



TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Smart Phone

MODEL NAME : G40

BRAND NAME : BLU

FCC ID : YHLBLUG40

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

RECEIPT DATE : 2022-03-31

TEST DATE : 2022-04-06 to 2022-05-17

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Edited by: Zeng Xiaoying
Zeng Xiaoying (Rapporteur)

Approved by: Shen Junsheng
Shen Junsheng (Supervisor)

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Change History		
Version	Date	Reason for change
1.0	2022-05-18	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.:	4#	
Hardware Version:	A507-MB-V7.0	
Software Version:	BLU_G0730WW_V11.0.02.00_GENERIC 03-03-2022 13:45	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 7 / 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 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 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz



Antenna Type:	Fixed Internal Antenna	
Antenna Gain:	LTE Band 2	-0.45dBi
	LTE Band 4	-0.53dBi
	LTE Band 5	-0.64dBi
	LTE Band 7	-1.22dBi
	LTE Band 66	-0.53dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C876050300L
	Serial No.:	N/A
	Capacity:	3000mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	Shenzhen Aerospace Electronic Co., Ltd.
	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-WW-1006
	Serial No.:	N/A
	Rated Output:	5V=1000mA
	Rated Input:	100-240V~50/60Hz, 0.2A
	Manufacturer:	Dongguan Jieyuan Electronic Technology 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	0.195	0.171	0.168	18M0G7D	18M0W7D	18M0W7D	
15	0.192	0.163	0.167	13M5G7D	13M5W7D	13M5W7D	
10	0.193	0.173	0.159	9M02G7D	8M99W7D	9M03W7D	
5	0.192	0.173	0.169	4M50G7D	4M51W7D	4M51W7D	
3	0.193	0.176	0.169	2M72G7D	2M72W7D	2M71W7D	
1.4	0.191	0.156	0.161	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	0.201	0.164	0.163	18M0G7D	18M0W7D	18M0W7D	
15	0.199	0.157	0.162	13M5G7D	13M5W7D	13M5W7D	
10	0.196	0.158	0.164	9M01G7D	8M98W7D	9M02W7D	
5	0.195	0.158	0.162	4M50G7D	4M51W7D	4M50W7D	
3	0.199	0.162	0.154	2M71G7D	2M71W7D	2M71W7D	
1.4	0.195	0.162	0.155	1M09G7D	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	0.172	0.141	0.137	9M03G7D	8M99W7D	9M03W7D	
5	0.170	0.140	0.135	4M51G7D	4M51W7D	4M51W7D	
3	0.170	0.145	0.142	2M72G7D	2M72W7D	2M72W7D	
1.4	0.171	0.147	0.140	1M10G7D	1M10W7D	1M11W7D	
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	0.020	0.017	0.017	18M0G7D	18M0W7D	18M0W7D	
15	0.020	0.018	0.017	13M5G7D	13M5W7D	13M5W7D	
10	0.019	0.017	0.017	9M03G7D	8M98W7D	9M04W7D	
5	0.019	0.017	0.017	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	0.188	0.151	0.159	18M0G7D	18M0W7D	18M0W7D	
15	0.185	0.151	0.156	13M5G7D	13M5W7D	13M5W7D	
10	0.186	0.158	0.153	9M03G7D	8M99W7D	9M02W7D	
5	0.183	0.160	0.149	4M50G7D	4M50W7D	4M51W7D	
3	0.181	0.159	0.157	2M72G7D	2M71W7D	2M71W7D	
1.4	0.183	0.160	0.149	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(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	May. 11&17, 2022	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Apr. 11&12, 2022	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Apr. 14, 2022	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Apr. 11&12, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Apr. 11&13, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(h) 27.53(m)(4)	Band Edge	Apr. 11, 2022	Li Huaijie	PASS	No deviation
2.1053	Radiated	Apr. 11&12, 2022	Su Zhan	PASS	No deviation



22.917(a) 24.238(a) 27.53(h) 27.53(m)(4)	Spurious Emissions				
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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 27L&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).

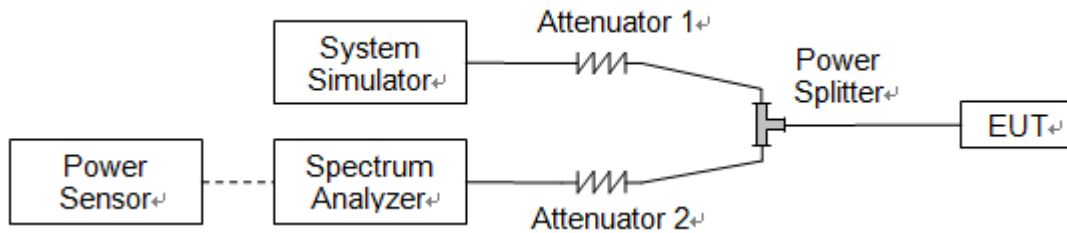
According to FCC section 24.232 (c) for LTE Band 2, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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.

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	23.31	23.34	23.28
20	QPSK	1	49	23.29	23.23	23.16
20	QPSK	1	99	23.23	23.19	23.17
20	QPSK	50	0	22.39	22.48	22.41
20	QPSK	50	24	22.40	22.45	22.45
20	QPSK	50	50	22.45	22.41	22.47
20	QPSK	100	0	22.38	22.47	22.43
20	16QAM	1	0	22.44	22.44	22.46
20	16QAM	1	49	22.28	22.58	22.54
20	16QAM	1	99	22.53	22.38	22.78
20	16QAM	50	0	22.46	22.43	22.41
20	16QAM	50	24	22.42	22.47	22.48
20	16QAM	50	50	22.50	22.47	22.54
20	16QAM	100	0	22.53	22.54	22.41
20	64QAM	1	0	22.48	22.67	22.41
20	64QAM	1	49	22.43	22.61	22.52
20	64QAM	1	99	22.38	22.71	22.71
20	64QAM	50	0	22.48	22.40	22.45
20	64QAM	50	24	22.51	22.45	22.50
20	64QAM	50	50	22.50	22.51	22.45
20	64QAM	100	0	22.38	22.35	22.36



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.12	23.15	23.06
15	QPSK	1	37	22.91	23.27	23.15
15	QPSK	1	74	23.28	23.20	23.28
15	QPSK	36	0	22.25	22.34	22.33
15	QPSK	36	20	22.24	22.43	22.40
15	QPSK	36	39	22.36	22.37	22.34
15	QPSK	75	0	22.28	22.34	22.30
15	16QAM	1	0	22.37	22.45	22.39
15	16QAM	1	37	22.50	22.53	22.39
15	16QAM	1	74	22.45	22.57	22.57
15	16QAM	36	0	22.24	22.29	22.32
15	16QAM	36	20	22.33	22.26	22.39
15	16QAM	36	39	22.38	22.47	22.44
15	16QAM	75	0	22.25	22.27	22.36
15	64QAM	1	0	22.45	22.21	22.27
15	64QAM	1	37	22.44	22.25	22.67
15	64QAM	1	74	22.33	22.37	22.52
15	64QAM	36	0	22.18	22.35	22.23
15	64QAM	36	20	22.38	22.40	22.30
15	64QAM	36	39	22.26	22.31	22.40
15	64QAM	75	0	22.25	22.32	22.31



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.09	23.08	23.18
10	QPSK	1	25	23.20	23.30	23.18
10	QPSK	1	49	23.09	23.17	23.09
10	QPSK	25	0	22.36	22.37	22.33
10	QPSK	25	12	22.32	22.44	22.37
10	QPSK	25	25	22.23	22.36	22.32
10	QPSK	50	0	22.29	22.38	22.36
10	16QAM	1	0	22.77	22.70	22.69
10	16QAM	1	25	22.46	22.42	22.49
10	16QAM	1	49	22.41	22.49	22.28
10	16QAM	25	0	22.31	22.30	22.27
10	16QAM	25	12	22.47	22.27	22.27
10	16QAM	25	25	22.27	22.47	22.57
10	16QAM	50	0	22.84	22.77	22.81
10	64QAM	1	0	22.35	22.40	22.40
10	64QAM	1	25	22.38	22.43	22.47
10	64QAM	1	49	22.05	22.18	22.15
10	64QAM	25	0	22.35	22.39	22.40
10	64QAM	25	12	22.38	22.36	22.37
10	64QAM	25	25	22.31	22.09	22.31
10	64QAM	50	0	22.32	22.32	22.29



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	23.23	23.28	23.22
5	QPSK	1	12	23.22	23.17	23.20
5	QPSK	1	24	23.18	23.26	23.27
5	QPSK	12	0	22.35	22.26	22.33
5	QPSK	12	7	22.36	22.41	22.33
5	QPSK	12	13	22.35	22.34	22.37
5	QPSK	25	0	22.34	22.32	22.34
5	16QAM	1	0	22.47	22.37	22.75
5	16QAM	1	12	22.45	22.38	22.75
5	16QAM	1	24	22.48	22.35	22.74
5	16QAM	12	0	22.57	22.71	22.57
5	16QAM	12	7	22.47	22.47	22.27
5	16QAM	12	13	22.27	22.60	22.37
5	16QAM	25	0	22.37	22.83	22.81
5	64QAM	1	0	22.57	22.29	22.34
5	64QAM	1	12	22.73	22.39	22.50
5	64QAM	1	24	22.74	22.38	22.40
5	64QAM	12	0	22.39	22.32	22.31
5	64QAM	12	7	22.45	22.29	22.29
5	64QAM	12	13	22.42	22.38	22.36
5	64QAM	25	0	22.49	22.29	22.36



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.17	23.24	23.16
3	QPSK	1	8	23.27	23.30	23.13
3	QPSK	1	14	23.28	23.15	23.15
3	QPSK	8	0	22.23	22.18	22.20
3	QPSK	8	4	22.29	22.23	22.24
3	QPSK	8	7	22.29	22.23	22.19
3	QPSK	15	0	22.21	22.29	22.22
3	16QAM	1	0	22.37	22.28	22.22
3	16QAM	1	8	22.41	22.35	22.31
3	16QAM	1	14	22.34	22.31	22.19
3	16QAM	8	0	22.77	22.90	22.82
3	16QAM	8	4	22.84	22.81	22.87
3	16QAM	8	7	22.74	22.79	22.82
3	16QAM	15	0	22.77	22.81	22.76
3	64QAM	1	0	22.30	22.23	22.26
3	64QAM	1	8	22.72	22.71	22.31
3	64QAM	1	14	22.33	22.69	22.33
3	64QAM	8	0	22.25	22.27	22.11
3	64QAM	8	4	22.35	22.25	22.25
3	64QAM	8	7	22.45	22.34	22.20
3	64QAM	15	0	22.30	22.30	22.28



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.23	23.26	23.21
1.4	QPSK	1	3	23.13	23.11	23.10
1.4	QPSK	1	5	23.10	23.08	23.06
1.4	QPSK	3	0	23.10	23.10	23.06
1.4	QPSK	3	1	23.14	23.11	23.09
1.4	QPSK	3	3	23.16	23.20	23.09
1.4	QPSK	6	0	22.19	22.17	22.16
1.4	16QAM	1	0	22.22	22.22	22.16
1.4	16QAM	1	3	22.18	22.38	22.36
1.4	16QAM	1	5	22.06	22.26	21.94
1.4	16QAM	3	0	22.08	22.13	22.10
1.4	16QAM	3	1	22.26	22.08	22.13
1.4	16QAM	3	3	22.28	22.25	21.99
1.4	16QAM	6	0	22.29	22.22	22.17
1.4	64QAM	1	0	22.17	22.09	22.12
1.4	64QAM	1	3	22.19	22.40	22.28
1.4	64QAM	1	5	22.17	22.52	22.11
1.4	64QAM	3	0	22.20	22.26	22.27
1.4	64QAM	3	1	22.29	22.26	22.47
1.4	64QAM	3	3	22.21	22.35	22.12
1.4	64QAM	6	0	22.26	22.29	22.18



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	23.48	23.56	23.55
20	QPSK	1	49	23.34	23.42	23.41
20	QPSK	1	99	23.26	23.39	23.51
20	QPSK	50	0	22.55	22.68	22.65
20	QPSK	50	24	22.55	22.63	22.63
20	QPSK	50	50	22.44	22.55	22.56
20	QPSK	100	0	22.54	22.58	22.65
20	16QAM	1	0	22.19	22.49	22.36
20	16QAM	1	49	22.34	22.11	22.25
20	16QAM	1	99	22.13	22.35	22.19
20	16QAM	50	0	22.32	22.25	22.39
20	16QAM	50	24	22.58	22.69	22.58
20	16QAM	50	50	22.54	22.55	22.55
20	16QAM	100	0	22.56	22.64	22.65
20	64QAM	1	0	22.30	22.41	22.63
20	64QAM	1	49	22.34	22.27	22.15
20	64QAM	1	99	22.61	22.18	22.65
20	64QAM	50	0	22.31	22.40	22.35
20	64QAM	50	24	22.33	22.44	22.38
20	64QAM	50	50	22.37	22.32	22.34
20	64QAM	100	0	22.40	22.38	22.47



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	23.35	23.39	23.49
15	QPSK	1	37	23.39	23.48	23.40
15	QPSK	1	74	23.26	23.48	23.51
15	QPSK	36	0	22.49	22.56	22.59
15	QPSK	36	20	22.53	22.66	22.62
15	QPSK	36	39	22.58	22.57	22.66
15	QPSK	75	0	22.53	22.55	22.56
15	16QAM	1	0	22.25	22.47	22.19
15	16QAM	1	37	22.33	22.33	22.17
15	16QAM	1	74	22.19	22.49	22.28
15	16QAM	36	0	22.20	22.22	22.41
15	16QAM	36	20	22.15	22.22	22.28
15	16QAM	36	39	22.11	22.20	22.26
15	16QAM	75	0	22.22	22.23	22.32
15	64QAM	1	0	22.17	22.48	22.53
15	64QAM	1	37	22.59	22.35	22.41
15	64QAM	1	74	22.63	22.34	22.38
15	64QAM	36	0	22.28	22.35	22.39
15	64QAM	36	20	22.34	22.36	22.38
15	64QAM	36	39	22.37	22.33	22.35
15	64QAM	75	0	22.30	22.41	22.34



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	23.27	23.46	23.29
10	QPSK	1	25	23.25	23.38	23.39
10	QPSK	1	49	23.33	23.16	23.39
10	QPSK	25	0	22.32	22.54	22.56
10	QPSK	25	12	22.44	22.50	22.54
10	QPSK	25	25	22.33	22.44	22.51
10	QPSK	50	0	22.39	22.49	22.41
10	16QAM	1	0	22.16	22.31	22.07
10	16QAM	1	25	22.43	22.17	22.49
10	16QAM	1	49	22.50	22.40	22.39
10	16QAM	25	0	22.16	22.15	22.14
10	16QAM	25	12	22.08	22.18	22.15
10	16QAM	25	25	22.42	22.33	22.42
10	16QAM	50	0	22.36	22.40	22.52
10	64QAM	1	0	22.22	22.30	22.20
10	64QAM	1	25	22.29	22.58	22.67
10	64QAM	1	49	22.27	22.31	22.26
10	64QAM	25	0	22.11	22.25	22.24
10	64QAM	25	12	22.20	22.31	22.35
10	64QAM	25	25	22.08	22.20	22.22
10	64QAM	50	0	22.14	22.21	22.20



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.17	23.39	23.44
5	QPSK	1	12	23.23	23.38	23.35
5	QPSK	1	24	23.18	23.30	23.29
5	QPSK	12	0	22.40	22.40	22.44
5	QPSK	12	7	22.40	22.51	22.48
5	QPSK	12	13	22.35	22.52	22.44
5	QPSK	25	0	22.38	22.42	22.48
5	16QAM	1	0	22.06	22.47	22.15
5	16QAM	1	12	22.17	22.52	22.11
5	16QAM	1	24	22.11	22.46	22.06
5	16QAM	12	0	22.10	22.04	22.07
5	16QAM	12	7	22.13	22.17	22.15
5	16QAM	12	13	22.40	22.47	22.51
5	16QAM	25	0	22.41	22.52	22.45
5	64QAM	1	0	22.18	22.62	22.60
5	64QAM	1	12	22.56	22.32	22.59
5	64QAM	1	24	22.52	22.22	22.29
5	64QAM	12	0	22.19	22.26	22.28
5	64QAM	12	7	22.18	22.27	22.33
5	64QAM	12	13	22.19	22.25	22.24
5	64QAM	25	0	22.14	22.28	22.19



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	23.29	23.30	23.42
3	QPSK	1	8	23.38	23.52	23.46
3	QPSK	1	14	23.18	23.37	23.37
3	QPSK	8	0	22.38	22.44	22.45
3	QPSK	8	4	22.44	22.52	22.54
3	QPSK	8	7	22.40	22.50	22.50
3	QPSK	15	0	22.40	22.46	22.40
3	16QAM	1	0	22.26	22.35	22.39
3	16QAM	1	8	22.48	22.48	22.22
3	16QAM	1	14	22.39	22.17	22.25
3	16QAM	8	0	22.18	22.19	22.28
3	16QAM	8	4	22.28	22.28	22.29
3	16QAM	8	7	22.50	22.58	22.62
3	16QAM	15	0	22.50	22.48	22.55
3	64QAM	1	0	22.17	22.26	22.24
3	64QAM	1	8	22.36	22.24	22.40
3	64QAM	1	14	22.17	22.24	22.07
3	64QAM	8	0	22.15	22.19	22.13
3	64QAM	8	4	22.27	22.25	22.29
3	64QAM	8	7	22.21	22.28	22.40
3	64QAM	15	0	22.17	22.25	22.16



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	23.04	23.25	23.26
1.4	QPSK	1	3	23.38	23.38	23.42
1.4	QPSK	1	5	23.24	23.33	23.35
1.4	QPSK	3	0	23.32	23.29	23.28
1.4	QPSK	3	1	23.28	23.38	23.43
1.4	QPSK	3	3	23.27	23.34	23.33
1.4	QPSK	6	0	22.43	22.45	22.41
1.4	16QAM	1	0	22.15	22.62	22.28
1.4	16QAM	1	3	22.28	22.36	22.40
1.4	16QAM	1	5	22.34	22.50	22.30
1.4	16QAM	3	0	22.37	22.41	22.32
1.4	16QAM	3	1	22.38	22.41	22.43
1.4	16QAM	3	3	22.37	22.49	22.38
1.4	16QAM	6	0	22.28	22.29	22.20
1.4	64QAM	1	0	22.06	22.00	22.14
1.4	64QAM	1	3	22.32	22.30	22.42
1.4	64QAM	1	5	22.23	22.19	22.03
1.4	64QAM	3	0	22.14	22.12	22.31
1.4	64QAM	3	1	22.05	22.20	22.17
1.4	64QAM	3	3	22.11	22.28	22.16
1.4	64QAM	6	0	22.10	22.11	22.18



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	25.14	25.15	25.07
10	QPSK	1	25	25.00	25.03	24.83
10	QPSK	1	49	24.92	25.04	24.72
10	QPSK	25	0	24.24	24.26	24.07
10	QPSK	25	12	24.00	24.02	24.07
10	QPSK	25	25	24.00	24.11	24.16
10	QPSK	50	0	24.06	23.94	24.08
10	16QAM	1	0	24.10	24.29	24.00
10	16QAM	1	25	24.12	24.15	23.83
10	16QAM	1	49	23.95	24.01	24.08
10	16QAM	25	0	24.04	24.05	23.87
10	16QAM	25	12	23.98	24.06	23.84
10	16QAM	25	25	24.01	23.94	23.97
10	16QAM	50	0	24.02	23.93	23.83
10	64QAM	1	0	23.98	24.08	23.96
10	64QAM	1	25	23.95	24.15	23.95
10	64QAM	1	49	23.84	24.06	23.97
10	64QAM	25	0	23.95	24.06	23.73
10	64QAM	25	12	23.94	24.11	23.82
10	64QAM	25	25	24.06	23.95	23.65
10	64QAM	50	0	24.02	23.98	23.84



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	25.09	25.05	25.03
5	QPSK	1	12	24.99	25.10	24.94
5	QPSK	1	24	24.99	24.94	24.94
5	QPSK	12	0	23.94	23.99	23.85
5	QPSK	12	7	24.01	24.02	23.94
5	QPSK	12	13	24.06	23.90	23.85
5	QPSK	25	0	23.97	23.93	23.85
5	16QAM	1	0	24.26	24.19	23.95
5	16QAM	1	12	23.96	24.18	23.94
5	16QAM	1	24	23.83	24.18	24.01
5	16QAM	12	0	23.92	24.01	24.00
5	16QAM	12	7	23.99	24.02	23.84
5	16QAM	12	13	23.99	23.90	23.95
5	16QAM	25	0	24.00	24.05	24.00
5	64QAM	1	0	24.07	23.95	24.06
5	64QAM	1	12	23.95	23.89	24.03
5	64QAM	1	24	24.09	23.93	23.87
5	64QAM	12	0	23.81	23.95	23.75
5	64QAM	12	7	23.85	24.01	23.79
5	64QAM	12	13	24.03	23.98	23.55
5	64QAM	25	0	23.91	23.98	23.59



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	24.78	25.09	24.94
3	QPSK	1	8	25.04	25.05	24.96
3	QPSK	1	14	25.05	25.03	24.77
3	QPSK	8	0	24.08	24.21	24.19
3	QPSK	8	4	24.22	24.28	24.25
3	QPSK	8	7	24.17	24.19	24.06
3	QPSK	15	0	24.15	24.21	24.20
3	16QAM	1	0	24.17	24.28	24.35
3	16QAM	1	8	24.10	24.36	24.20
3	16QAM	1	14	24.15	24.41	24.16
3	16QAM	8	0	24.11	24.20	23.94
3	16QAM	8	4	24.27	24.38	23.95
3	16QAM	8	7	24.19	24.25	23.99
3	16QAM	15	0	24.13	24.15	23.70
3	64QAM	1	0	24.08	23.96	24.17
3	64QAM	1	8	23.96	24.20	23.96
3	64QAM	1	14	23.98	24.16	23.97
3	64QAM	8	0	24.08	24.18	24.16
3	64QAM	8	4	24.30	24.14	24.08
3	64QAM	8	7	24.25	24.17	24.14
3	64QAM	15	0	24.14	24.24	24.04



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	24.99	25.06	25.10
1.4	QPSK	1	3	25.12	25.05	25.12
1.4	QPSK	1	5	25.01	24.95	24.96
1.4	QPSK	3	0	25.02	25.08	25.04
1.4	QPSK	3	1	25.08	24.95	25.05
1.4	QPSK	3	3	25.09	25.01	25.01
1.4	QPSK	6	0	24.13	24.12	24.11
1.4	16QAM	1	0	24.26	24.07	24.24
1.4	16QAM	1	3	24.06	24.30	24.19
1.4	16QAM	1	5	24.45	24.13	24.19
1.4	16QAM	3	0	23.98	23.96	24.10
1.4	16QAM	3	1	24.01	24.28	24.14
1.4	16QAM	3	3	24.09	24.20	24.08
1.4	16QAM	6	0	24.28	24.15	24.19
1.4	64QAM	1	0	23.81	23.98	24.00
1.4	64QAM	1	3	24.12	24.13	24.08
1.4	64QAM	1	5	24.07	24.06	23.94
1.4	64QAM	3	0	23.73	24.00	24.01
1.4	64QAM	3	1	24.01	23.95	23.96
1.4	64QAM	3	3	23.91	24.08	24.12
1.4	64QAM	6	0	24.12	24.24	24.13



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	14.23	14.24	14.16
20	QPSK	1	49	14.18	14.22	14.11
20	QPSK	1	99	14.13	14.08	14.13
20	QPSK	50	0	13.41	13.48	13.45
20	QPSK	50	24	13.17	13.14	13.04
20	QPSK	50	50	13.27	13.30	13.27
20	QPSK	100	0	13.22	13.24	13.21
20	16QAM	1	0	13.15	13.25	13.43
20	16QAM	1	49	13.30	13.16	13.44
20	16QAM	1	99	13.24	13.55	13.20
20	16QAM	50	0	13.09	13.19	13.12
20	16QAM	50	24	13.14	13.06	13.17
20	16QAM	50	50	13.22	13.27	13.10
20	16QAM	100	0	12.98	13.10	13.08
20	64QAM	1	0	13.46	13.30	13.03
20	64QAM	1	49	13.40	13.37	13.42
20	64QAM	1	99	13.38	13.43	13.34
20	64QAM	50	0	13.12	13.13	13.18
20	64QAM	50	24	13.17	13.18	13.18
20	64QAM	50	50	13.21	13.28	13.13
20	64QAM	100	0	13.14	13.11	13.23



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	14.06	14.15	14.15
15	QPSK	1	37	14.16	14.13	14.17
15	QPSK	1	74	14.10	14.17	14.17
15	QPSK	36	0	13.20	13.29	13.31
15	QPSK	36	20	13.28	13.35	13.30
15	QPSK	36	39	13.31	13.34	13.38
15	QPSK	75	0	13.37	13.30	13.32
15	16QAM	1	0	13.53	13.64	13.71
15	16QAM	1	37	13.35	13.46	13.44
15	16QAM	1	74	13.39	13.39	13.61
15	16QAM	36	0	13.10	13.21	13.23
15	16QAM	36	20	13.17	13.20	13.19
15	16QAM	36	39	13.23	13.21	13.10
15	16QAM	75	0	13.06	13.14	13.06
15	64QAM	1	0	13.36	13.33	13.21
15	64QAM	1	37	13.26	13.41	13.50
15	64QAM	1	74	13.25	13.37	13.43
15	64QAM	36	0	13.10	13.18	13.17
15	64QAM	36	20	13.21	13.20	13.27
15	64QAM	36	39	13.25	13.16	13.18
15	64QAM	75	0	13.10	13.20	13.15



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	14.05	13.92	13.95
10	QPSK	1	25	14.08	13.98	14.00
10	QPSK	1	49	14.01	13.98	14.00
10	QPSK	25	0	13.12	13.12	13.11
10	QPSK	25	12	13.08	13.20	13.25
10	QPSK	25	25	13.01	13.19	13.19
10	QPSK	50	0	13.10	13.22	13.21
10	16QAM	1	0	13.15	13.33	13.18
10	16QAM	1	25	13.14	13.16	13.21
10	16QAM	1	49	13.61	13.51	13.42
10	16QAM	25	0	13.16	13.04	13.12
10	16QAM	25	12	12.98	13.15	13.08
10	16QAM	25	25	13.03	13.06	12.98
10	16QAM	50	0	13.06	13.15	13.00
10	64QAM	1	0	13.48	13.44	13.42
10	64QAM	1	25	13.17	13.42	13.25
10	64QAM	1	49	13.28	13.52	13.33
10	64QAM	25	0	13.14	13.12	13.16
10	64QAM	25	12	13.16	13.27	13.20
10	64QAM	25	25	13.09	12.99	12.98
10	64QAM	50	0	13.03	13.09	13.01



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	14.09	14.00	13.90
5	QPSK	1	12	13.96	13.89	13.97
5	QPSK	1	24	13.90	13.96	14.00
5	QPSK	12	0	13.04	13.12	13.04
5	QPSK	12	7	13.11	13.26	13.18
5	QPSK	12	13	13.13	13.29	13.14
5	QPSK	25	0	13.14	13.15	13.10
5	16QAM	1	0	13.12	13.10	13.16
5	16QAM	1	12	13.17	13.39	13.29
5	16QAM	1	24	13.23	13.42	13.24
5	16QAM	12	0	13.14	13.20	13.11
5	16QAM	12	7	13.15	13.17	13.13
5	16QAM	12	13	13.15	13.21	13.34
5	16QAM	25	0	13.12	13.17	13.19
5	64QAM	1	0	13.24	13.29	13.25
5	64QAM	1	12	13.29	13.41	13.29
5	64QAM	1	24	13.33	13.43	13.39
5	64QAM	12	0	13.16	13.13	13.18
5	64QAM	12	7	13.25	13.30	13.09
5	64QAM	12	13	13.20	13.29	13.15
5	64QAM	25	0	13.15	13.14	13.19



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	23.12	23.28	23.17
20	QPSK	1	49	22.98	23.11	23.14
20	QPSK	1	99	23.08	23.09	23.08
20	QPSK	50	0	22.37	22.47	22.38
20	QPSK	50	24	22.34	22.28	22.07
20	QPSK	50	50	22.39	22.45	22.38
20	QPSK	100	0	22.40	22.42	22.33
20	16QAM	1	0	22.33	21.88	22.01
20	16QAM	1	49	22.08	22.03	22.17
20	16QAM	1	99	22.17	22.22	22.11
20	16QAM	50	0	22.06	22.08	22.02
20	16QAM	50	24	22.10	22.14	22.03
20	16QAM	50	50	22.15	22.16	22.10
20	16QAM	100	0	22.05	22.13	22.18
20	64QAM	1	0	22.04	22.16	22.50
20	64QAM	1	49	22.48	22.54	22.13
20	64QAM	1	99	22.50	22.18	22.11
20	64QAM	50	0	22.01	21.95	21.92
20	64QAM	50	24	22.06	22.09	22.01
20	64QAM	50	50	22.11	22.08	22.08
20	64QAM	100	0	22.03	21.96	22.07



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	22.87	23.20	22.98
15	QPSK	1	37	23.03	23.19	23.03
15	QPSK	1	74	22.99	23.18	23.04
15	QPSK	36	0	22.10	22.17	22.16
15	QPSK	36	20	22.21	22.23	22.20
15	QPSK	36	39	22.16	22.19	22.16
15	QPSK	75	0	22.12	22.24	22.20
15	16QAM	1	0	22.13	22.15	22.17
15	16QAM	1	37	22.30	22.25	22.26
15	16QAM	1	74	22.26	22.24	22.20
15	16QAM	36	0	22.00	21.97	22.00
15	16QAM	36	20	22.28	22.33	22.17
15	16QAM	36	39	22.23	22.20	22.25
15	16QAM	75	0	22.24	22.20	22.22
15	64QAM	1	0	22.02	22.03	22.08
15	64QAM	1	37	22.47	22.17	22.10
15	64QAM	1	74	22.45	22.14	22.19
15	64QAM	36	0	21.99	22.01	21.96
15	64QAM	36	20	22.09	21.97	22.03
15	64QAM	36	39	21.96	22.06	22.11
15	64QAM	75	0	22.11	22.07	22.04



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	22.95	23.22	22.89
10	QPSK	1	25	23.13	23.12	23.02
10	QPSK	1	49	23.07	23.18	23.13
10	QPSK	25	0	22.18	22.16	22.16
10	QPSK	25	12	22.21	22.24	22.25
10	QPSK	25	25	22.16	22.24	22.18
10	QPSK	50	0	22.15	22.23	22.09
10	16QAM	1	0	22.16	22.52	22.11
10	16QAM	1	25	22.36	22.34	22.29
10	16QAM	1	49	22.19	22.24	22.10
10	16QAM	25	0	22.16	22.05	22.08
10	16QAM	25	12	22.21	22.18	22.29
10	16QAM	25	25	22.19	22.22	22.28
10	16QAM	50	0	22.17	22.10	22.09
10	64QAM	1	0	22.03	22.37	22.36
10	64QAM	1	25	22.32	22.22	22.23
10	64QAM	1	49	22.25	22.10	22.21
10	64QAM	25	0	21.92	22.00	21.91
10	64QAM	25	12	22.01	22.05	22.04
10	64QAM	25	25	22.00	21.92	22.07
10	64QAM	50	0	21.99	22.01	21.93



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	22.98	23.15	22.95
5	QPSK	1	12	23.09	23.08	23.10
5	QPSK	1	24	22.98	23.03	22.99
5	QPSK	12	0	22.93	23.06	23.04
5	QPSK	12	7	23.14	23.14	22.81
5	QPSK	12	13	23.09	23.11	23.07
5	QPSK	25	0	22.15	22.12	22.10
5	16QAM	1	0	22.33	22.27	22.12
5	16QAM	1	12	22.14	22.57	22.24
5	16QAM	1	24	22.26	22.27	22.26
5	16QAM	12	0	22.10	22.13	22.14
5	16QAM	12	7	22.26	22.34	22.18
5	16QAM	12	13	22.09	22.23	22.23
5	16QAM	25	0	22.02	22.22	22.12
5	64QAM	1	0	21.87	22.02	21.86
5	64QAM	1	12	21.99	21.92	21.97
5	64QAM	1	24	22.15	22.18	22.14
5	64QAM	12	0	22.05	22.06	21.89
5	64QAM	12	7	22.03	22.27	22.12
5	64QAM	12	13	22.05	21.89	22.05
5	64QAM	25	0	22.01	22.02	21.89



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	23.10	23.06	23.02
3	QPSK	1	8	23.09	23.05	23.04
3	QPSK	1	14	23.01	23.07	23.06
3	QPSK	8	0	22.17	22.35	22.24
3	QPSK	8	4	22.29	22.38	21.94
3	QPSK	8	7	22.08	21.96	22.02
3	QPSK	15	0	22.08	21.88	22.01
3	16QAM	1	0	22.33	22.38	22.10
3	16QAM	1	8	22.50	22.06	22.43
3	16QAM	1	14	22.34	22.39	22.55
3	16QAM	8	0	22.22	22.25	22.46
3	16QAM	8	4	22.22	22.29	22.41
3	16QAM	8	7	22.13	22.38	22.41
3	16QAM	15	0	22.23	22.35	22.39
3	64QAM	1	0	22.03	22.04	22.04
3	64QAM	1	8	22.07	22.04	22.12
3	64QAM	1	14	22.12	22.12	22.04
3	64QAM	8	0	22.18	22.23	22.47
3	64QAM	8	4	22.31	22.39	22.33
3	64QAM	8	7	22.16	22.34	22.36
3	64QAM	15	0	22.13	22.32	22.48



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	22.98	23.15	22.95
1.4	QPSK	1	3	23.09	23.08	23.10
1.4	QPSK	1	5	22.98	23.03	22.99
1.4	QPSK	3	0	22.93	23.06	23.04
1.4	QPSK	3	1	23.14	23.14	22.81
1.4	QPSK	3	3	23.09	23.11	23.07
1.4	QPSK	6	0	22.15	22.12	22.10
1.4	16QAM	1	0	22.33	22.27	22.12
1.4	16QAM	1	3	22.14	22.57	22.24
1.4	16QAM	1	5	22.26	22.27	22.26
1.4	16QAM	3	0	22.10	22.13	22.14
1.4	16QAM	3	1	22.26	22.34	22.18
1.4	16QAM	3	3	22.09	22.23	22.23
1.4	16QAM	6	0	22.02	22.22	22.12
1.4	64QAM	1	0	21.87	22.02	21.86
1.4	64QAM	1	3	21.99	21.92	21.97
1.4	64QAM	1	5	22.15	22.18	22.14
1.4	64QAM	3	0	22.05	22.06	21.89
1.4	64QAM	3	1	22.03	22.27	22.12
1.4	64QAM	3	3	22.05	21.89	22.05
1.4	64QAM	6	0	22.01	22.02	21.89



Effective Radiated Power and Effective Isotropic Radiated Power

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.86	0.193	22.89	0.195	22.83	0.192
20	QPSK	1	49	22.84	0.192	22.78	0.190	22.71	0.187
20	QPSK	1	99	22.78	0.190	22.74	0.188	22.72	0.187
20	QPSK	50	0	21.94	0.156	22.03	0.160	21.96	0.157
20	QPSK	50	24	21.95	0.157	22.00	0.158	22.00	0.158
20	QPSK	50	50	22.00	0.158	21.96	0.157	22.02	0.159
20	QPSK	100	0	21.93	0.156	22.02	0.159	21.98	0.158
20	16QAM	1	0	21.99	0.158	21.99	0.158	22.01	0.159
20	16QAM	1	49	21.83	0.152	22.13	0.163	22.09	0.162
20	16QAM	1	99	22.08	0.161	21.93	0.156	22.33	0.171
20	16QAM	50	0	22.01	0.159	21.98	0.158	21.96	0.157
20	16QAM	50	24	21.97	0.157	22.02	0.159	22.03	0.160
20	16QAM	50	50	22.05	0.160	22.02	0.159	22.09	0.162
20	16QAM	100	0	22.08	0.161	22.09	0.162	21.96	0.157
20	64QAM	1	0	22.03	0.160	22.22	0.167	21.96	0.157
20	64QAM	1	49	21.98	0.158	22.16	0.164	22.07	0.161
20	64QAM	1	99	21.93	0.156	22.26	0.168	22.26	0.168
20	64QAM	50	0	22.03	0.160	21.95	0.157	22.00	0.158
20	64QAM	50	24	22.06	0.161	22.00	0.158	22.05	0.160
20	64QAM	50	50	22.05	0.160	22.06	0.161	22.00	0.158
20	64QAM	100	0	21.93	0.156	21.90	0.155	21.91	0.155



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.67	0.185	22.70	0.186	22.61	0.182
15	QPSK	1	37	22.46	0.176	22.82	0.191	22.70	0.186
15	QPSK	1	74	22.83	0.192	22.75	0.188	22.83	0.192
15	QPSK	36	0	21.80	0.151	21.89	0.155	21.88	0.154
15	QPSK	36	20	21.79	0.151	21.98	0.158	21.95	0.157
15	QPSK	36	39	21.91	0.155	21.92	0.156	21.89	0.155
15	QPSK	75	0	21.83	0.152	21.89	0.155	21.85	0.153
15	16QAM	1	0	21.92	0.156	22.00	0.158	21.94	0.156
15	16QAM	1	37	22.05	0.160	22.08	0.161	21.94	0.156
15	16QAM	1	74	22.00	0.158	22.12	0.163	22.12	0.163
15	16QAM	36	0	21.79	0.151	21.84	0.153	21.87	0.154
15	16QAM	36	20	21.88	0.154	21.81	0.152	21.94	0.156
15	16QAM	36	39	21.93	0.156	22.02	0.159	21.99	0.158
15	16QAM	75	0	21.80	0.151	21.82	0.152	21.91	0.155
15	64QAM	1	0	22.00	0.158	21.76	0.150	21.82	0.152
15	64QAM	1	37	21.99	0.158	21.80	0.151	22.22	0.167
15	64QAM	1	74	21.88	0.154	21.92	0.156	22.07	0.161
15	64QAM	36	0	21.73	0.149	21.90	0.155	21.78	0.151
15	64QAM	36	20	21.93	0.156	21.95	0.157	21.85	0.153
15	64QAM	36	39	21.81	0.152	21.86	0.153	21.95	0.157
15	64QAM	75	0	21.80	0.151	21.87	0.154	21.86	0.153



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.64	0.184	22.63	0.183	22.73	0.187
10	QPSK	1	25	22.75	0.188	22.85	0.193	22.73	0.187
10	QPSK	1	49	22.64	0.184	22.72	0.187	22.64	0.184
10	QPSK	25	0	21.91	0.155	21.92	0.156	21.88	0.154
10	QPSK	25	12	21.87	0.154	21.99	0.158	21.92	0.156
10	QPSK	25	25	21.78	0.151	21.91	0.155	21.87	0.154
10	QPSK	50	0	21.84	0.153	21.93	0.156	21.91	0.155
10	16QAM	1	0	22.32	0.171	22.25	0.168	22.24	0.167
10	16QAM	1	25	22.01	0.159	21.97	0.157	22.04	0.160
10	16QAM	1	49	21.96	0.157	22.04	0.160	21.83	0.152
10	16QAM	25	0	21.86	0.153	21.85	0.153	21.82	0.152
10	16QAM	25	12	22.02	0.159	21.82	0.152	21.82	0.152
10	16QAM	25	25	21.82	0.152	22.02	0.159	22.12	0.163
10	16QAM	50	0	22.39	0.173	22.32	0.171	22.36	0.172
10	64QAM	1	0	21.90	0.155	21.95	0.157	21.95	0.157
10	64QAM	1	25	21.93	0.156	21.98	0.158	22.02	0.159
10	64QAM	1	49	21.60	0.145	21.73	0.149	21.70	0.148
10	64QAM	25	0	21.90	0.155	21.94	0.156	21.95	0.157
10	64QAM	25	12	21.93	0.156	21.91	0.155	21.92	0.156
10	64QAM	25	25	21.86	0.153	21.64	0.146	21.86	0.153
10	64QAM	50	0	21.87	0.154	21.87	0.154	21.84	0.153



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.78	0.190	22.83	0.192	22.77	0.189
5	QPSK	1	12	22.77	0.189	22.72	0.187	22.75	0.188
5	QPSK	1	24	22.73	0.187	22.81	0.191	22.82	0.191
5	QPSK	12	0	21.90	0.155	21.81	0.152	21.88	0.154
5	QPSK	12	7	21.91	0.155	21.96	0.157	21.88	0.154
5	QPSK	12	13	21.90	0.155	21.89	0.155	21.92	0.156
5	QPSK	25	0	21.89	0.155	21.87	0.154	21.89	0.155
5	16QAM	1	0	22.02	0.159	21.92	0.156	22.30	0.170
5	16QAM	1	12	22.00	0.158	21.93	0.156	22.30	0.170
5	16QAM	1	24	22.03	0.160	21.90	0.155	22.29	0.169
5	16QAM	12	0	22.12	0.163	22.26	0.168	22.12	0.163
5	16QAM	12	7	22.02	0.159	22.02	0.159	21.82	0.152
5	16QAM	12	13	21.82	0.152	22.15	0.164	21.92	0.156
5	16QAM	25	0	21.92	0.156	22.38	0.173	22.36	0.172
5	64QAM	1	0	22.12	0.163	21.84	0.153	21.89	0.155
5	64QAM	1	12	22.28	0.169	21.94	0.156	22.05	0.160
5	64QAM	1	24	22.29	0.169	21.93	0.156	21.95	0.157
5	64QAM	12	0	21.94	0.156	21.87	0.154	21.86	0.153
5	64QAM	12	7	22.00	0.158	21.84	0.153	21.84	0.153
5	64QAM	12	13	21.97	0.157	21.93	0.156	21.91	0.155
5	64QAM	25	0	22.04	0.160	21.84	0.153	21.91	0.155



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.72	0.187	22.79	0.190	22.71	0.187
3	QPSK	1	8	22.82	0.191	22.85	0.193	22.68	0.185
3	QPSK	1	14	22.83	0.192	22.70	0.186	22.70	0.186
3	QPSK	8	0	21.78	0.151	21.73	0.149	21.75	0.150
3	QPSK	8	4	21.84	0.153	21.78	0.151	21.79	0.151
3	QPSK	8	7	21.84	0.153	21.78	0.151	21.74	0.149
3	QPSK	15	0	21.76	0.150	21.84	0.153	21.77	0.150
3	16QAM	1	0	21.92	0.156	21.83	0.152	21.77	0.150
3	16QAM	1	8	21.96	0.157	21.90	0.155	21.86	0.153
3	16QAM	1	14	21.89	0.155	21.86	0.153	21.74	0.149
3	16QAM	8	0	22.32	0.171	22.45	0.176	22.37	0.173
3	16QAM	8	4	22.39	0.173	22.36	0.172	22.42	0.175
3	16QAM	8	7	22.29	0.169	22.34	0.171	22.37	0.173
3	16QAM	15	0	22.32	0.171	22.36	0.172	22.31	0.170
3	64QAM	1	0	21.85	0.153	21.78	0.151	21.81	0.152
3	64QAM	1	8	22.27	0.169	22.26	0.168	21.86	0.153
3	64QAM	1	14	21.88	0.154	22.24	0.167	21.88	0.154
3	64QAM	8	0	21.80	0.151	21.82	0.152	21.66	0.147
3	64QAM	8	4	21.90	0.155	21.80	0.151	21.80	0.151
3	64QAM	8	7	22.00	0.158	21.89	0.155	21.75	0.150
3	64QAM	15	0	21.85	0.153	21.85	0.153	21.83	0.152



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.78	0.190	22.81	0.191	22.76	0.189
1.4	QPSK	1	3	22.68	0.185	22.66	0.185	22.65	0.184
1.4	QPSK	1	5	22.65	0.184	22.63	0.183	22.61	0.182
1.4	QPSK	3	0	22.65	0.184	22.65	0.184	22.61	0.182
1.4	QPSK	3	1	22.69	0.186	22.66	0.185	22.64	0.184
1.4	QPSK	3	3	22.71	0.187	22.75	0.188	22.64	0.184
1.4	QPSK	6	0	21.74	0.149	21.72	0.149	21.71	0.148
1.4	16QAM	1	0	21.77	0.150	21.77	0.150	21.71	0.148
1.4	16QAM	1	3	21.73	0.149	21.93	0.156	21.91	0.155
1.4	16QAM	1	5	21.61	0.145	21.81	0.152	21.49	0.141
1.4	16QAM	3	0	21.63	0.146	21.68	0.147	21.65	0.146
1.4	16QAM	3	1	21.81	0.152	21.63	0.146	21.68	0.147
1.4	16QAM	3	3	21.83	0.152	21.80	0.151	21.54	0.143
1.4	16QAM	6	0	21.84	0.153	21.77	0.150	21.72	0.149
1.4	64QAM	1	0	21.72	0.149	21.64	0.146	21.67	0.147
1.4	64QAM	1	3	21.74	0.149	21.95	0.157	21.83	0.152
1.4	64QAM	1	5	21.72	0.149	22.07	0.161	21.66	0.147
1.4	64QAM	3	0	21.75	0.150	21.81	0.152	21.82	0.152
1.4	64QAM	3	1	21.84	0.153	21.81	0.152	22.02	0.159
1.4	64QAM	3	3	21.76	0.150	21.90	0.155	21.67	0.147
1.4	64QAM	6	0	21.81	0.152	21.84	0.153	21.73	0.149



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.95	0.197	23.03	0.201	23.02	0.200
20	QPSK	1	49	22.81	0.191	22.89	0.195	22.88	0.194
20	QPSK	1	99	22.73	0.187	22.86	0.193	22.98	0.199
20	QPSK	50	0	22.02	0.159	22.15	0.164	22.12	0.163
20	QPSK	50	24	22.02	0.159	22.10	0.162	22.10	0.162
20	QPSK	50	50	21.91	0.155	22.02	0.159	22.03	0.160
20	QPSK	100	0	22.01	0.159	22.05	0.160	22.12	0.163
20	16QAM	1	0	21.66	0.147	21.96	0.157	21.83	0.152
20	16QAM	1	49	21.81	0.152	21.58	0.144	21.72	0.149
20	16QAM	1	99	21.60	0.145	21.82	0.152	21.66	0.147
20	16QAM	50	0	21.79	0.151	21.72	0.149	21.86	0.153
20	16QAM	50	24	22.05	0.160	22.16	0.164	22.05	0.160
20	16QAM	50	50	22.01	0.159	22.02	0.159	22.02	0.159
20	16QAM	100	0	22.03	0.160	22.11	0.163	22.12	0.163
20	64QAM	1	0	21.77	0.150	21.88	0.154	22.10	0.162
20	64QAM	1	49	21.81	0.152	21.74	0.149	21.62	0.145
20	64QAM	1	99	22.08	0.161	21.65	0.146	22.12	0.163
20	64QAM	50	0	21.78	0.151	21.87	0.154	21.82	0.152
20	64QAM	50	24	21.80	0.151	21.91	0.155	21.85	0.153
20	64QAM	50	50	21.84	0.153	21.79	0.151	21.81	0.152
20	64QAM	100	0	21.87	0.154	21.85	0.153	21.94	0.156



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.82	0.191	22.86	0.193	22.96	0.198
15	QPSK	1	37	22.86	0.193	22.95	0.197	22.87	0.194
15	QPSK	1	74	22.73	0.187	22.95	0.197	22.98	0.199
15	QPSK	36	0	21.96	0.157	22.03	0.160	22.06	0.161
15	QPSK	36	20	22.00	0.158	22.13	0.163	22.09	0.162
15	QPSK	36	39	22.05	0.160	22.04	0.160	22.13	0.163
15	QPSK	75	0	22.00	0.158	22.02	0.159	22.03	0.160
15	16QAM	1	0	21.72	0.149	21.94	0.156	21.66	0.147
15	16QAM	1	37	21.80	0.151	21.80	0.151	21.64	0.146
15	16QAM	1	74	21.66	0.147	21.96	0.157	21.75	0.150
15	16QAM	36	0	21.67	0.147	21.69	0.148	21.88	0.154
15	16QAM	36	20	21.62	0.145	21.69	0.148	21.75	0.150
15	16QAM	36	39	21.58	0.144	21.67	0.147	21.73	0.149
15	16QAM	75	0	21.69	0.148	21.70	0.148	21.79	0.151
15	64QAM	1	0	21.64	0.146	21.95	0.157	22.00	0.158
15	64QAM	1	37	22.06	0.161	21.82	0.152	21.88	0.154
15	64QAM	1	74	22.10	0.162	21.81	0.152	21.85	0.153
15	64QAM	36	0	21.75	0.150	21.82	0.152	21.86	0.153
15	64QAM	36	20	21.81	0.152	21.83	0.152	21.85	0.153
15	64QAM	36	39	21.84	0.153	21.80	0.151	21.82	0.152
15	64QAM	75	0	21.77	0.150	21.88	0.154	21.81	0.152



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.74	0.188	22.93	0.196	22.76	0.189
10	QPSK	1	25	22.72	0.187	22.85	0.193	22.86	0.193
10	QPSK	1	49	22.80	0.191	22.63	0.183	22.86	0.193
10	QPSK	25	0	21.79	0.151	22.01	0.159	22.03	0.160
10	QPSK	25	12	21.91	0.155	21.97	0.157	22.01	0.159
10	QPSK	25	25	21.80	0.151	21.91	0.155	21.98	0.158
10	QPSK	50	0	21.86	0.153	21.96	0.157	21.88	0.154
10	16QAM	1	0	21.63	0.146	21.78	0.151	21.54	0.143
10	16QAM	1	25	21.90	0.155	21.64	0.146	21.96	0.157
10	16QAM	1	49	21.97	0.157	21.87	0.154	21.86	0.153
10	16QAM	25	0	21.63	0.146	21.62	0.145	21.61	0.145
10	16QAM	25	12	21.55	0.143	21.65	0.146	21.62	0.145
10	16QAM	25	25	21.89	0.155	21.80	0.151	21.89	0.155
10	16QAM	50	0	21.83	0.152	21.87	0.154	21.99	0.158
10	64QAM	1	0	21.69	0.148	21.77	0.150	21.67	0.147
10	64QAM	1	25	21.76	0.150	22.05	0.160	22.14	0.164
10	64QAM	1	49	21.74	0.149	21.78	0.151	21.73	0.149
10	64QAM	25	0	21.58	0.144	21.72	0.149	21.71	0.148
10	64QAM	25	12	21.67	0.147	21.78	0.151	21.82	0.152
10	64QAM	25	25	21.55	0.143	21.67	0.147	21.69	0.148
10	64QAM	50	0	21.61	0.145	21.68	0.147	21.67	0.147



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.64	0.184	22.86	0.193	22.91	0.195
5	QPSK	1	12	22.70	0.186	22.85	0.193	22.82	0.191
5	QPSK	1	24	22.65	0.184	22.77	0.189	22.76	0.189
5	QPSK	12	0	21.87	0.154	21.87	0.154	21.91	0.155
5	QPSK	12	7	21.87	0.154	21.98	0.158	21.95	0.157
5	QPSK	12	13	21.82	0.152	21.99	0.158	21.91	0.155
5	QPSK	25	0	21.85	0.153	21.89	0.155	21.95	0.157
5	16QAM	1	0	21.53	0.142	21.94	0.156	21.62	0.145
5	16QAM	1	12	21.64	0.146	21.99	0.158	21.58	0.144
5	16QAM	1	24	21.58	0.144	21.93	0.156	21.53	0.142
5	16QAM	12	0	21.57	0.144	21.51	0.142	21.54	0.143
5	16QAM	12	7	21.60	0.145	21.64	0.146	21.62	0.145
5	16QAM	12	13	21.87	0.154	21.94	0.156	21.98	0.158
5	16QAM	25	0	21.88	0.154	21.99	0.158	21.92	0.156
5	64QAM	1	0	21.65	0.146	22.09	0.162	22.07	0.161
5	64QAM	1	12	22.03	0.160	21.79	0.151	22.06	0.161
5	64QAM	1	24	21.99	0.158	21.69	0.148	21.76	0.150
5	64QAM	12	0	21.66	0.147	21.73	0.149	21.75	0.150
5	64QAM	12	7	21.65	0.146	21.74	0.149	21.80	0.151
5	64QAM	12	13	21.66	0.147	21.72	0.149	21.71	0.148
5	64QAM	25	0	21.61	0.145	21.75	0.150	21.66	0.147



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.76	0.189	22.77	0.189	22.89	0.195
3	QPSK	1	8	22.85	0.193	22.99	0.199	22.93	0.196
3	QPSK	1	14	22.65	0.184	22.84	0.192	22.84	0.192
3	QPSK	8	0	21.85	0.153	21.91	0.155	21.92	0.156
3	QPSK	8	4	21.91	0.155	21.99	0.158	22.01	0.159
3	QPSK	8	7	21.87	0.154	21.97	0.157	21.97	0.157
3	QPSK	15	0	21.87	0.154	21.93	0.156	21.87	0.154
3	16QAM	1	0	21.73	0.149	21.82	0.152	21.86	0.153
3	16QAM	1	8	21.95	0.157	21.95	0.157	21.69	0.148
3	16QAM	1	14	21.86	0.153	21.64	0.146	21.72	0.149
3	16QAM	8	0	21.65	0.146	21.66	0.147	21.75	0.150
3	16QAM	8	4	21.75	0.150	21.75	0.150	21.76	0.150
3	16QAM	8	7	21.97	0.157	22.05	0.160	22.09	0.162
3	16QAM	15	0	21.97	0.157	21.95	0.157	22.02	0.159
3	64QAM	1	0	21.64	0.146	21.73	0.149	21.71	0.148
3	64QAM	1	8	21.83	0.152	21.71	0.148	21.87	0.154
3	64QAM	1	14	21.64	0.146	21.71	0.148	21.54	0.143
3	64QAM	8	0	21.62	0.145	21.66	0.147	21.60	0.145
3	64QAM	8	4	21.74	0.149	21.72	0.149	21.76	0.150
3	64QAM	8	7	21.68	0.147	21.75	0.150	21.87	0.154
3	64QAM	15	0	21.64	0.146	21.72	0.149	21.63	0.146



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.51	0.178	22.72	0.187	22.73	0.187
1.4	QPSK	1	3	22.85	0.193	22.85	0.193	22.89	0.195
1.4	QPSK	1	5	22.71	0.187	22.80	0.191	22.82	0.191
1.4	QPSK	3	0	22.79	0.190	22.76	0.189	22.75	0.188
1.4	QPSK	3	1	22.75	0.188	22.85	0.193	22.90	0.195
1.4	QPSK	3	3	22.74	0.188	22.81	0.191	22.80	0.191
1.4	QPSK	6	0	21.90	0.155	21.92	0.156	21.88	0.154
1.4	16QAM	1	0	21.62	0.145	22.09	0.162	21.75	0.150
1.4	16QAM	1	3	21.75	0.150	21.83	0.152	21.87	0.154
1.4	16QAM	1	5	21.81	0.152	21.97	0.157	21.77	0.150
1.4	16QAM	3	0	21.84	0.153	21.88	0.154	21.79	0.151
1.4	16QAM	3	1	21.85	0.153	21.88	0.154	21.90	0.155
1.4	16QAM	3	3	21.84	0.153	21.96	0.157	21.85	0.153
1.4	16QAM	6	0	21.75	0.150	21.76	0.150	21.67	0.147
1.4	64QAM	1	0	21.53	0.142	21.47	0.140	21.61	0.145
1.4	64QAM	1	3	21.79	0.151	21.77	0.150	21.89	0.155
1.4	64QAM	1	5	21.70	0.148	21.66	0.147	21.50	0.141
1.4	64QAM	3	0	21.61	0.145	21.59	0.144	21.78	0.151
1.4	64QAM	3	1	21.52	0.142	21.67	0.147	21.64	0.146
1.4	64QAM	3	3	21.58	0.144	21.75	0.150	21.63	0.146
1.4	64QAM	6	0	21.57	0.144	21.58	0.144	21.65	0.146



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	22.35	0.172	22.36	0.172	22.28	0.169
10	QPSK	1	25	22.21	0.166	22.24	0.167	22.04	0.160
10	QPSK	1	49	22.13	0.163	22.25	0.168	21.93	0.156
10	QPSK	25	0	21.45	0.140	21.47	0.140	21.28	0.134
10	QPSK	25	12	21.21	0.132	21.23	0.133	21.28	0.134
10	QPSK	25	25	21.21	0.132	21.32	0.136	21.37	0.137
10	QPSK	50	0	21.27	0.134	21.15	0.130	21.29	0.135
10	16QAM	1	0	21.31	0.135	21.50	0.141	21.21	0.132
10	16QAM	1	25	21.33	0.136	21.36	0.137	21.04	0.127
10	16QAM	1	49	21.16	0.131	21.22	0.132	21.29	0.135
10	16QAM	25	0	21.25	0.133	21.26	0.134	21.08	0.128
10	16QAM	25	12	21.19	0.132	21.27	0.134	21.05	0.127
10	16QAM	25	25	21.22	0.132	21.15	0.130	21.18	0.131
10	16QAM	50	0	21.23	0.133	21.14	0.130	21.04	0.127
10	64QAM	1	0	21.19	0.132	21.29	0.135	21.17	0.131
10	64QAM	1	25	21.16	0.131	21.36	0.137	21.16	0.131
10	64QAM	1	49	21.05	0.127	21.27	0.134	21.18	0.131
10	64QAM	25	0	21.16	0.131	21.27	0.134	20.94	0.124
10	64QAM	25	12	21.15	0.130	21.32	0.136	21.03	0.127
10	64QAM	25	25	21.27	0.134	21.16	0.131	20.86	0.122
10	64QAM	50	0	21.23	0.133	21.19	0.132	21.05	0.127



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	22.30	0.170	22.26	0.168	22.24	0.167
5	QPSK	1	12	22.20	0.166	22.31	0.170	22.15	0.164
5	QPSK	1	24	22.20	0.166	22.15	0.164	22.15	0.164
5	QPSK	12	0	21.15	0.130	21.20	0.132	21.06	0.128
5	QPSK	12	7	21.22	0.132	21.23	0.133	21.15	0.130
5	QPSK	12	13	21.27	0.134	21.11	0.129	21.06	0.128
5	QPSK	25	0	21.18	0.131	21.14	0.130	21.06	0.128
5	16QAM	1	0	21.47	0.140	21.40	0.138	21.16	0.131
5	16QAM	1	12	21.17	0.131	21.39	0.138	21.15	0.130
5	16QAM	1	24	21.04	0.127	21.39	0.138	21.22	0.132
5	16QAM	12	0	21.13	0.130	21.22	0.132	21.21	0.132
5	16QAM	12	7	21.20	0.132	21.23	0.133	21.05	0.127
5	16QAM	12	13	21.20	0.132	21.11	0.129	21.16	0.131
5	16QAM	25	0	21.21	0.132	21.26	0.134	21.21	0.132
5	64QAM	1	0	21.28	0.134	21.16	0.131	21.27	0.134
5	64QAM	1	12	21.16	0.131	21.10	0.129	21.24	0.133
5	64QAM	1	24	21.30	0.135	21.14	0.130	21.08	0.128
5	64QAM	12	0	21.02	0.126	21.16	0.131	20.96	0.125
5	64QAM	12	7	21.06	0.128	21.22	0.132	21.00	0.126
5	64QAM	12	13	21.24	0.133	21.19	0.132	20.76	0.119
5	64QAM	25	0	21.12	0.129	21.19	0.132	20.80	0.120



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	21.99	0.158	22.30	0.170	22.15	0.164
3	QPSK	1	8	22.25	0.168	22.26	0.168	22.17	0.165
3	QPSK	1	14	22.26	0.168	22.24	0.167	21.98	0.158
3	QPSK	8	0	21.29	0.135	21.42	0.139	21.40	0.138
3	QPSK	8	4	21.43	0.139	21.49	0.141	21.46	0.140
3	QPSK	8	7	21.38	0.137	21.40	0.138	21.27	0.134
3	QPSK	15	0	21.36	0.137	21.42	0.139	21.41	0.138
3	16QAM	1	0	21.38	0.137	21.49	0.141	21.56	0.143
3	16QAM	1	8	21.31	0.135	21.57	0.144	21.41	0.138
3	16QAM	1	14	21.36	0.137	21.62	0.145	21.37	0.137
3	16QAM	8	0	21.32	0.136	21.41	0.138	21.15	0.130
3	16QAM	8	4	21.48	0.141	21.59	0.144	21.16	0.131
3	16QAM	8	7	21.40	0.138	21.46	0.140	21.20	0.132
3	16QAM	15	0	21.34	0.136	21.36	0.137	20.91	0.123
3	64QAM	1	0	21.29	0.135	21.17	0.131	21.38	0.137
3	64QAM	1	8	21.17	0.131	21.41	0.138	21.17	0.131
3	64QAM	1	14	21.19	0.132	21.37	0.137	21.18	0.131
3	64QAM	8	0	21.29	0.135	21.39	0.138	21.37	0.137
3	64QAM	8	4	21.51	0.142	21.35	0.136	21.29	0.135
3	64QAM	8	7	21.46	0.140	21.38	0.137	21.35	0.136
3	64QAM	15	0	21.35	0.136	21.45	0.140	21.25	0.133



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	22.20	0.166	22.27	0.169	22.31	0.170
1.4	QPSK	1	3	22.33	0.171	22.26	0.168	22.33	0.171
1.4	QPSK	1	5	22.22	0.167	22.16	0.164	22.17	0.165
1.4	QPSK	3	0	22.23	0.167	22.29	0.169	22.25	0.168
1.4	QPSK	3	1	22.29	0.169	22.16	0.164	22.26	0.168
1.4	QPSK	3	3	22.30	0.170	22.22	0.167	22.22	0.167
1.4	QPSK	6	0	21.34	0.136	21.33	0.136	21.32	0.136
1.4	16QAM	1	0	21.47	0.140	21.28	0.134	21.45	0.140
1.4	16QAM	1	3	21.27	0.134	21.51	0.142	21.40	0.138
1.4	16QAM	1	5	21.66	0.147	21.34	0.136	21.40	0.138
1.4	16QAM	3	0	21.19	0.132	21.17	0.131	21.31	0.135
1.4	16QAM	3	1	21.22	0.132	21.49	0.141	21.35	0.136
1.4	16QAM	3	3	21.30	0.135	21.41	0.138	21.29	0.135
1.4	16QAM	6	0	21.49	0.141	21.36	0.137	21.40	0.138
1.4	64QAM	1	0	21.02	0.126	21.19	0.132	21.21	0.132
1.4	64QAM	1	3	21.33	0.136	21.34	0.136	21.29	0.135
1.4	64QAM	1	5	21.28	0.134	21.27	0.134	21.15	0.130
1.4	64QAM	3	0	20.94	0.124	21.21	0.132	21.22	0.132
1.4	64QAM	3	1	21.22	0.132	21.16	0.131	21.17	0.131
1.4	64QAM	3	3	21.12	0.129	21.29	0.135	21.33	0.136
1.4	64QAM	6	0	21.33	0.136	21.45	0.140	21.34	0.136



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	13.01	0.020	13.02	0.020	12.94	0.020
20	QPSK	1	49	12.96	0.020	13.00	0.020	12.89	0.019
20	QPSK	1	99	12.91	0.020	12.86	0.019	12.91	0.020
20	QPSK	50	0	12.19	0.017	12.26	0.017	12.23	0.017
20	QPSK	50	24	11.95	0.016	11.92	0.016	11.82	0.015
20	QPSK	50	50	12.05	0.016	12.08	0.016	12.05	0.016
20	QPSK	100	0	12.00	0.016	12.02	0.016	11.99	0.016
20	16QAM	1	0	11.93	0.016	12.03	0.016	12.21	0.017
20	16QAM	1	49	12.08	0.016	11.94	0.016	12.22	0.017
20	16QAM	1	99	12.02	0.016	12.33	0.017	11.98	0.016
20	16QAM	50	0	11.87	0.015	11.97	0.016	11.90	0.015
20	16QAM	50	24	11.92	0.016	11.84	0.015	11.95	0.016
20	16QAM	50	50	12.00	0.016	12.05	0.016	11.88	0.015
20	16QAM	100	0	11.76	0.015	11.88	0.015	11.86	0.015
20	64QAM	1	0	12.24	0.017	12.08	0.016	11.81	0.015
20	64QAM	1	49	12.18	0.017	12.15	0.016	12.20	0.017
20	64QAM	1	99	12.16	0.016	12.21	0.017	12.12	0.016
20	64QAM	50	0	11.90	0.015	11.91	0.016	11.96	0.016
20	64QAM	50	24	11.95	0.016	11.96	0.016	11.96	0.016
20	64QAM	50	50	11.99	0.016	12.06	0.016	11.91	0.016
20	64QAM	100	0	11.92	0.016	11.89	0.015	12.01	0.016



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	12.84	0.019	12.93	0.020	12.93	0.020
15	QPSK	1	37	12.94	0.020	12.91	0.020	12.95	0.020
15	QPSK	1	74	12.88	0.019	12.95	0.020	12.95	0.020
15	QPSK	36	0	11.98	0.016	12.07	0.016	12.09	0.016
15	QPSK	36	20	12.06	0.016	12.13	0.016	12.08	0.016
15	QPSK	36	39	12.09	0.016	12.12	0.016	12.16	0.016
15	QPSK	75	0	12.15	0.016	12.08	0.016	12.10	0.016
15	16QAM	1	0	12.31	0.017	12.42	0.017	12.49	0.018
15	16QAM	1	37	12.13	0.016	12.24	0.017	12.22	0.017
15	16QAM	1	74	12.17	0.016	12.17	0.016	12.39	0.017
15	16QAM	36	0	11.88	0.015	11.99	0.016	12.01	0.016
15	16QAM	36	20	11.95	0.016	11.98	0.016	11.97	0.016
15	16QAM	36	39	12.01	0.016	11.99	0.016	11.88	0.015
15	16QAM	75	0	11.84	0.015	11.92	0.016	11.84	0.015
15	64QAM	1	0	12.14	0.016	12.11	0.016	11.99	0.016
15	64QAM	1	37	12.04	0.016	12.19	0.017	12.28	0.017
15	64QAM	1	74	12.03	0.016	12.15	0.016	12.21	0.017
15	64QAM	36	0	11.88	0.015	11.96	0.016	11.95	0.016
15	64QAM	36	20	11.99	0.016	11.98	0.016	12.05	0.016
15	64QAM	36	39	12.03	0.016	11.94	0.016	11.96	0.016
15	64QAM	75	0	11.88	0.015	11.98	0.016	11.93	0.016



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	12.83	0.019	12.70	0.019	12.73	0.019
10	QPSK	1	25	12.86	0.019	12.76	0.019	12.78	0.019
10	QPSK	1	49	12.79	0.019	12.76	0.019	12.78	0.019
10	QPSK	25	0	11.90	0.015	11.90	0.015	11.89	0.015
10	QPSK	25	12	11.86	0.015	11.98	0.016	12.03	0.016
10	QPSK	25	25	11.79	0.015	11.97	0.016	11.97	0.016
10	QPSK	50	0	11.88	0.015	12.00	0.016	11.99	0.016
10	16QAM	1	0	11.93	0.016	12.11	0.016	11.96	0.016
10	16QAM	1	25	11.92	0.016	11.94	0.016	11.99	0.016
10	16QAM	1	49	12.39	0.017	12.29	0.017	12.20	0.017
10	16QAM	25	0	11.94	0.016	11.82	0.015	11.90	0.015
10	16QAM	25	12	11.76	0.015	11.93	0.016	11.86	0.015
10	16QAM	25	25	11.81	0.015	11.84	0.015	11.76	0.015
10	16QAM	50	0	11.84	0.015	11.93	0.016	11.78	0.015
10	64QAM	1	0	12.26	0.017	12.22	0.017	12.20	0.017
10	64QAM	1	25	11.95	0.016	12.20	0.017	12.03	0.016
10	64QAM	1	49	12.06	0.016	12.30	0.017	12.11	0.016
10	64QAM	25	0	11.92	0.016	11.90	0.015	11.94	0.016
10	64QAM	25	12	11.94	0.016	12.05	0.016	11.98	0.016
10	64QAM	25	25	11.87	0.015	11.77	0.015	11.76	0.015
10	64QAM	50	0	11.81	0.015	11.87	0.015	11.79	0.015



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	12.87	0.019	12.78	0.019	12.68	0.019
5	QPSK	1	12	12.74	0.019	12.67	0.018	12.75	0.019
5	QPSK	1	24	12.68	0.019	12.74	0.019	12.78	0.019
5	QPSK	12	0	11.82	0.015	11.90	0.015	11.82	0.015
5	QPSK	12	7	11.89	0.015	12.04	0.016	11.96	0.016
5	QPSK	12	13	11.91	0.016	12.07	0.016	11.92	0.016
5	QPSK	25	0	11.92	0.016	11.93	0.016	11.88	0.015
5	16QAM	1	0	11.90	0.015	11.88	0.015	11.94	0.016
5	16QAM	1	12	11.95	0.016	12.17	0.016	12.07	0.016
5	16QAM	1	24	12.01	0.016	12.20	0.017	12.02	0.016
5	16QAM	12	0	11.92	0.016	11.98	0.016	11.89	0.015
5	16QAM	12	7	11.93	0.016	11.95	0.016	11.91	0.016
5	16QAM	12	13	11.93	0.016	11.99	0.016	12.12	0.016
5	16QAM	25	0	11.90	0.015	11.95	0.016	11.97	0.016
5	64QAM	1	0	12.02	0.016	12.07	0.016	12.03	0.016
5	64QAM	1	12	12.07	0.016	12.19	0.017	12.07	0.016
5	64QAM	1	24	12.11	0.016	12.21	0.017	12.17	0.016
5	64QAM	12	0	11.94	0.016	11.91	0.016	11.96	0.016
5	64QAM	12	7	12.03	0.016	12.08	0.016	11.87	0.015
5	64QAM	12	13	11.98	0.016	12.07	0.016	11.93	0.016
5	64QAM	25	0	11.93	0.016	11.92	0.016	11.97	0.016



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.59	0.182	22.75	0.188	22.64	0.184
20	QPSK	1	49	22.45	0.176	22.58	0.181	22.61	0.182
20	QPSK	1	99	22.55	0.180	22.56	0.180	22.55	0.180
20	QPSK	50	0	21.84	0.153	21.94	0.156	21.85	0.153
20	QPSK	50	24	21.81	0.152	21.75	0.150	21.54	0.143
20	QPSK	50	50	21.86	0.153	21.92	0.156	21.85	0.153
20	QPSK	100	0	21.87	0.154	21.89	0.155	21.80	0.151
20	16QAM	1	0	21.80	0.151	21.35	0.136	21.48	0.141
20	16QAM	1	49	21.55	0.143	21.50	0.141	21.64	0.146
20	16QAM	1	99	21.64	0.146	21.69	0.148	21.58	0.144
20	16QAM	50	0	21.53	0.142	21.55	0.143	21.49	0.141
20	16QAM	50	24	21.57	0.144	21.61	0.145	21.50	0.141
20	16QAM	50	50	21.62	0.145	21.63	0.146	21.57	0.144
20	16QAM	100	0	21.52	0.142	21.60	0.145	21.65	0.146
20	64QAM	1	0	21.51	0.142	21.63	0.146	21.97	0.157
20	64QAM	1	49	21.95	0.157	22.01	0.159	21.60	0.145
20	64QAM	1	99	21.97	0.157	21.65	0.146	21.58	0.144
20	64QAM	50	0	21.48	0.141	21.42	0.139	21.39	0.138
20	64QAM	50	24	21.53	0.142	21.56	0.143	21.48	0.141
20	64QAM	50	50	21.58	0.144	21.55	0.143	21.55	0.143
20	64QAM	100	0	21.50	0.141	21.43	0.139	21.54	0.143



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	22.34	0.171	22.67	0.185	22.45	0.176
15	QPSK	1	37	22.50	0.178	22.66	0.185	22.50	0.178
15	QPSK	1	74	22.46	0.176	22.65	0.184	22.51	0.178
15	QPSK	36	0	21.57	0.144	21.64	0.146	21.63	0.146
15	QPSK	36	20	21.68	0.147	21.70	0.148	21.67	0.147
15	QPSK	36	39	21.63	0.146	21.66	0.147	21.63	0.146
15	QPSK	75	0	21.59	0.144	21.71	0.148	21.67	0.147
15	16QAM	1	0	21.60	0.145	21.62	0.145	21.64	0.146
15	16QAM	1	37	21.77	0.150	21.72	0.149	21.73	0.149
15	16QAM	1	74	21.73	0.149	21.71	0.148	21.67	0.147
15	16QAM	36	0	21.47	0.140	21.44	0.139	21.47	0.140
15	16QAM	36	20	21.75	0.150	21.80	0.151	21.64	0.146
15	16QAM	36	39	21.70	0.148	21.67	0.147	21.72	0.149
15	16QAM	75	0	21.71	0.148	21.67	0.147	21.69	0.148
15	64QAM	1	0	21.49	0.141	21.50	0.141	21.55	0.143
15	64QAM	1	37	21.94	0.156	21.64	0.146	21.57	0.144
15	64QAM	1	74	21.92	0.156	21.61	0.145	21.66	0.147
15	64QAM	36	0	21.46	0.140	21.48	0.141	21.43	0.139
15	64QAM	36	20	21.56	0.143	21.44	0.139	21.50	0.141
15	64QAM	36	39	21.43	0.139	21.53	0.142	21.58	0.144
15	64QAM	75	0	21.58	0.144	21.54	0.143	21.51	0.142



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	22.42	0.175	22.69	0.186	22.36	0.172
10	QPSK	1	25	22.60	0.182	22.59	0.182	22.49	0.177
10	QPSK	1	49	22.54	0.179	22.65	0.184	22.60	0.182
10	QPSK	25	0	21.65	0.146	21.63	0.146	21.63	0.146
10	QPSK	25	12	21.68	0.147	21.71	0.148	21.72	0.149
10	QPSK	25	25	21.63	0.146	21.71	0.148	21.65	0.146
10	QPSK	50	0	21.62	0.145	21.70	0.148	21.56	0.143
10	16QAM	1	0	21.63	0.146	21.99	0.158	21.58	0.144
10	16QAM	1	25	21.83	0.152	21.81	0.152	21.76	0.150
10	16QAM	1	49	21.66	0.147	21.71	0.148	21.57	0.144
10	16QAM	25	0	21.63	0.146	21.52	0.142	21.55	0.143
10	16QAM	25	12	21.68	0.147	21.65	0.146	21.76	0.150
10	16QAM	25	25	21.66	0.147	21.69	0.148	21.75	0.150
10	16QAM	50	0	21.64	0.146	21.57	0.144	21.56	0.143
10	64QAM	1	0	21.50	0.141	21.84	0.153	21.83	0.152
10	64QAM	1	25	21.79	0.151	21.69	0.148	21.70	0.148
10	64QAM	1	49	21.72	0.149	21.57	0.144	21.68	0.147
10	64QAM	25	0	21.39	0.138	21.47	0.140	21.38	0.137
10	64QAM	25	12	21.48	0.141	21.52	0.142	21.51	0.142
10	64QAM	25	25	21.47	0.140	21.39	0.138	21.54	0.143
10	64QAM	50	0	21.46	0.140	21.48	0.141	21.40	0.138



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	22.45	0.176	22.62	0.183	22.42	0.175
5	QPSK	1	12	22.56	0.180	22.55	0.180	22.57	0.181
5	QPSK	1	24	22.45	0.176	22.50	0.178	22.46	0.176
5	QPSK	12	0	22.40	0.174	22.53	0.179	22.51	0.178
5	QPSK	12	7	22.61	0.182	22.61	0.182	22.28	0.169
5	QPSK	12	13	22.56	0.180	22.58	0.181	22.54	0.179
5	QPSK	25	0	21.62	0.145	21.59	0.144	21.57	0.144
5	16QAM	1	0	21.80	0.151	21.74	0.149	21.59	0.144
5	16QAM	1	12	21.61	0.145	22.04	0.160	21.71	0.148
5	16QAM	1	24	21.73	0.149	21.74	0.149	21.73	0.149
5	16QAM	12	0	21.57	0.144	21.60	0.145	21.61	0.145
5	16QAM	12	7	21.73	0.149	21.81	0.152	21.65	0.146
5	16QAM	12	13	21.56	0.143	21.70	0.148	21.70	0.148
5	16QAM	25	0	21.49	0.141	21.69	0.148	21.59	0.144
5	64QAM	1	0	21.34	0.136	21.49	0.141	21.33	0.136
5	64QAM	1	12	21.46	0.140	21.39	0.138	21.44	0.139
5	64QAM	1	24	21.62	0.145	21.65	0.146	21.61	0.145
5	64QAM	12	0	21.52	0.142	21.53	0.142	21.36	0.137
5	64QAM	12	7	21.50	0.141	21.74	0.149	21.59	0.144
5	64QAM	12	13	21.52	0.142	21.36	0.137	21.52	0.142
5	64QAM	25	0	21.48	0.141	21.49	0.141	21.36	0.137



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	22.57	0.181	22.53	0.179	22.49	0.177
3	QPSK	1	8	22.56	0.180	22.52	0.179	22.51	0.178
3	QPSK	1	14	22.48	0.177	22.54	0.179	22.53	0.179
3	QPSK	8	0	21.64	0.146	21.82	0.152	21.71	0.148
3	QPSK	8	4	21.76	0.150	21.85	0.153	21.41	0.138
3	QPSK	8	7	21.55	0.143	21.43	0.139	21.49	0.141
3	QPSK	15	0	21.55	0.143	21.35	0.136	21.48	0.141
3	16QAM	1	0	21.80	0.151	21.85	0.153	21.57	0.144
3	16QAM	1	8	21.97	0.157	21.53	0.142	21.90	0.155
3	16QAM	1	14	21.81	0.152	21.86	0.153	22.02	0.159
3	16QAM	8	0	21.69	0.148	21.72	0.149	21.93	0.156
3	16QAM	8	4	21.69	0.148	21.76	0.150	21.88	0.154
3	16QAM	8	7	21.60	0.145	21.85	0.153	21.88	0.154
3	16QAM	15	0	21.70	0.148	21.82	0.152	21.86	0.153
3	64QAM	1	0	21.50	0.141	21.51	0.142	21.51	0.142
3	64QAM	1	8	21.54	0.143	21.51	0.142	21.59	0.144
3	64QAM	1	14	21.59	0.144	21.59	0.144	21.51	0.142
3	64QAM	8	0	21.65	0.146	21.70	0.148	21.94	0.156
3	64QAM	8	4	21.78	0.151	21.86	0.153	21.80	0.151
3	64QAM	8	7	21.63	0.146	21.81	0.152	21.83	0.152
3	64QAM	15	0	21.60	0.145	21.79	0.151	21.95	0.157



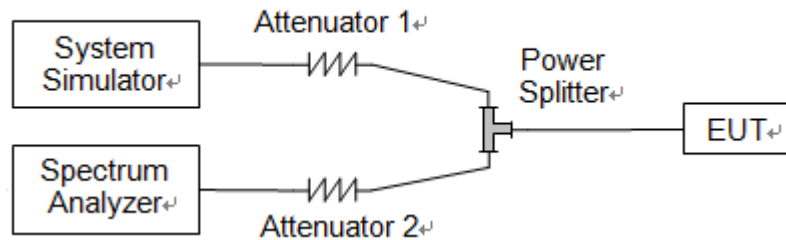
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.45	0.176	22.62	0.183	22.42	0.175
1.4	QPSK	1	3	22.56	0.180	22.55	0.180	22.57	0.181
1.4	QPSK	1	5	22.45	0.176	22.50	0.178	22.46	0.176
1.4	QPSK	3	0	22.40	0.174	22.53	0.179	22.51	0.178
1.4	QPSK	3	1	22.61	0.182	22.61	0.182	22.28	0.169
1.4	QPSK	3	3	22.56	0.180	22.58	0.181	22.54	0.179
1.4	QPSK	6	0	21.62	0.145	21.59	0.144	21.57	0.144
1.4	16QAM	1	0	21.80	0.151	21.74	0.149	21.59	0.144
1.4	16QAM	1	3	21.61	0.145	22.04	0.160	21.71	0.148
1.4	16QAM	1	5	21.73	0.149	21.74	0.149	21.73	0.149
1.4	16QAM	3	0	21.57	0.144	21.60	0.145	21.61	0.145
1.4	16QAM	3	1	21.73	0.149	21.81	0.152	21.65	0.146
1.4	16QAM	3	3	21.56	0.143	21.70	0.148	21.70	0.148
1.4	16QAM	6	0	21.49	0.141	21.69	0.148	21.59	0.144
1.4	64QAM	1	0	21.34	0.136	21.49	0.141	21.33	0.136
1.4	64QAM	1	3	21.46	0.140	21.39	0.138	21.44	0.139
1.4	64QAM	1	5	21.62	0.145	21.65	0.146	21.61	0.145
1.4	64QAM	3	0	21.52	0.142	21.53	0.142	21.36	0.137
1.4	64QAM	3	1	21.50	0.141	21.74	0.149	21.59	0.144
1.4	64QAM	3	3	21.52	0.142	21.36	0.137	21.52	0.142
1.4	64QAM	6	0	21.48	0.141	21.49	0.141	21.36	0.137

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	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.02
	Low	16QAM	2.71	3.06
	Low	64QAM	2.71	3.05
	Mid	QPSK	2.72	3.04
	Mid	16QAM	2.71	3.06
	Mid	64QAM	2.71	3.04
	High	QPSK	2.72	3.04
	High	16QAM	2.72	3.02
	High	64QAM	2.71	3.05
5	Low	QPSK	4.49	5.00
	Low	16QAM	4.51	4.90
	Low	64QAM	4.51	4.99
	Mid	QPSK	4.50	4.95
	Mid	16QAM	4.51	4.99
	Mid	64QAM	4.51	4.95
	High	QPSK	4.49	4.99
	High	16QAM	4.50	4.97
	High	64QAM	4.51	4.98
10	Low	QPSK	9.00	9.85
	Low	16QAM	8.97	9.78
	Low	64QAM	9.01	9.91
	Mid	QPSK	8.97	9.77
	Mid	16QAM	8.98	9.89
	Mid	64QAM	9.00	9.95
	High	QPSK	9.02	9.91
	High	16QAM	8.99	9.86
	High	64QAM	9.03	9.93



15	Low	QPSK	13.46	14.92
	Low	16QAM	13.47	14.81
	Low	64QAM	13.46	14.96
	Mid	QPSK	13.51	14.89
	Mid	16QAM	13.51	15.10
	Mid	64QAM	13.47	14.94
	High	QPSK	13.51	14.97
	High	16QAM	13.53	15.00
	High	64QAM	13.49	14.75
20	Low	QPSK	17.95	19.68
	Low	16QAM	17.99	19.88
	Low	64QAM	18.00	19.85
	Mid	QPSK	18.04	19.86
	Mid	16QAM	18.08	19.77
	Mid	64QAM	18.03	19.84
	High	QPSK	17.98	19.48
	High	16QAM	18.03	19.75
	High	64QAM	18.04	19.69



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.25
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.26
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.09	1.25
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.71	3.05
	Low	16QAM	2.70	3.04
	Low	64QAM	2.71	3.05
	Mid	QPSK	2.71	3.03
	Mid	16QAM	2.71	3.05
	Mid	64QAM	2.71	3.05
	High	QPSK	2.71	3.04
	High	16QAM	2.71	3.05
	High	64QAM	2.70	3.00
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.50	4.99
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.51	4.95
	Mid	64QAM	4.50	4.98
	High	QPSK	4.49	4.92
	High	16QAM	4.50	4.95
	High	64QAM	4.50	5.00
10	Low	QPSK	9.01	9.85
	Low	16QAM	8.98	9.85
	Low	64QAM	9.00	9.90
	Mid	QPSK	9.01	9.91
	Mid	16QAM	8.96	9.65
	Mid	64QAM	9.00	9.95
	High	QPSK	9.01	9.90
	High	16QAM	8.97	9.85
	High	64QAM	9.02	9.93



15	Low	QPSK	13.48	14.91
	Low	16QAM	13.49	14.92
	Low	64QAM	13.47	14.93
	Mid	QPSK	13.48	14.85
	Mid	16QAM	13.49	14.91
	Mid	64QAM	13.47	14.94
	High	QPSK	13.47	14.89
	High	16QAM	13.49	15.05
	High	64QAM	13.47	14.90
20	Low	QPSK	17.98	19.68
	Low	16QAM	18.00	19.63
	Low	64QAM	17.99	19.77
	Mid	QPSK	17.97	19.82
	Mid	16QAM	18.00	19.76
	Mid	64QAM	18.00	19.74
	High	QPSK	17.98	19.84
	High	16QAM	18.04	19.81
	High	64QAM	18.01	19.73



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.10	1.25
	Low	64QAM	1.11	1.80
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
	High	64QAM	1.11	1.25
3	Low	QPSK	2.72	3.07
	Low	16QAM	2.71	3.05
	Low	64QAM	2.72	3.04
	Mid	QPSK	2.72	3.04
	Mid	16QAM	2.72	3.06
	Mid	64QAM	2.71	3.04
	High	QPSK	2.71	3.03
	High	16QAM	2.72	3.07
	High	64QAM	2.71	3.05
5	Low	QPSK	4.50	4.99
	Low	16QAM	4.51	4.96
	Low	64QAM	4.51	4.96
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.51	4.98
	Mid	64QAM	4.51	4.96
	High	QPSK	4.50	5.02
	High	16QAM	4.51	4.98
	High	64QAM	4.51	4.98
10	Low	QPSK	9.00	9.87
	Low	16QAM	8.99	9.89
	Low	64QAM	9.03	9.98
	Mid	QPSK	9.00	9.89
	Mid	16QAM	8.98	9.91
	Mid	64QAM	9.01	9.92
	High	QPSK	9.03	10.04
	High	16QAM	8.98	9.86
	High	64QAM	9.01	9.87



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.99
	Low	16QAM	4.49	4.98
	Low	64QAM	4.48	4.89
	Mid	QPSK	4.50	5.00
	Mid	16QAM	4.51	4.98
	Mid	64QAM	4.50	4.97
	High	QPSK	4.50	4.98
	High	16QAM	4.54	7.08
	High	64QAM	4.50	4.97
10	Low	QPSK	8.98	9.85
	Low	16QAM	8.98	9.84
	Low	64QAM	9.03	9.97
	Mid	QPSK	9.03	9.86
	Mid	16QAM	8.97	9.85
	Mid	64QAM	9.04	9.95
	High	QPSK	9.01	9.91
	High	16QAM	8.98	9.84
	High	64QAM	9.01	9.96
15	Low	QPSK	13.48	14.97
	Low	16QAM	13.49	14.89
	Low	64QAM	13.47	14.94
	Mid	QPSK	13.49	15.04
	Mid	16QAM	13.49	15.01
	Mid	64QAM	13.49	15.01
	High	QPSK	13.50	14.90
	High	16QAM	13.49	15.02
	High	64QAM	13.48	15.02
20	Low	QPSK	17.99	19.74
	Low	16QAM	18.02	19.89
	Low	64QAM	17.95	19.58
	Mid	QPSK	18.00	19.89
	Mid	16QAM	18.04	19.77
	Mid	64QAM	18.06	19.92
	High	QPSK	17.98	19.82
	High	16QAM	18.02	19.80
	High	64QAM	18.03	19.75



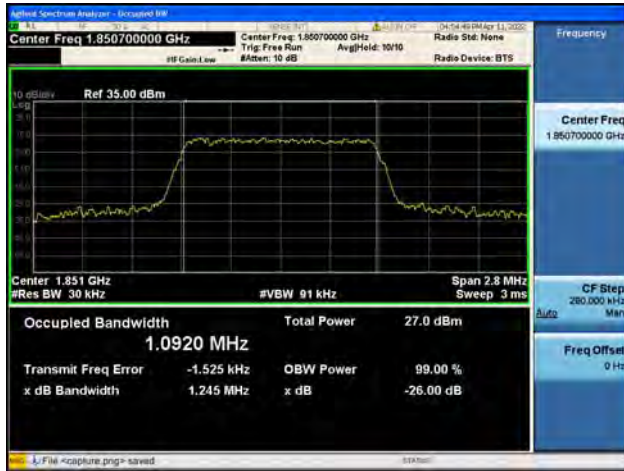
LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.09	1.25
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.03
	Low	16QAM	2.71	3.06
	Low	64QAM	2.71	3.05
	Mid	QPSK	2.72	3.06
	Mid	16QAM	2.71	3.07
	Mid	64QAM	2.71	3.04
	High	QPSK	2.71	3.06
	High	16QAM	2.71	3.06
	High	64QAM	2.71	3.04
5	Low	QPSK	4.50	4.99
	Low	16QAM	4.50	4.96
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.50	4.99
	Mid	16QAM	4.50	5.00
	Mid	64QAM	4.50	4.96
	High	QPSK	4.50	4.96
	High	16QAM	4.50	4.99
	High	64QAM	4.51	5.01
10	Low	QPSK	9.02	9.84
	Low	16QAM	8.97	9.84
	Low	64QAM	8.99	9.97
	Mid	QPSK	9.03	9.93
	Mid	16QAM	8.97	10.69
	Mid	64QAM	9.00	9.93
	High	QPSK	9.00	9.84
	High	16QAM	8.99	9.86
	High	64QAM	9.02	9.95



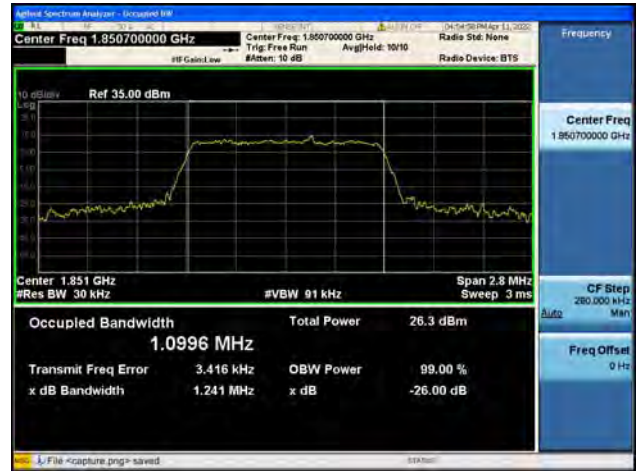
15	Low	QPSK	13.50	14.91
	Low	16QAM	13.47	14.89
	Low	64QAM	13.47	14.99
	Mid	QPSK	13.49	14.83
	Mid	16QAM	13.50	15.02
	Mid	64QAM	13.47	14.98
	High	QPSK	13.52	14.90
	High	16QAM	13.51	14.99
	High	64QAM	13.49	14.96
20	Low	QPSK	18.00	19.70
	Low	16QAM	18.00	19.79
	Low	64QAM	17.98	19.83
	Mid	QPSK	18.01	19.76
	Mid	16QAM	18.04	19.94
	Mid	64QAM	18.02	19.88
	High	QPSK	17.99	19.76
	High	16QAM	17.99	19.62
	High	64QAM	18.02	19.93



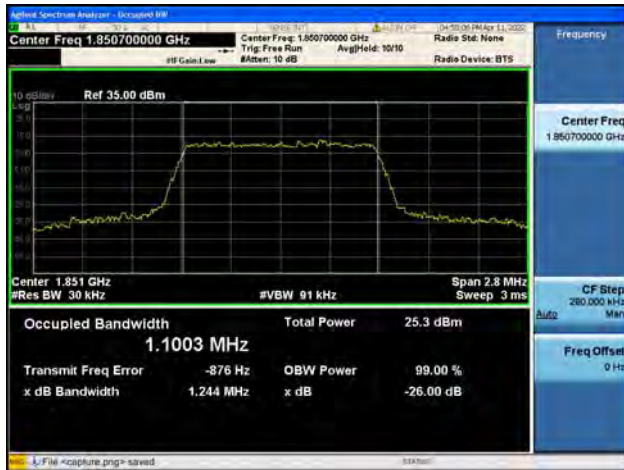
Band2 / 1.4MHz / Low CH / QPSK



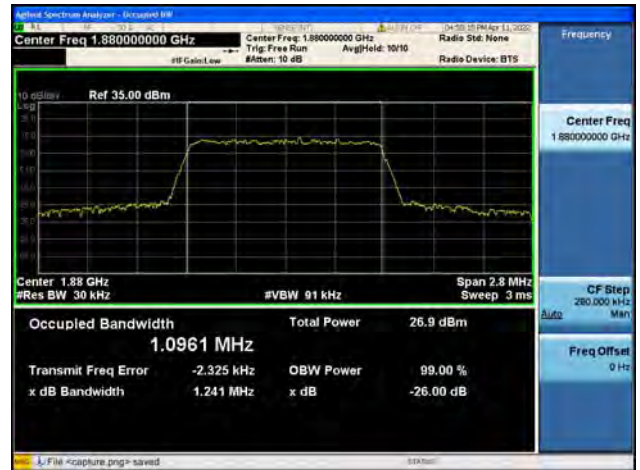
Band2 / 1.4MHz / Low CH / 16QAM



Band2 / 1.4MHz / Low CH / 64QAM



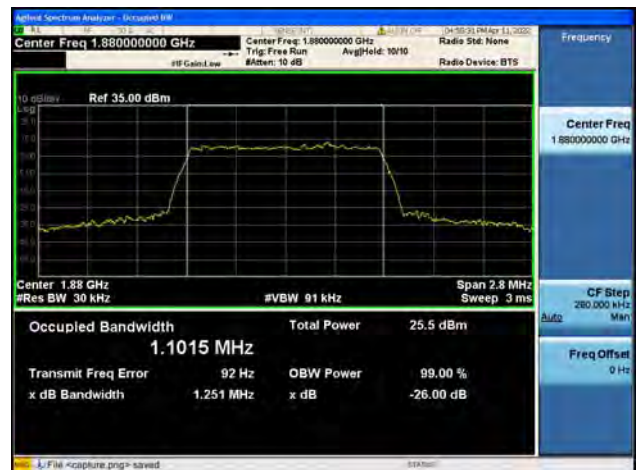
Band2 / 1.4MHz / Mid CH / QPSK



Band2 / 1.4MHz / Mid CH / 16QAM

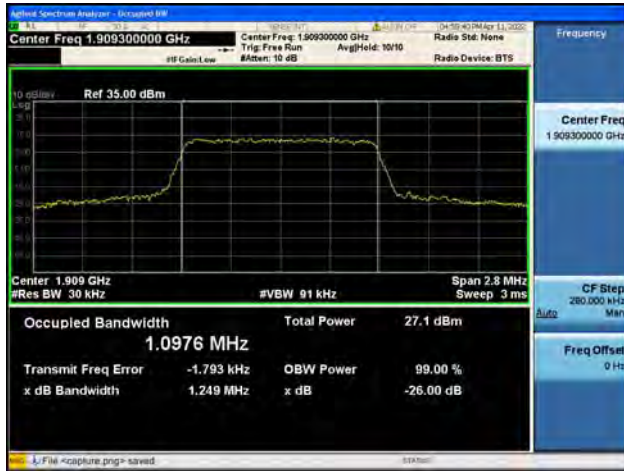


Band2 / 1.4MHz / Mid CH / 64QAM





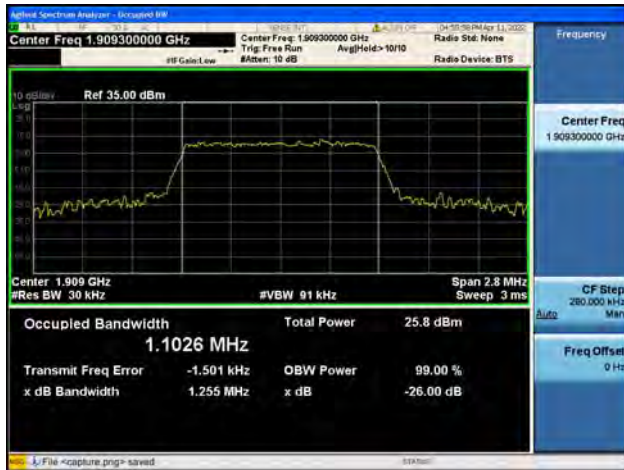
Band2 / 1.4MHz / High CH / QPSK



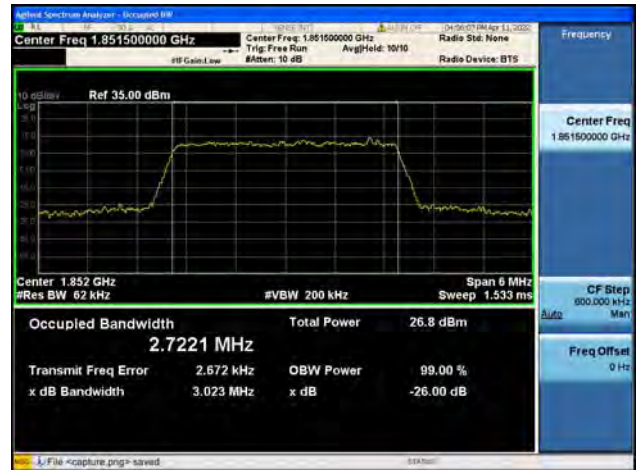
Band2 / 1.4MHz / High CH / 16QAM



Band2 / 1.4MHz / High CH / 64QAM



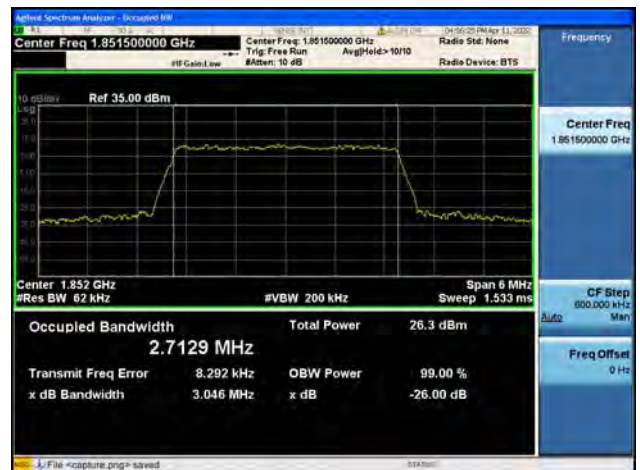
Band2 / 3MHz / Low CH / QPSK

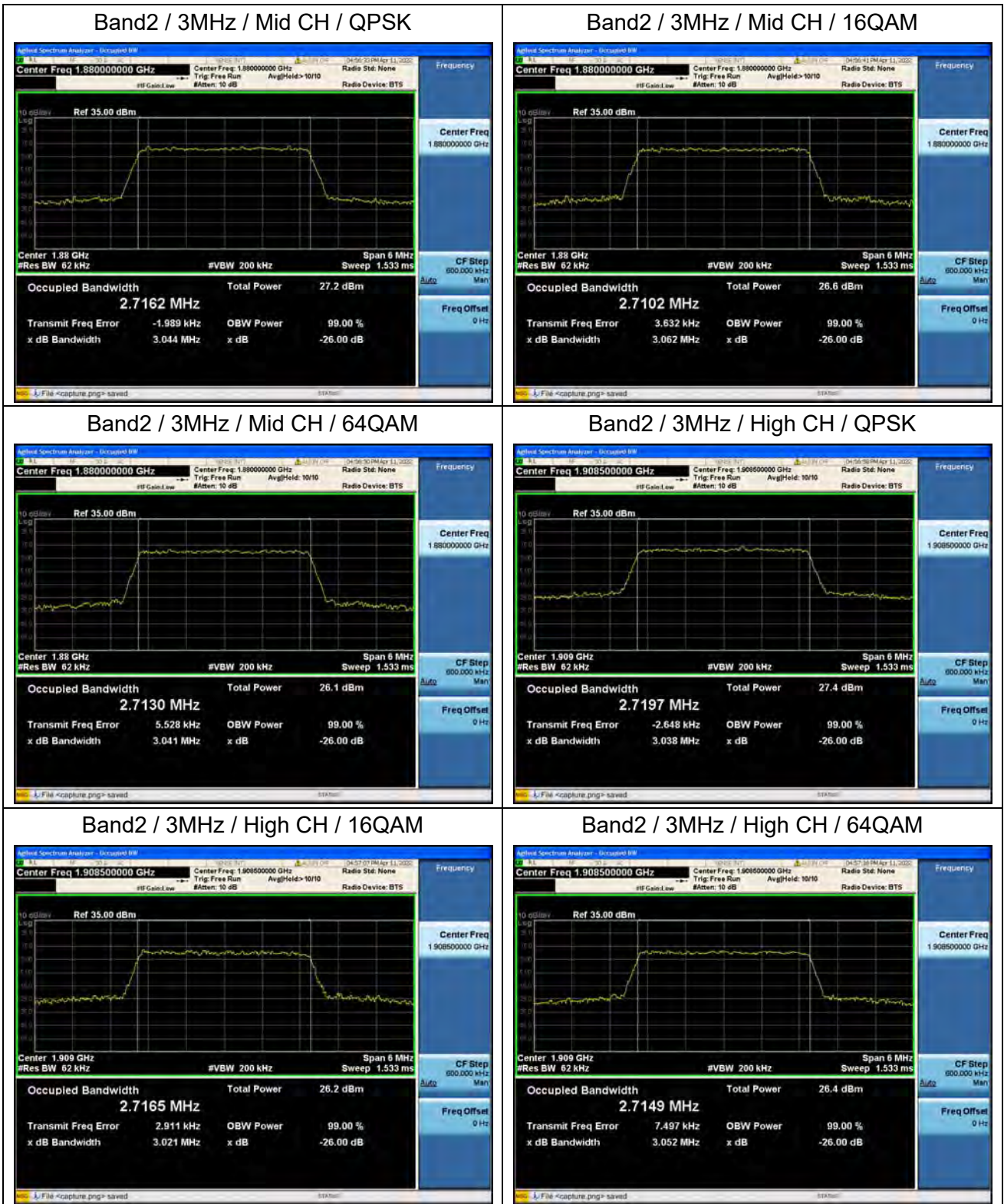


Band2 / 3MHz / Low CH / 16QAM



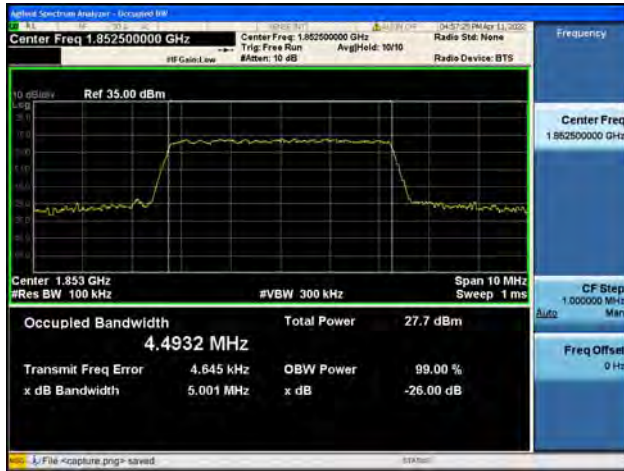
Band2 / 3MHz / Low CH / 64QAM



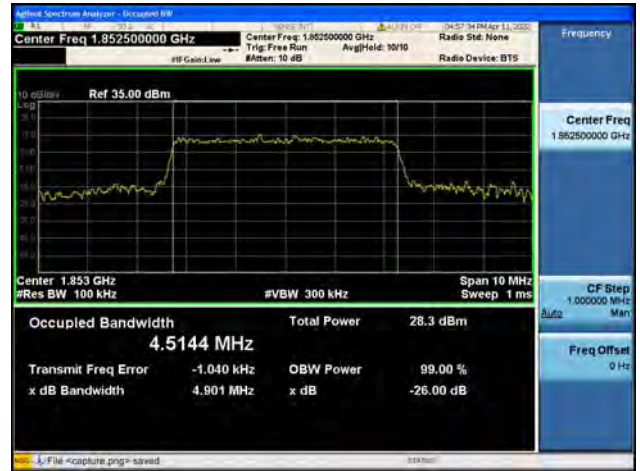




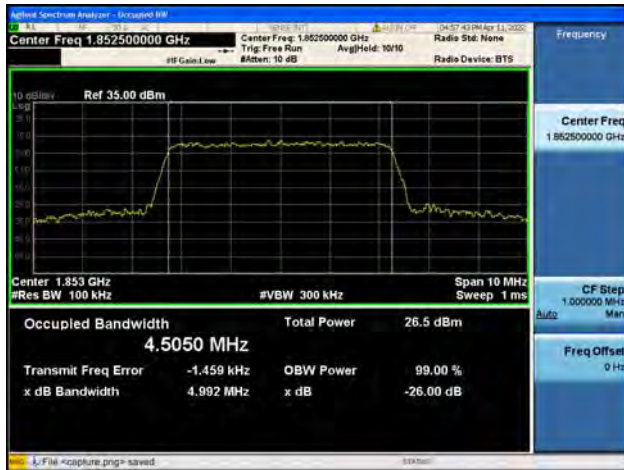
Band2 / 5MHz / Low CH / QPSK



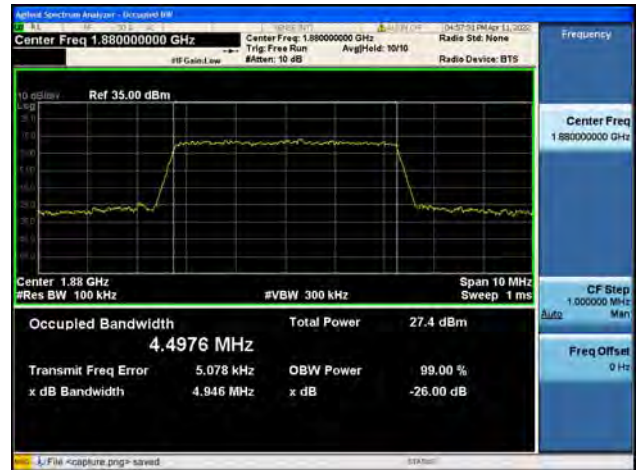
Band2 / 5MHz / Low CH / 16QAM



Band2 / 5MHz / Low CH / 64QAM



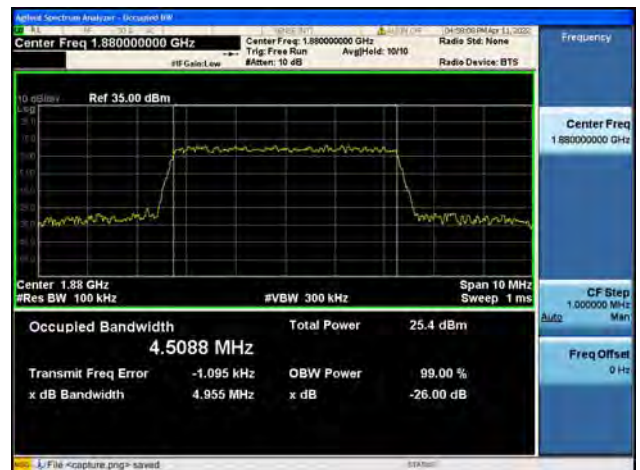
Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM

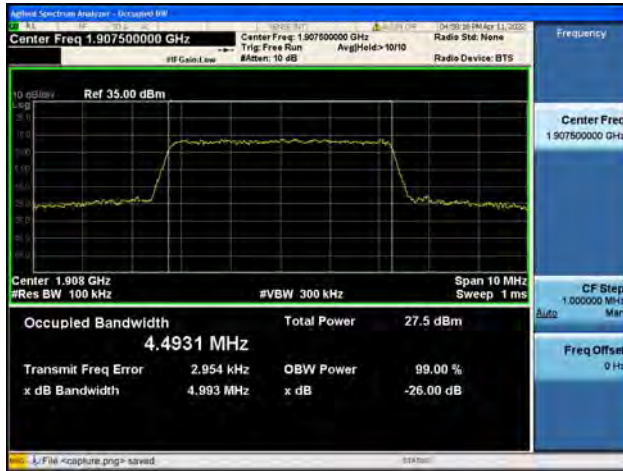


Band2 / 5MHz / Mid CH / 64QAM





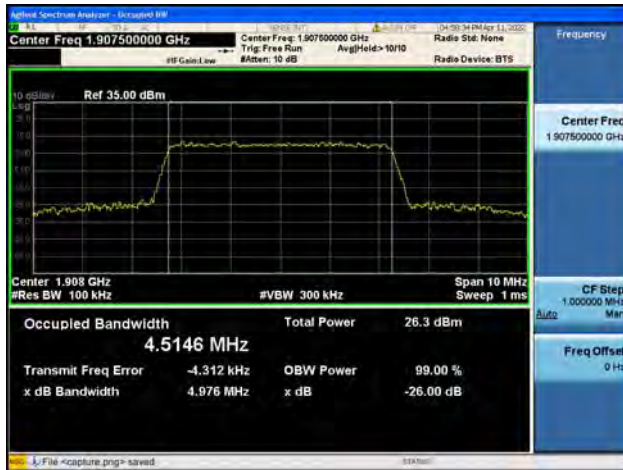
Band2 / 5MHz / High CH / QPSK



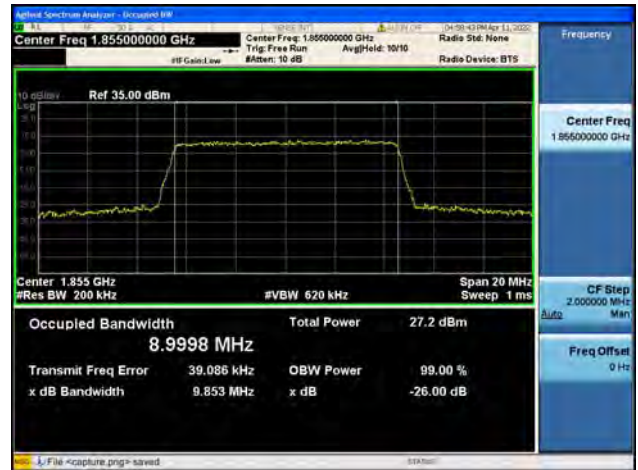
Band2 / 5MHz / High CH / 16QAM



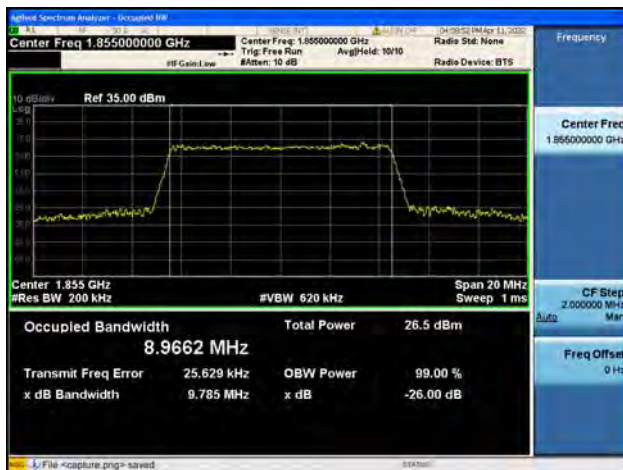
Band2 / 5MHz / High CH / 64QAM



Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM

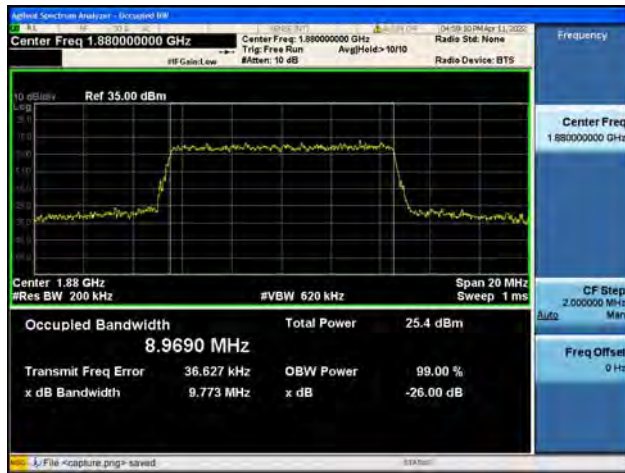


Band2 / 10MHz / Low CH / 64QAM





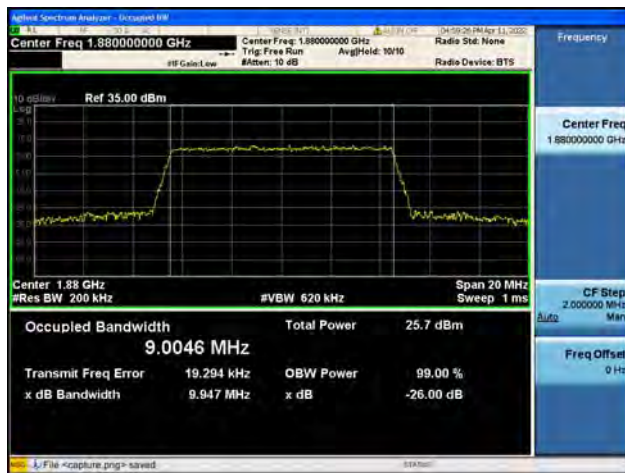
Band2 / 10MHz / Mid CH / QPSK



Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / Mid CH / 64QAM



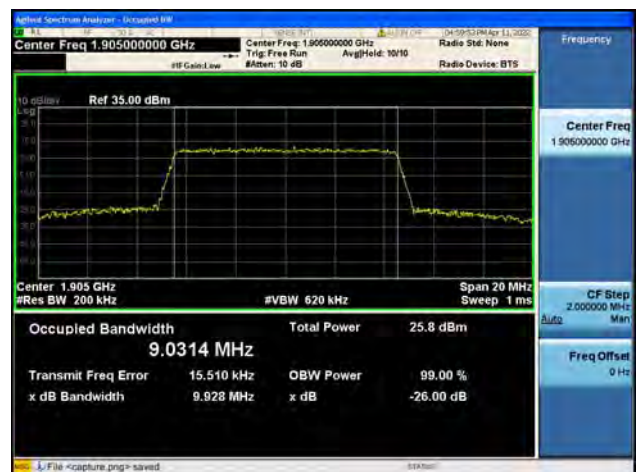
Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM



Band2 / 10MHz / High CH / 64QAM

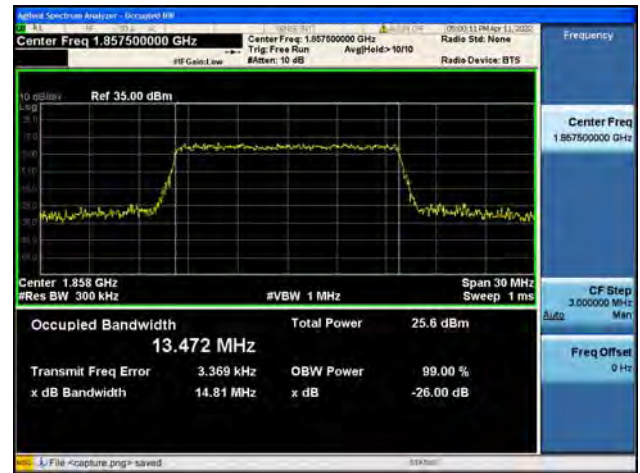




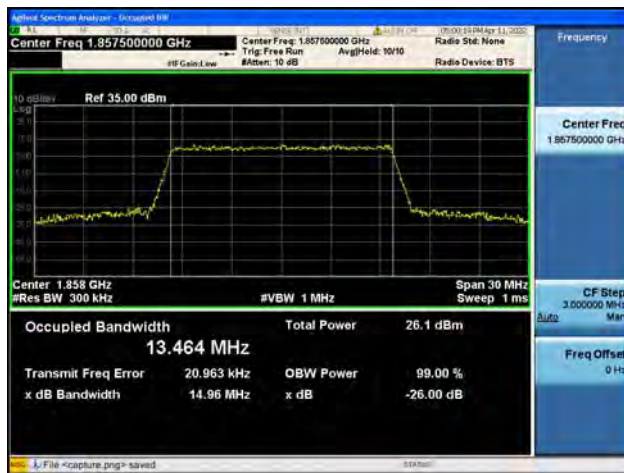
Band2 / 15MHz / Low CH / QPSK



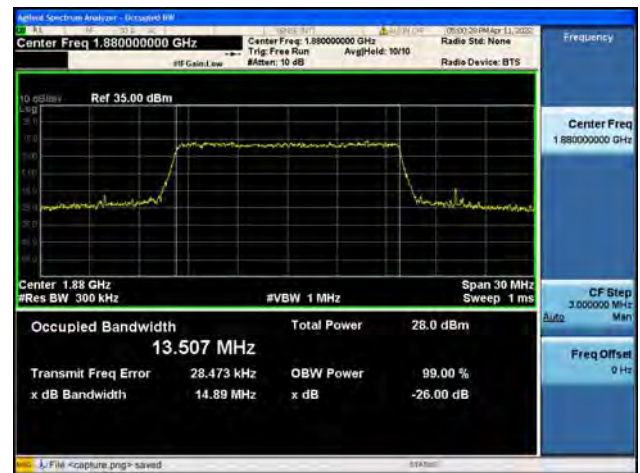
Band2 / 15MHz / Low CH / 16QAM



Band2 / 15MHz / Low CH / 64QAM



Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM



Band2 / 15MHz / Mid CH / 64QAM





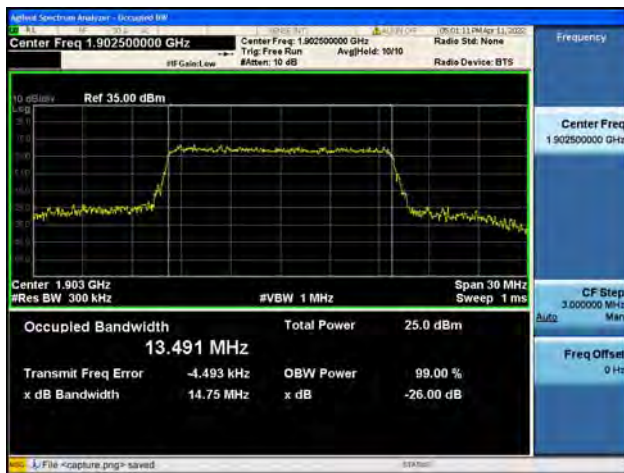
Band2 / 15MHz / High CH / QPSK



Band2 / 15MHz / High CH / 16QAM



Band2 / 15MHz / High CH / 64QAM



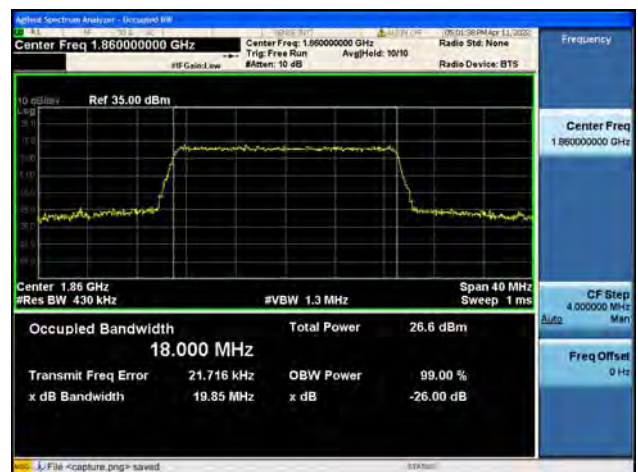
Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM

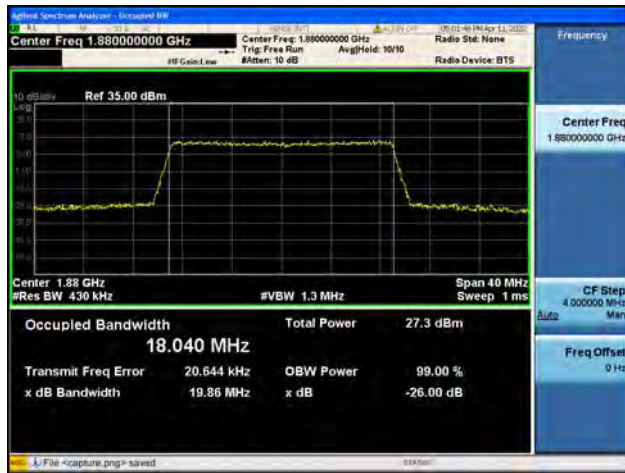


Band2 / 20MHz / Low CH / 64QAM

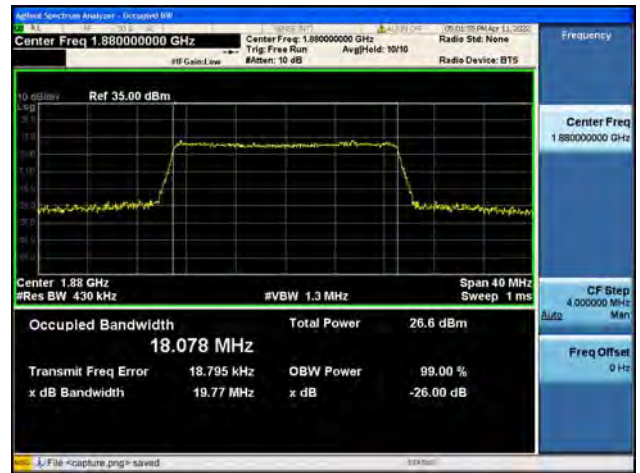




Band2 / 20MHz / Mid CH / QPSK



Band2 / 20MHz / Mid CH / 16QAM



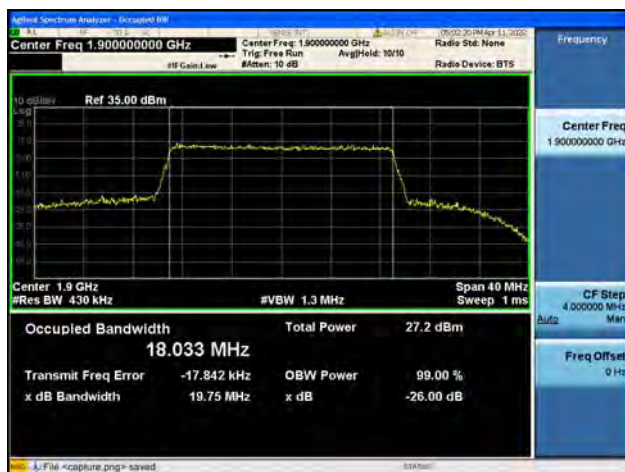
Band2 / 20MHz / Mid CH / 64QAM



Band2 / 20MHz / High CH / QPSK

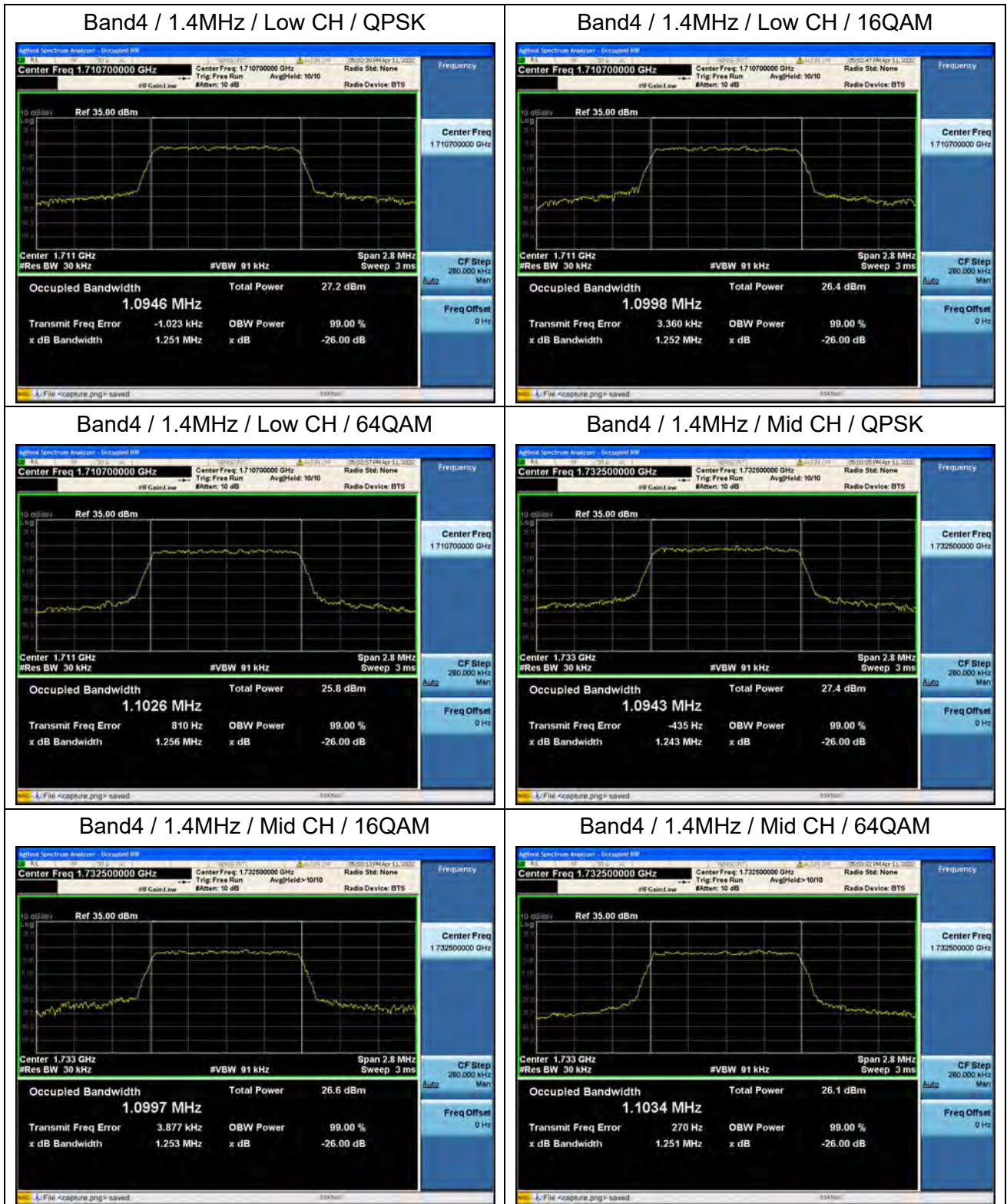


Band2 / 20MHz / High CH / 16QAM



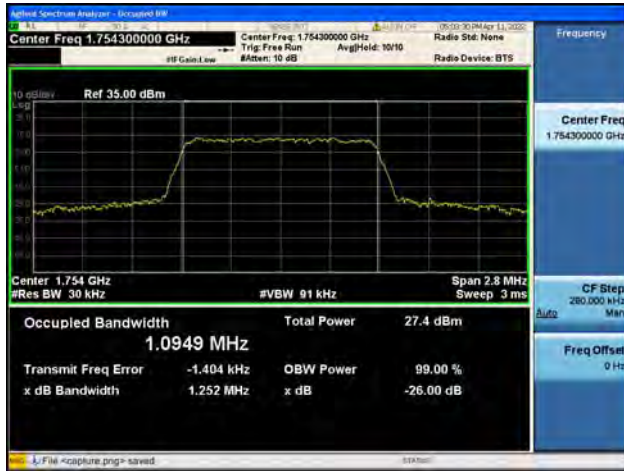
Band2 / 20MHz / High CH / 64QAM



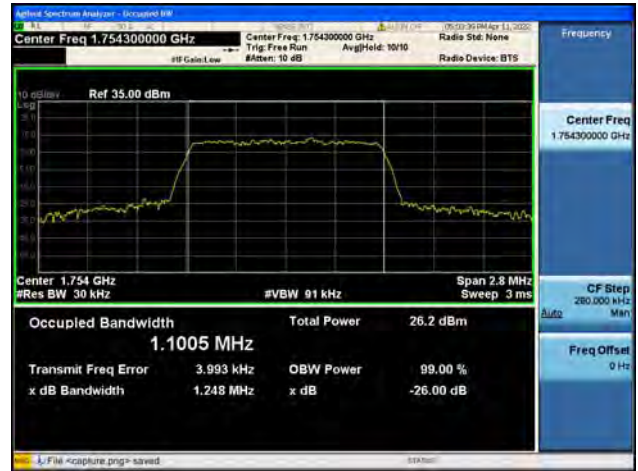




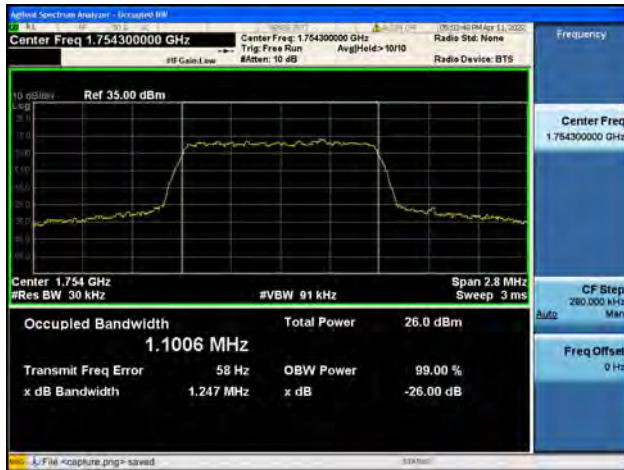
Band4 / 1.4MHz / High CH / QPSK



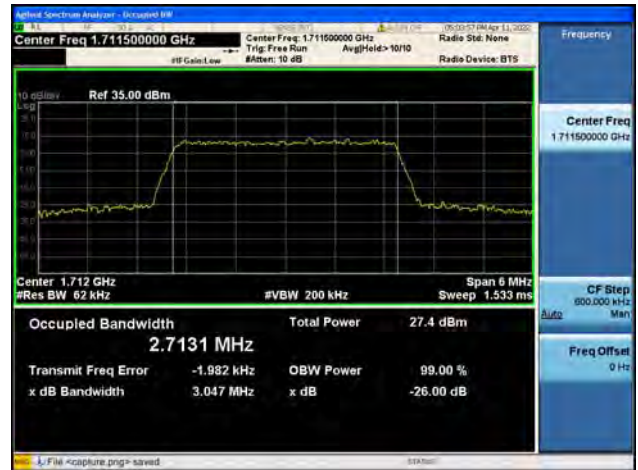
Band4 / 1.4MHz / High CH / 16QAM



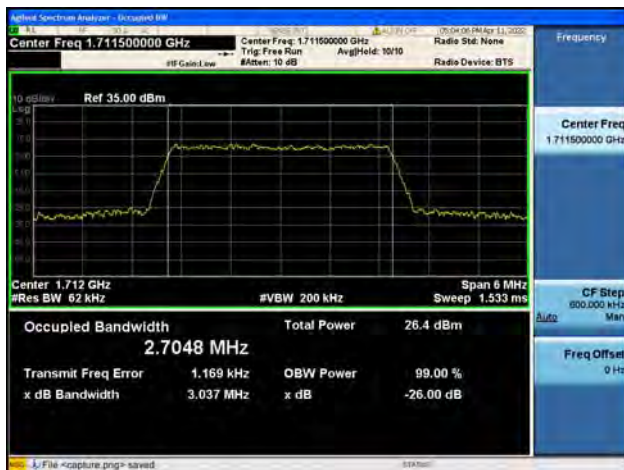
Band4 / 1.4MHz / High CH / 64QAM



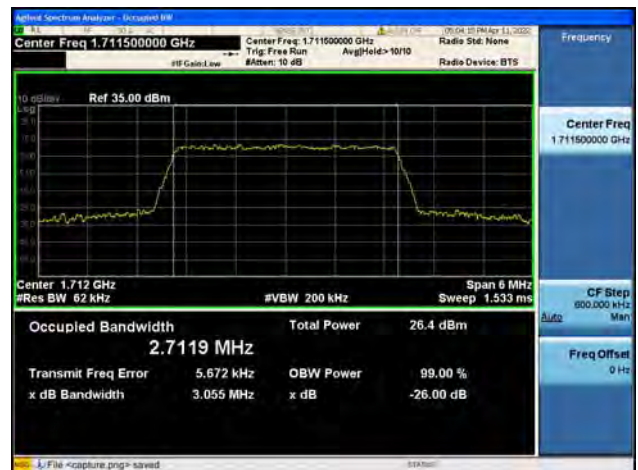
Band4 / 3MHz / Low CH / QPSK



Band4 / 3MHz / Low CH / 16QAM

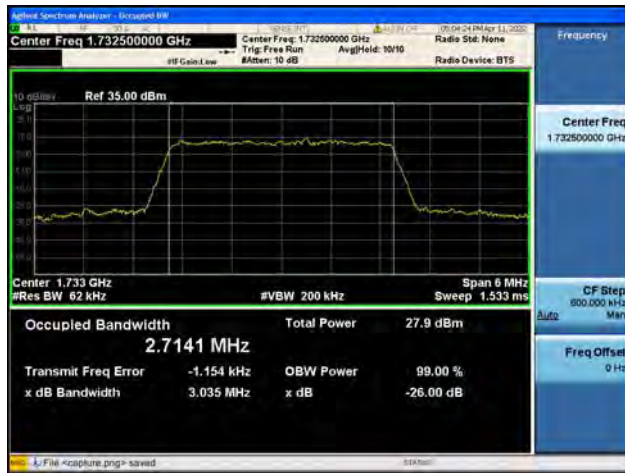


Band4 / 3MHz / Low CH / 64QAM

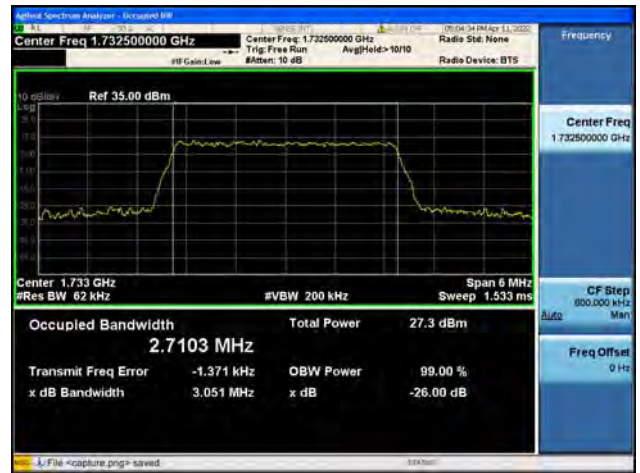




Band4 / 3MHz / Mid CH / QPSK



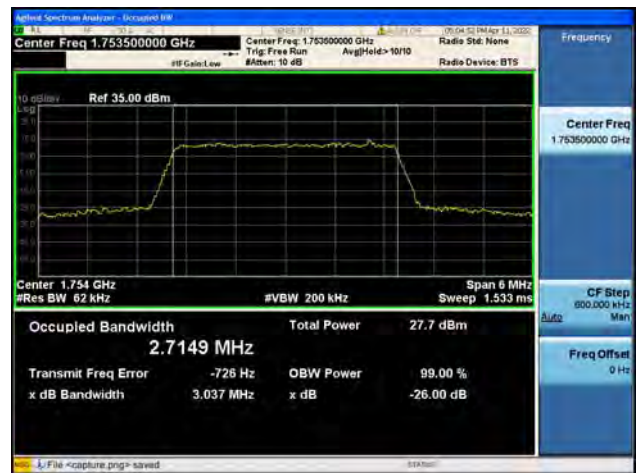
Band4 / 3MHz / Mid CH / 16QAM



Band4 / 3MHz / Mid CH / 64QAM



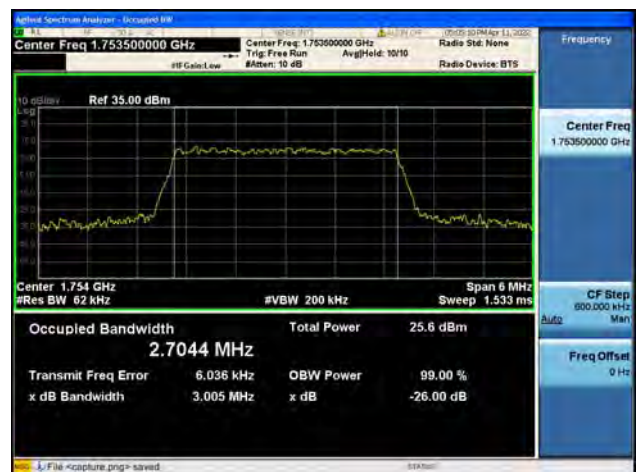
Band4 / 3MHz / High CH / QPSK



Band4 / 3MHz / High CH / 16QAM

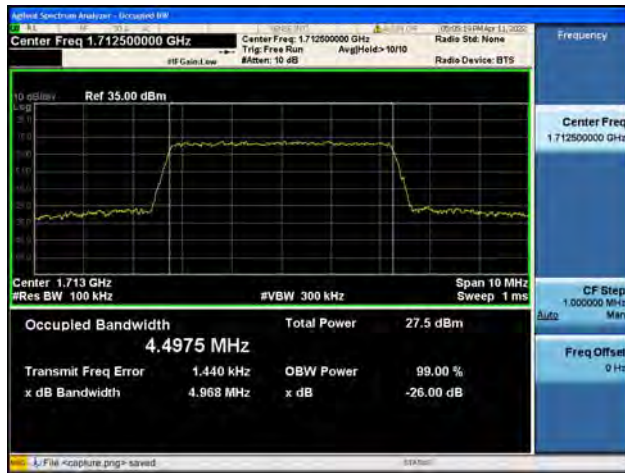


Band4 / 3MHz / High CH / 64QAM





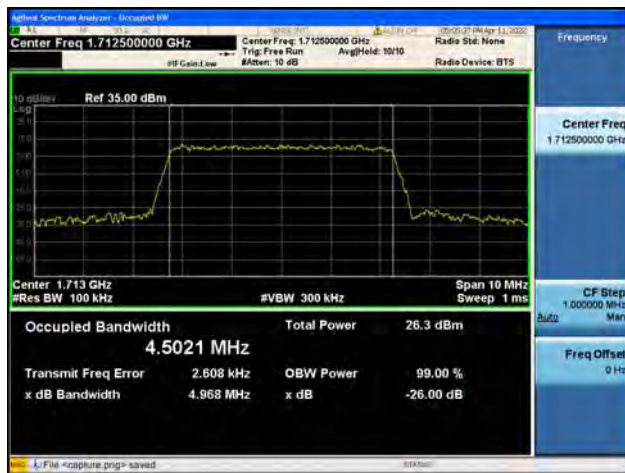
Band4 / 5MHz / Low CH / QPSK



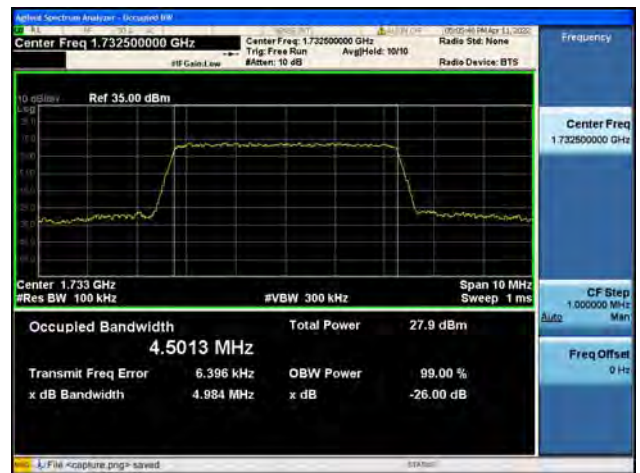
Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Low CH / 64QAM



Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM

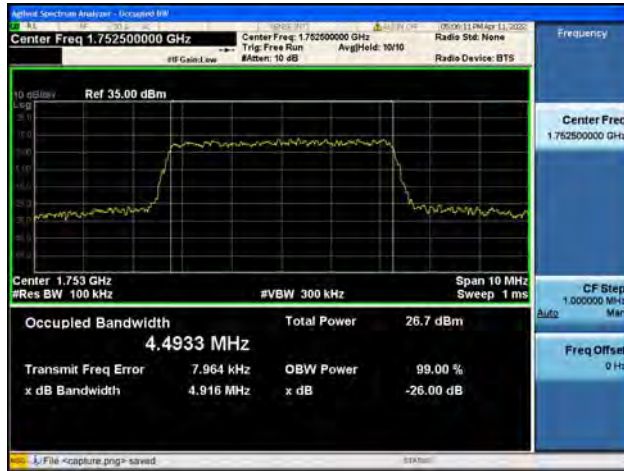


Band4 / 5MHz / Mid CH / 64QAM

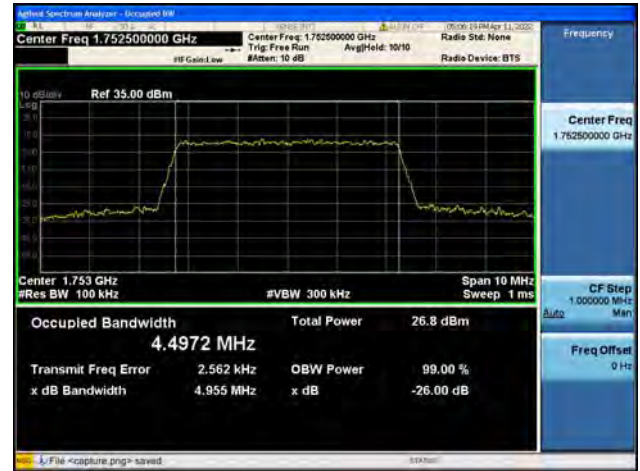




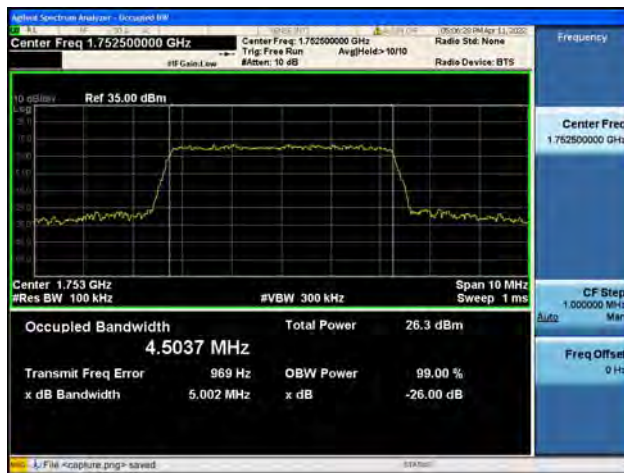
Band4 / 5MHz / High CH / QPSK



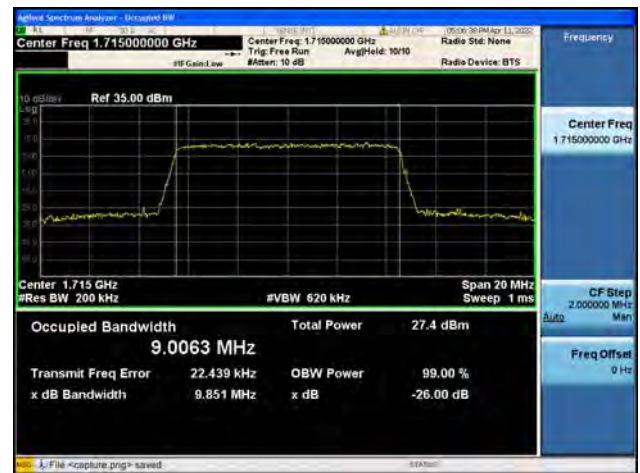
Band4 / 5MHz / High CH / 16QAM



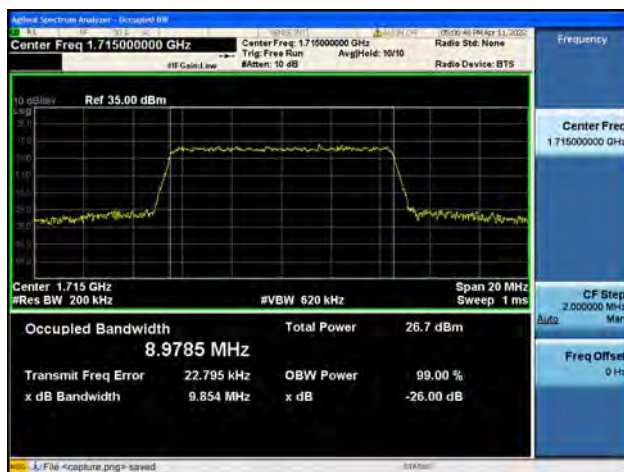
Band4 / 5MHz / High CH / 64QAM



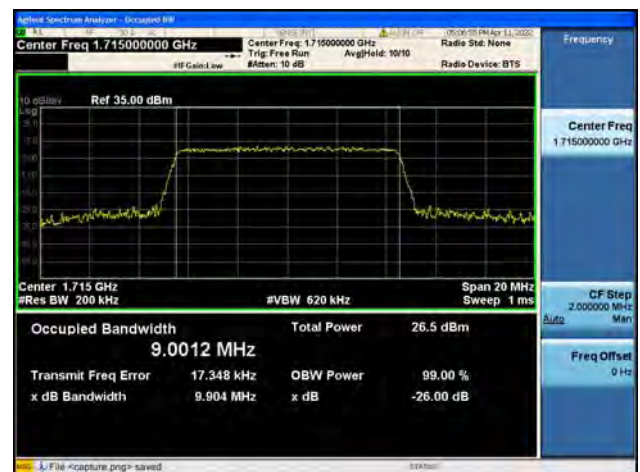
Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM

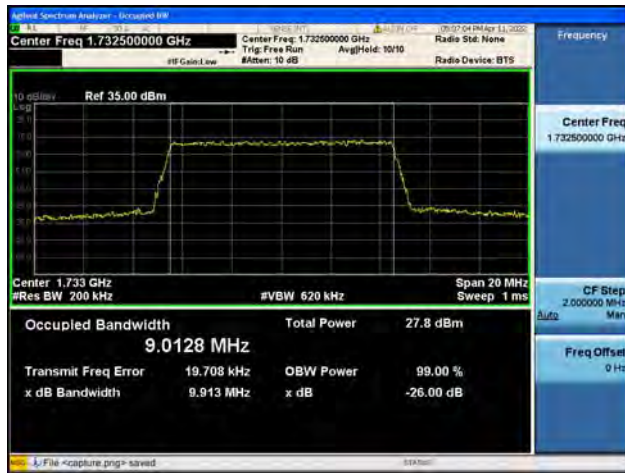


Band4 / 10MHz / Low CH / 64QAM

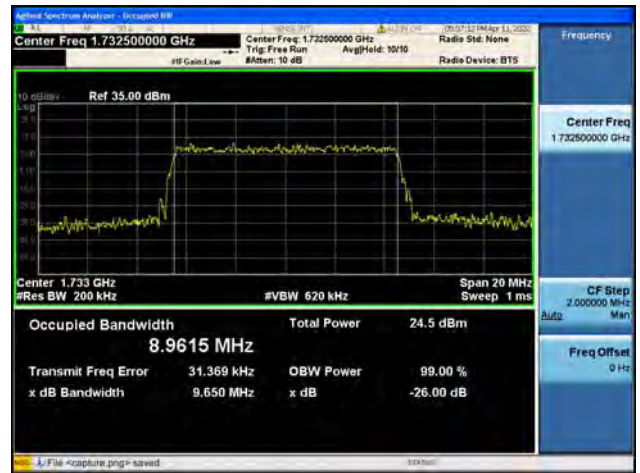




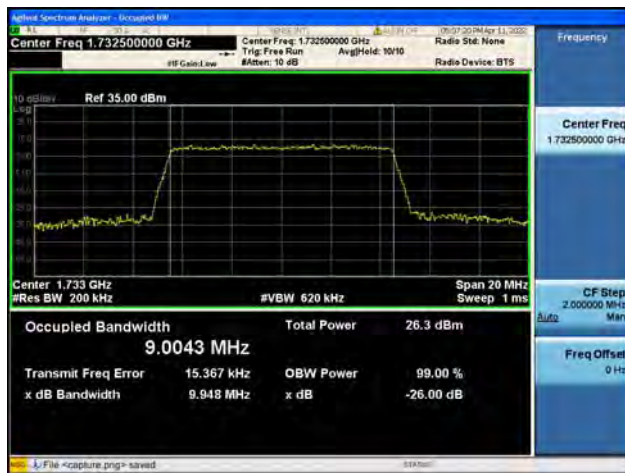
Band4 / 10MHz / Mid CH / QPSK



Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / Mid CH / 64QAM



Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM



Band4 / 10MHz / High CH / 64QAM

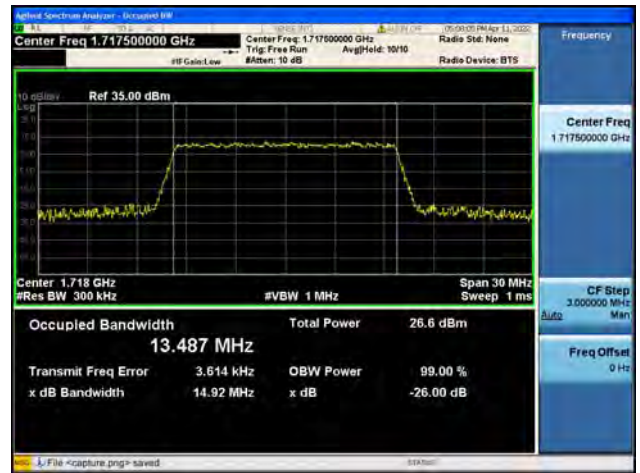




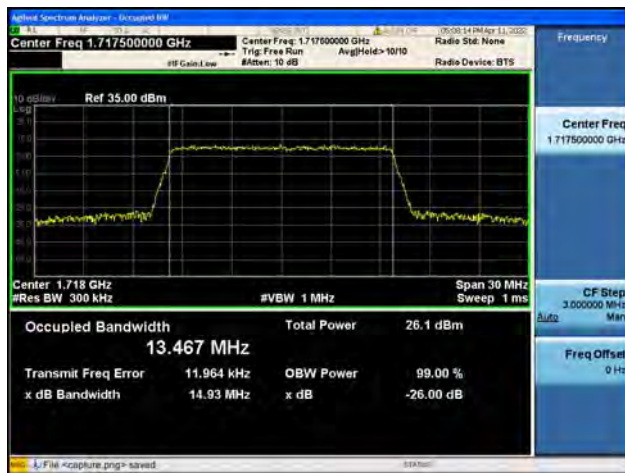
Band4 / 15MHz / Low CH / QPSK



Band4 / 15MHz / Low CH / 16QAM



Band4 / 15MHz / Low CH / 64QAM



Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM

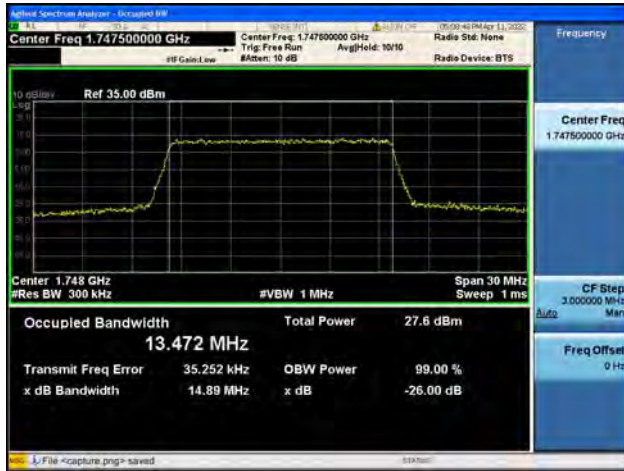


Band4 / 15MHz / Mid CH / 64QAM

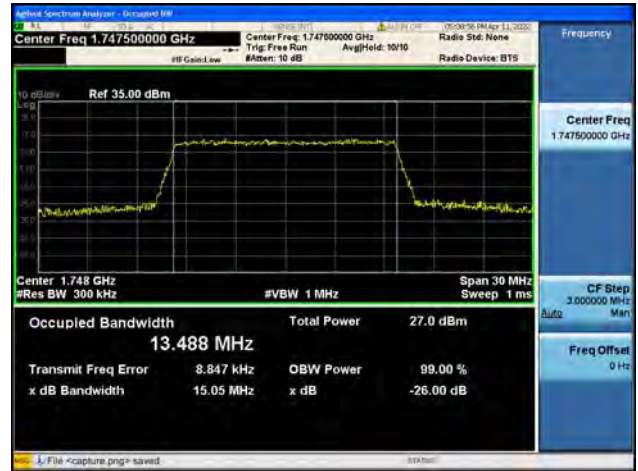




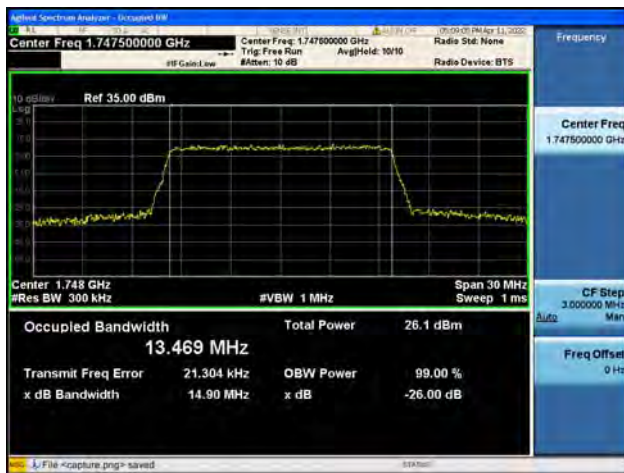
Band4 / 15MHz / High CH / QPSK



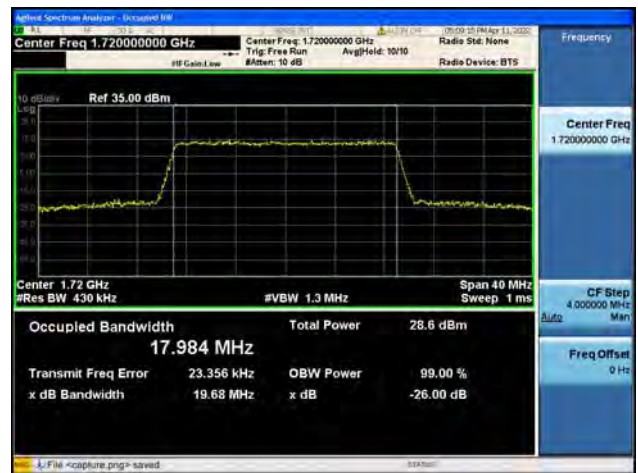
Band4 / 15MHz / High CH / 16QAM



Band4 / 15MHz / High CH / 64QAM



Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM

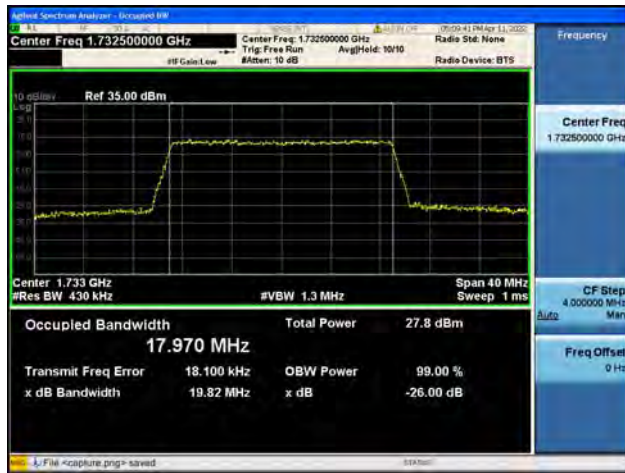


Band4 / 20MHz / Low CH / 64QAM

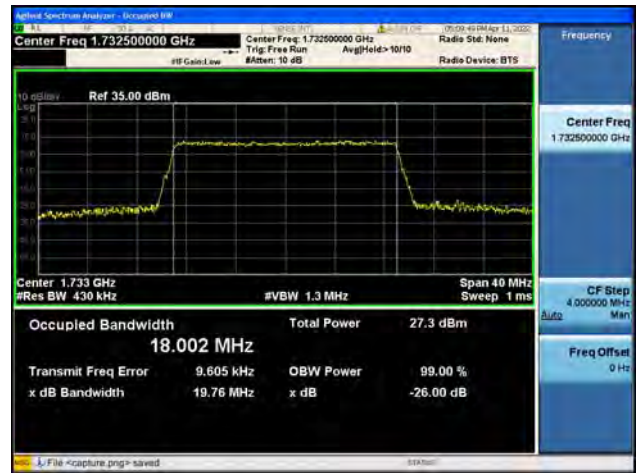




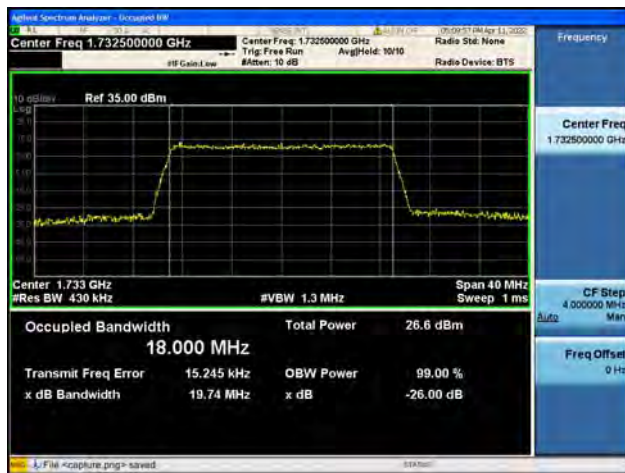
Band4 / 20MHz / Mid CH / QPSK



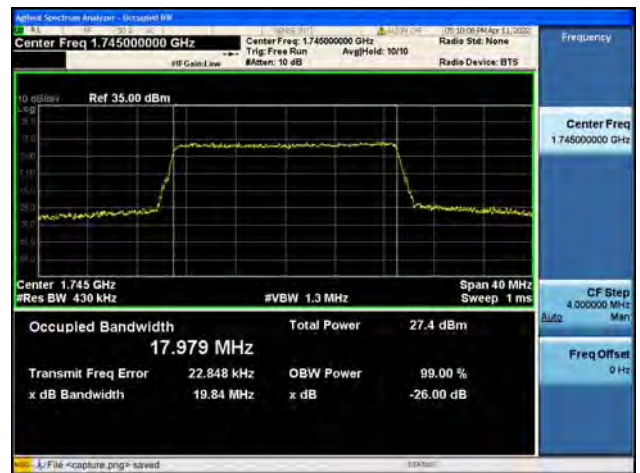
Band4 / 20MHz / Mid CH / 16QAM



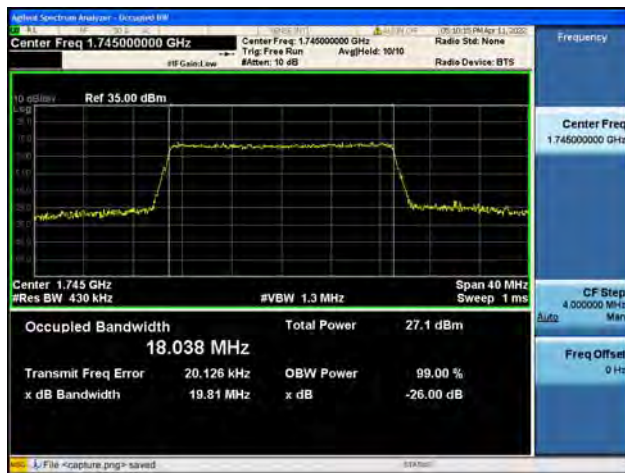
Band4 / 20MHz / Mid CH / 64QAM



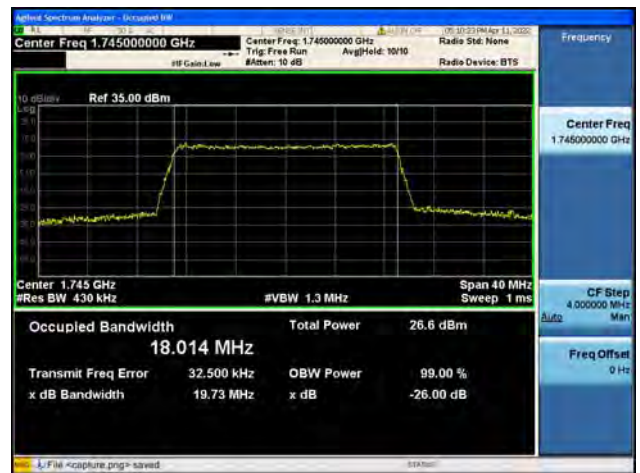
Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM



Band4 / 20MHz / High CH / 64QAM

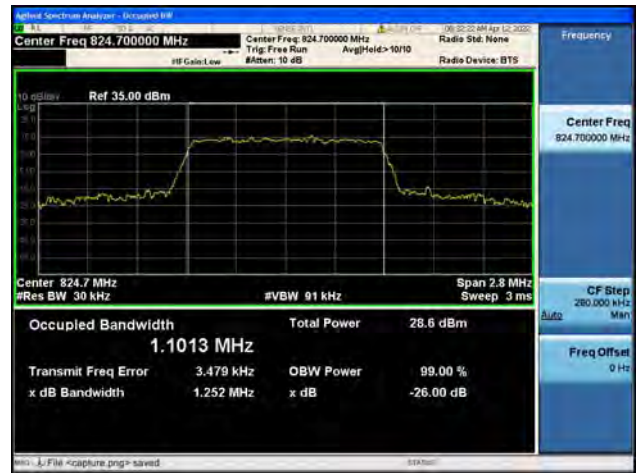




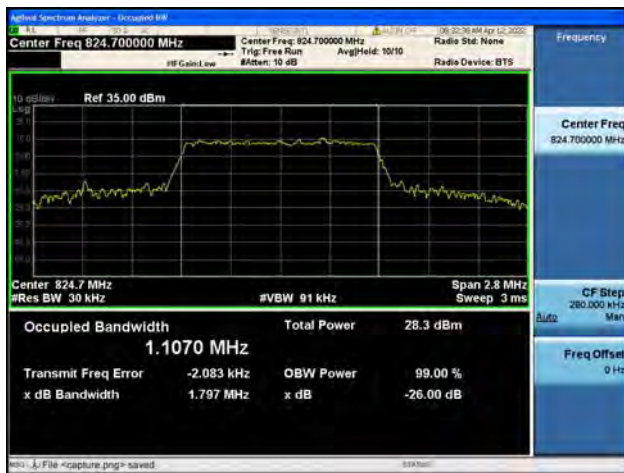
Band5 / 1.4MHz / Low CH / QPSK



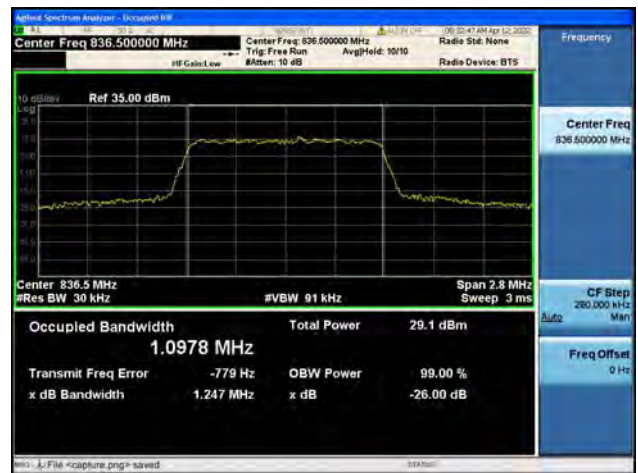
Band5 / 1.4MHz / Low CH / 16QAM



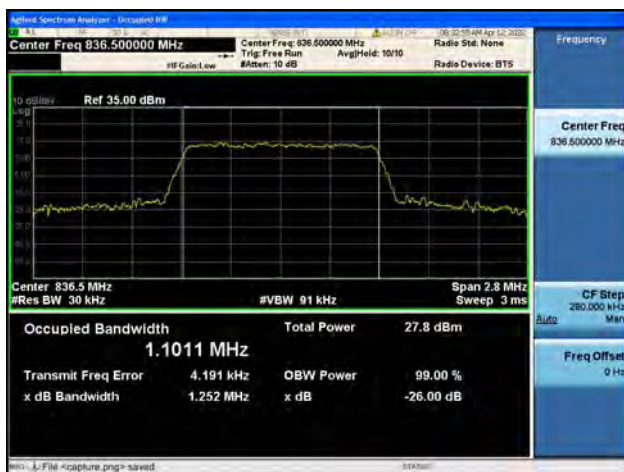
Band5 / 1.4MHz / Low CH / 64QAM



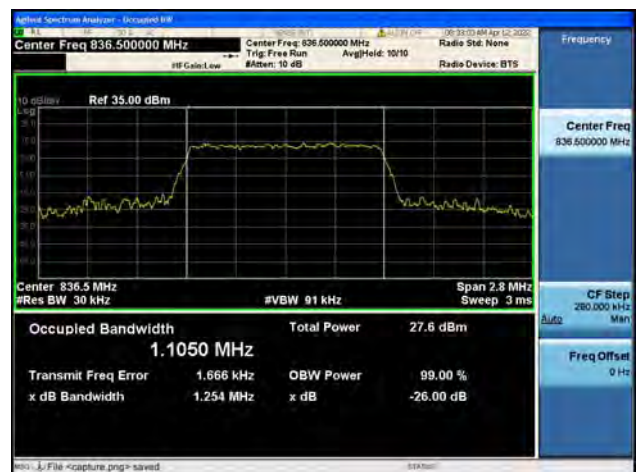
Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM

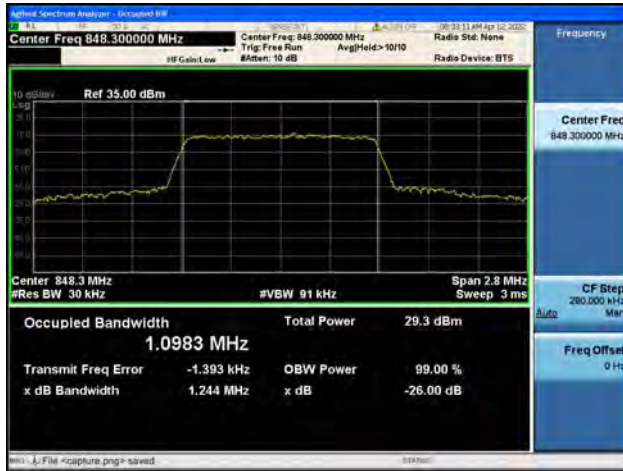


Band5 / 1.4MHz / Mid CH / 64QAM

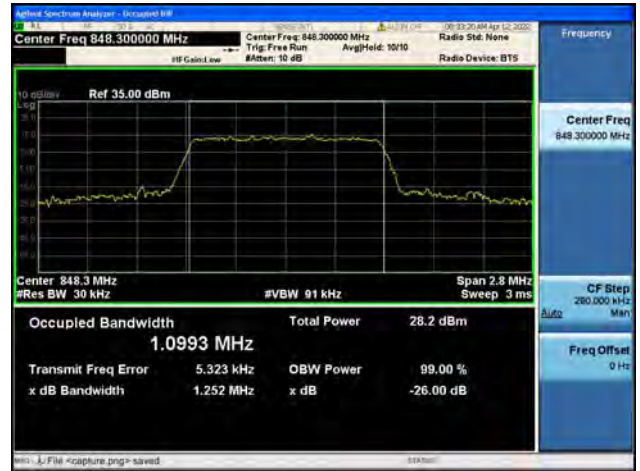




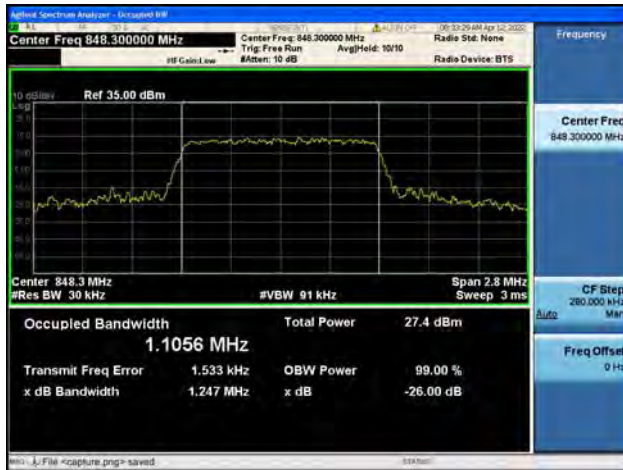
Band5 / 1.4MHz / High CH / QPSK



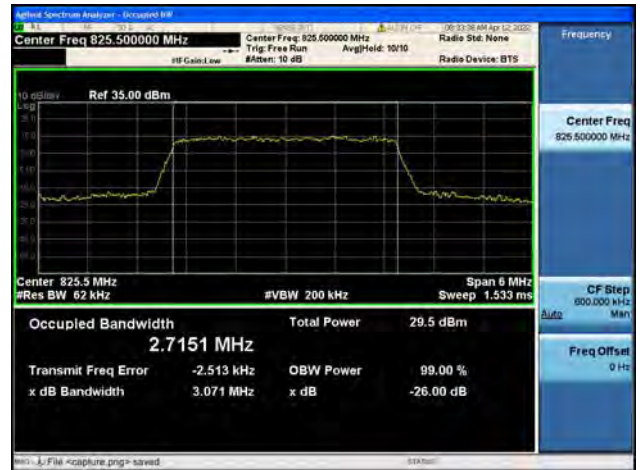
Band5 / 1.4MHz / High CH / 16QAM



Band5 / 1.4MHz / High CH / 64QAM



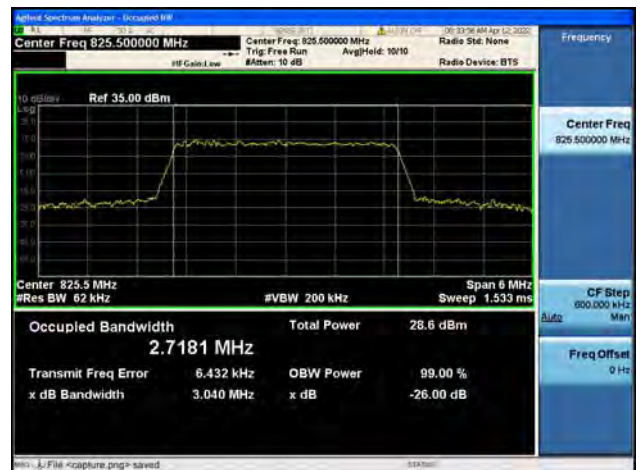
Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM

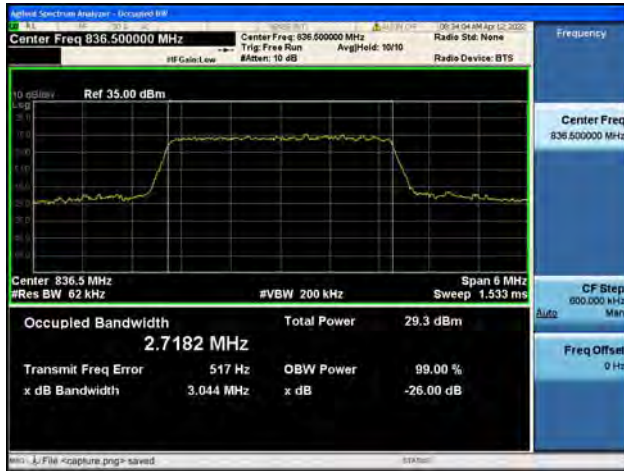


Band5 / 3MHz / Low CH / 64QAM





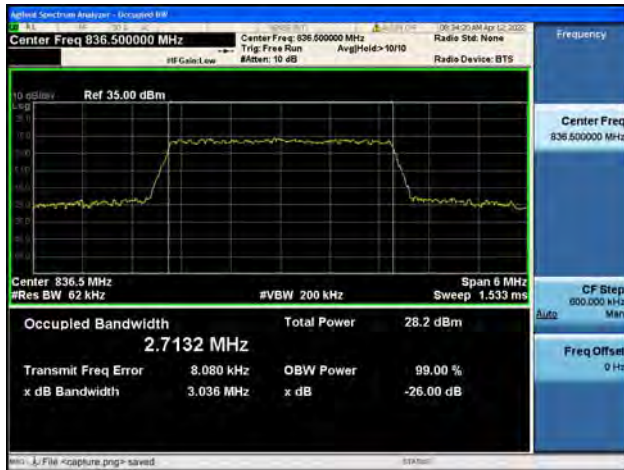
Band5 / 3MHz / Mid CH / QPSK



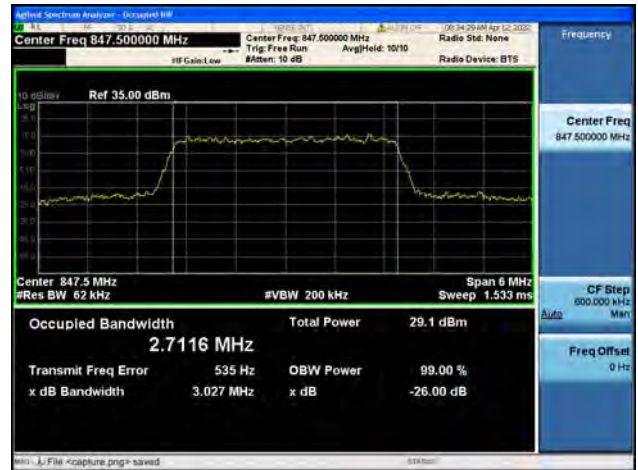
Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / Mid CH / 64QAM



Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM

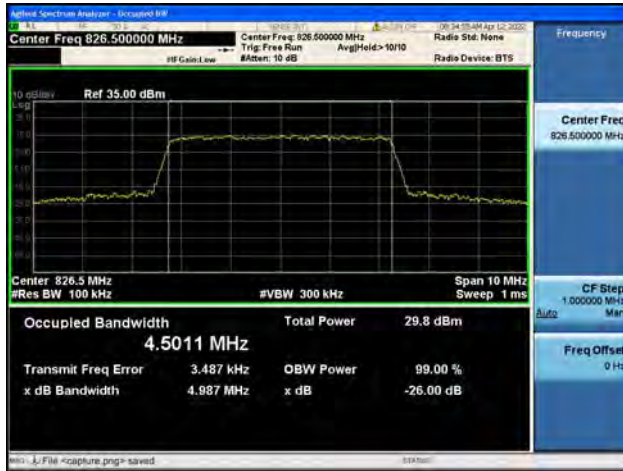


Band5 / 3MHz / High CH / 64QAM

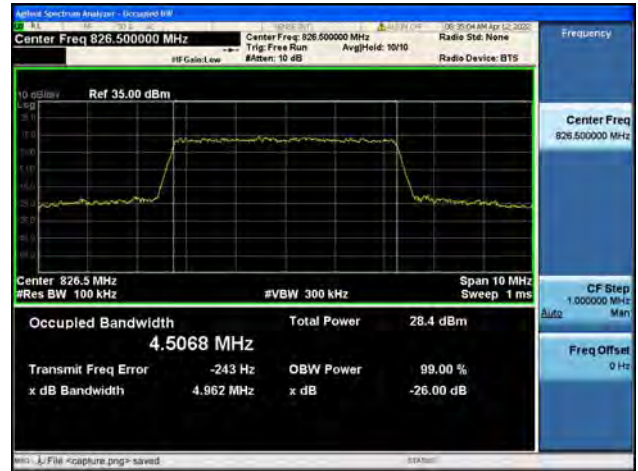




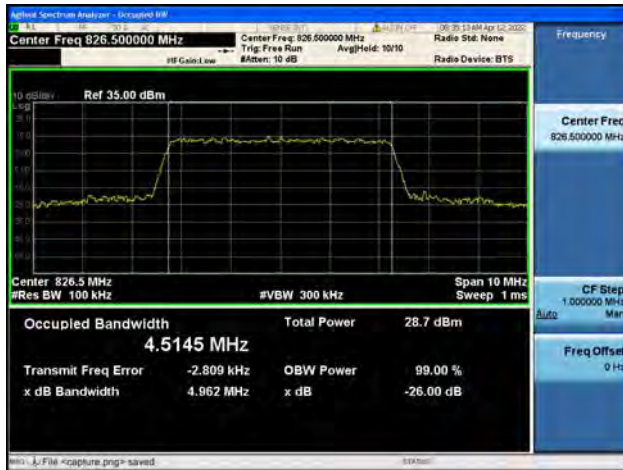
Band5 / 5MHz / Low CH / QPSK



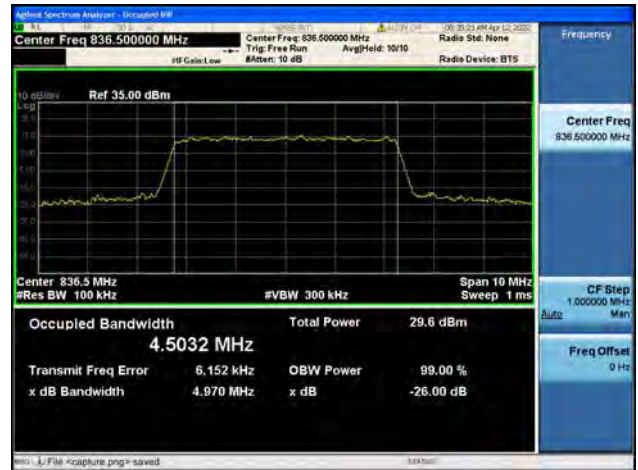
Band5 / 5MHz / Low CH / 16QAM



Band5 / 5MHz / Low CH / 64QAM



Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM

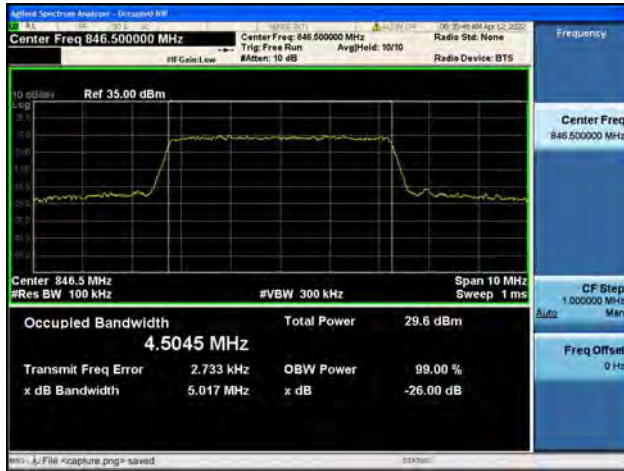


Band5 / 5MHz / Mid CH / 64QAM





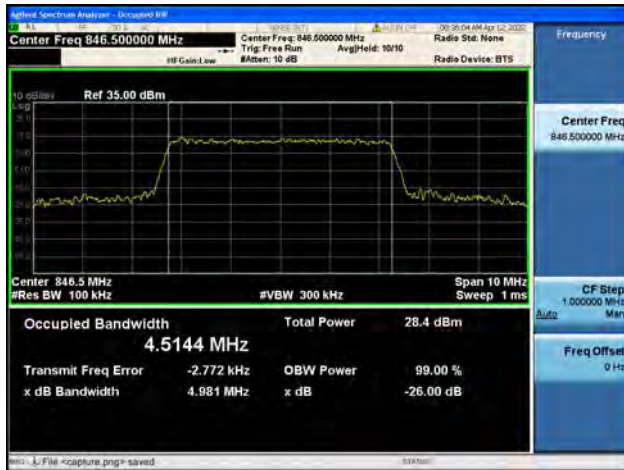
Band5 / 5MHz / High CH / QPSK



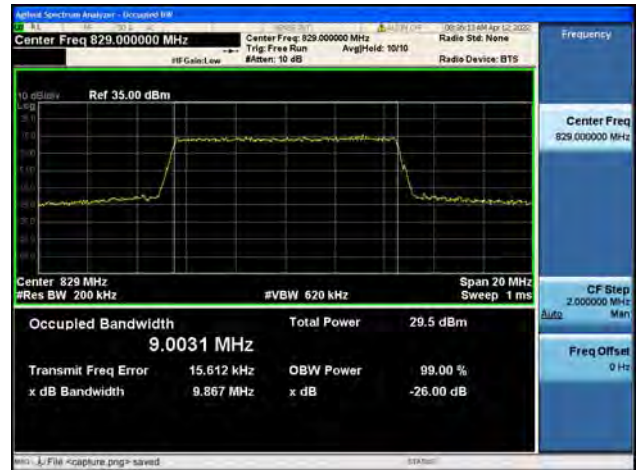
Band5 / 5MHz / High CH / 16QAM



Band5 / 5MHz / High CH / 64QAM



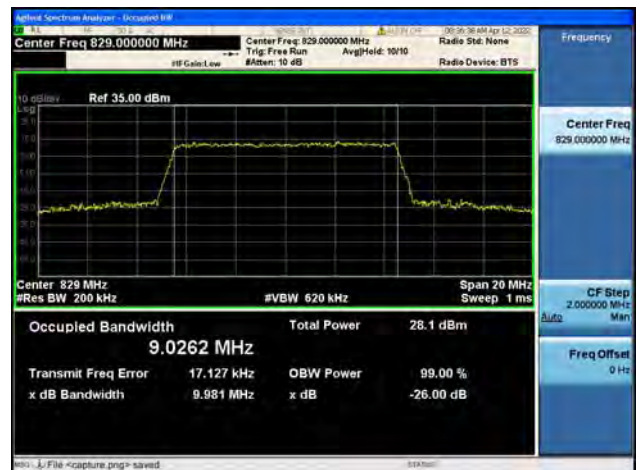
Band5 / 10MHz / Low CH / QPSK



Band5 / 10MHz / Low CH / 16QAM

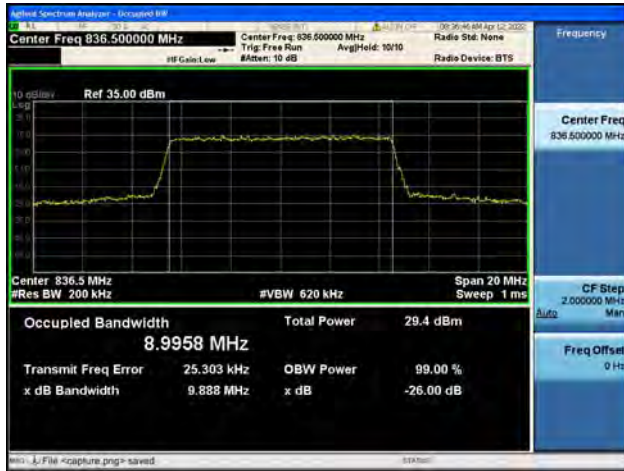


Band5 / 10MHz / Low CH / 64QAM

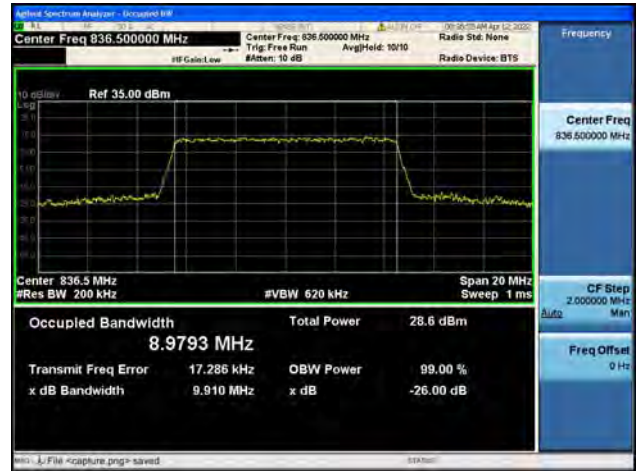




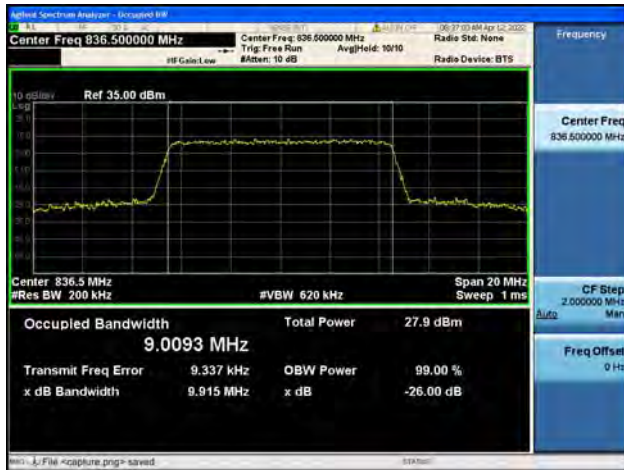
Band5 / 10MHz / Mid CH / QPSK



Band5 / 10MHz / Mid CH / 16QAM



Band5 / 10MHz / Mid CH / 64QAM



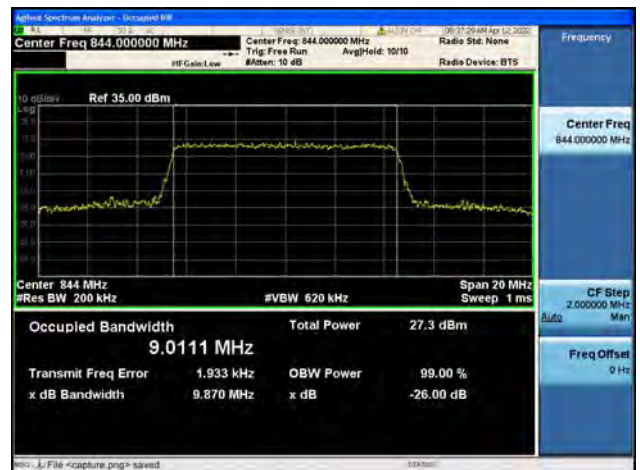
Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM



Band5 / 10MHz / High CH / 64QAM





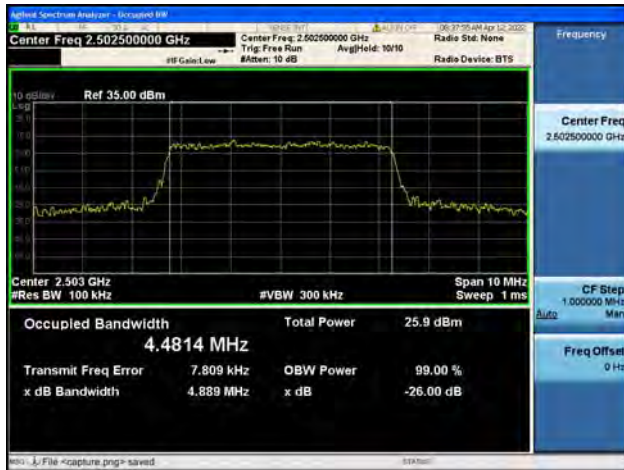
Band7 / 5MHz / Low CH / QPSK



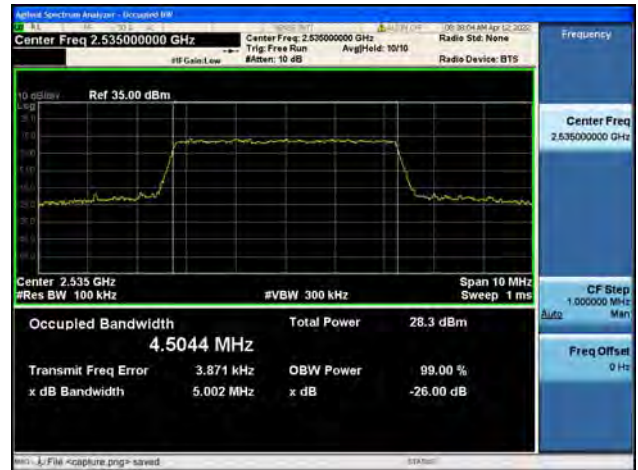
Band7 / 5MHz / Low CH / 16QAM



Band7 / 5MHz / Low CH / 64QAM



Band7 / 5MHz / Mid CH / QPSK



Band7 / 5MHz / Mid CH / 16QAM

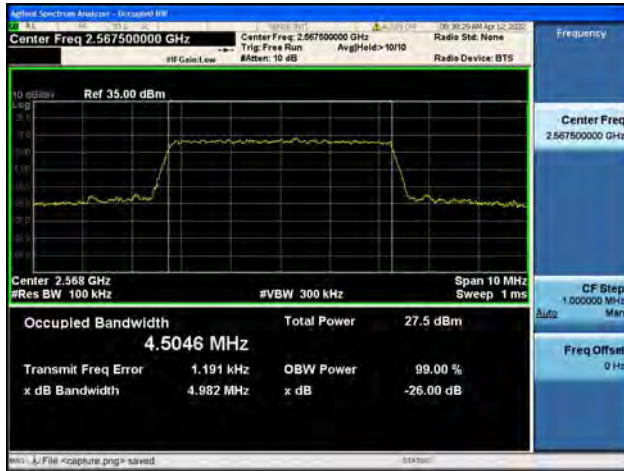


Band7 / 5MHz / Mid CH / 64QAM

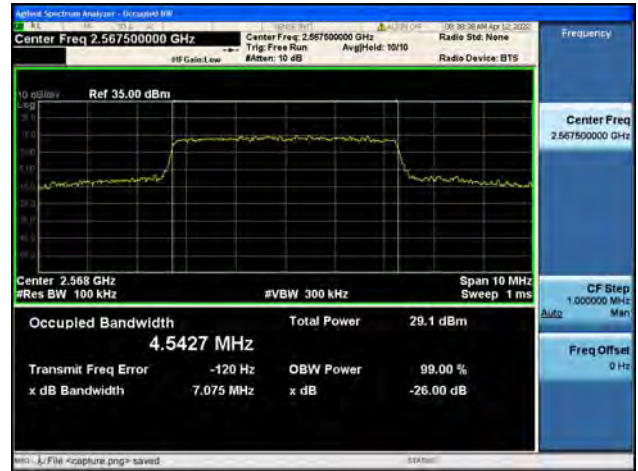




Band7 / 5MHz / High CH / QPSK



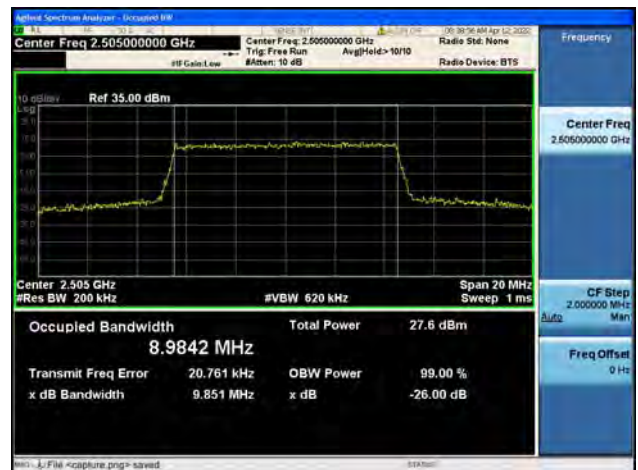
Band7 / 5MHz / High CH / 16QAM



Band7 / 5MHz / High CH / 64QAM



Band7 / 10MHz / Low CH / QPSK



Band7 / 10MHz / Low CH / 16QAM

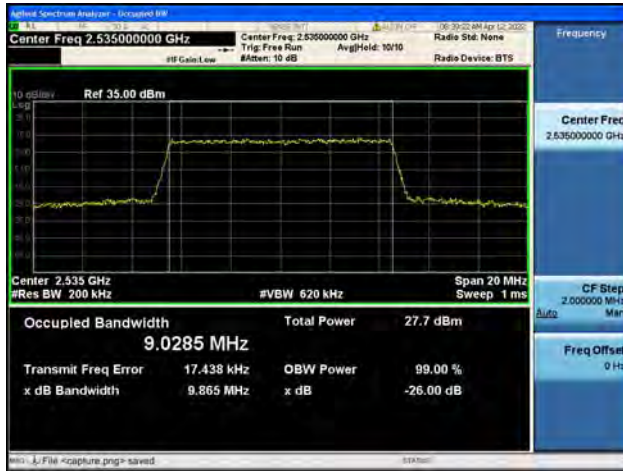


Band7 / 10MHz / Low CH / 64QAM





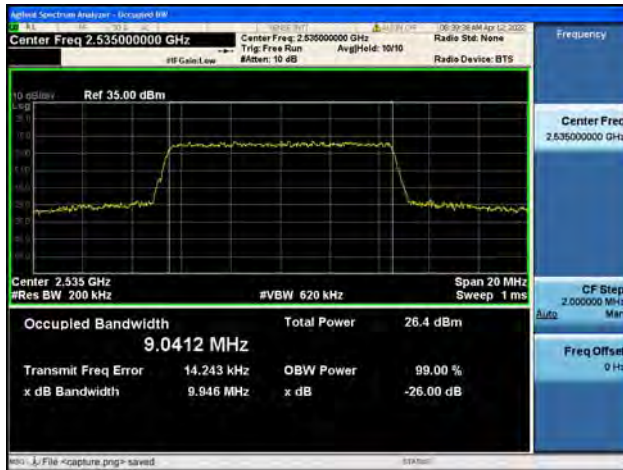
Band7 / 10MHz / Mid CH / QPSK



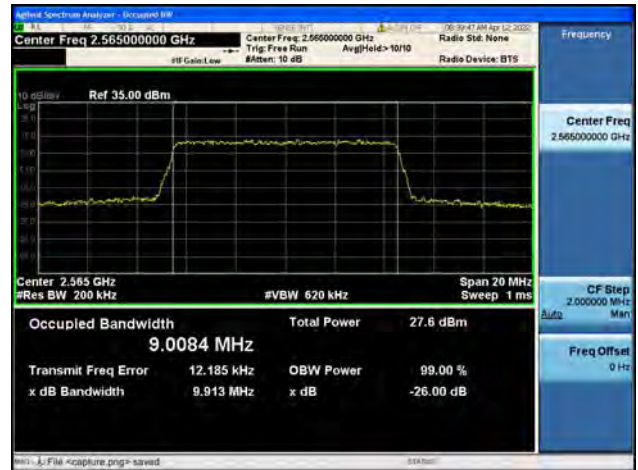
Band7 / 10MHz / Mid CH / 16QAM



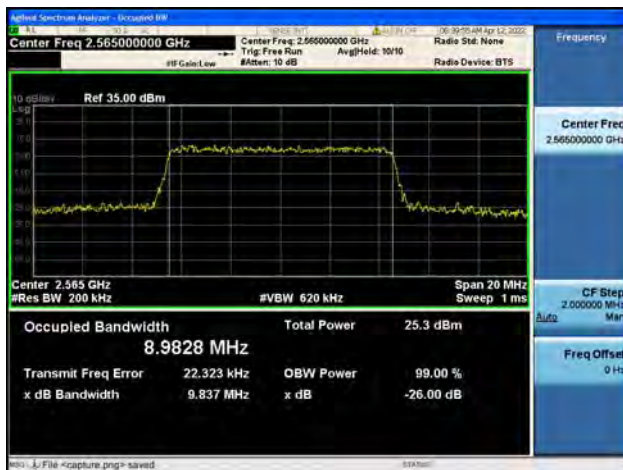
Band7 / 10MHz / Mid CH / 64QAM



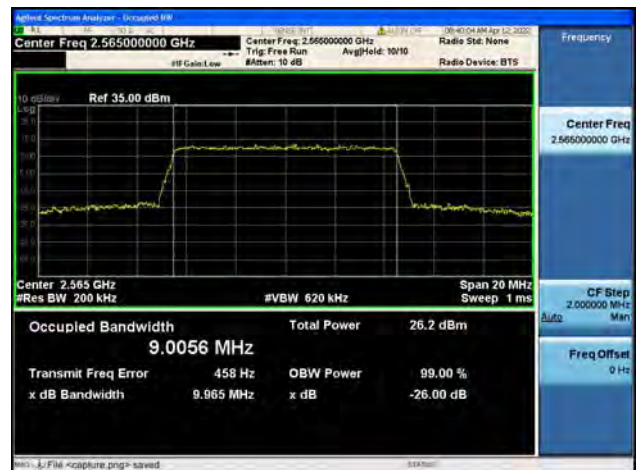
Band7 / 10MHz / High CH / QPSK



Band7 / 10MHz / High CH / 16QAM

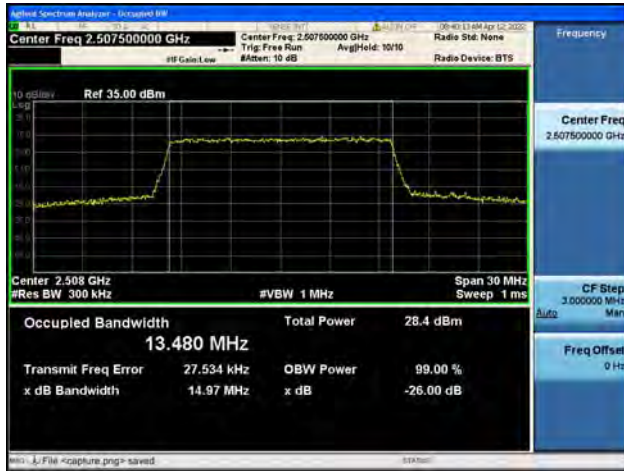


Band7 / 10MHz / High CH / 64QAM





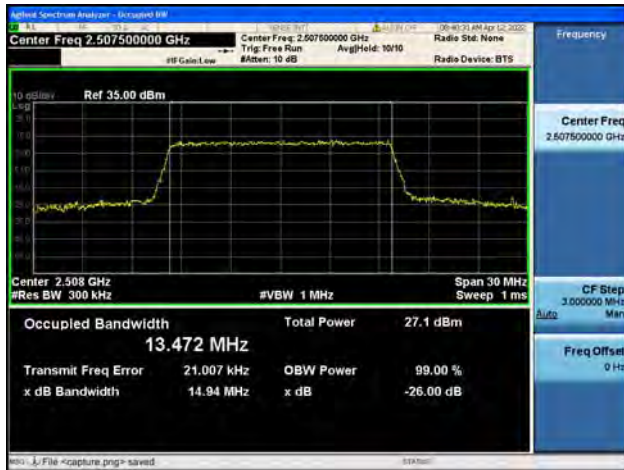
Band7 / 15MHz / Low CH / QPSK



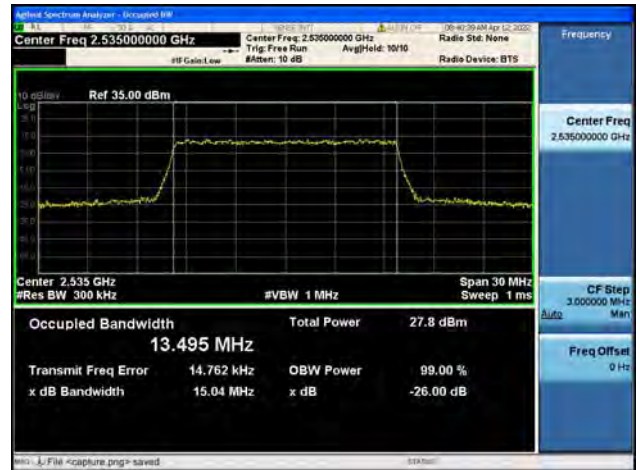
Band7 / 15MHz / Low CH / 16QAM



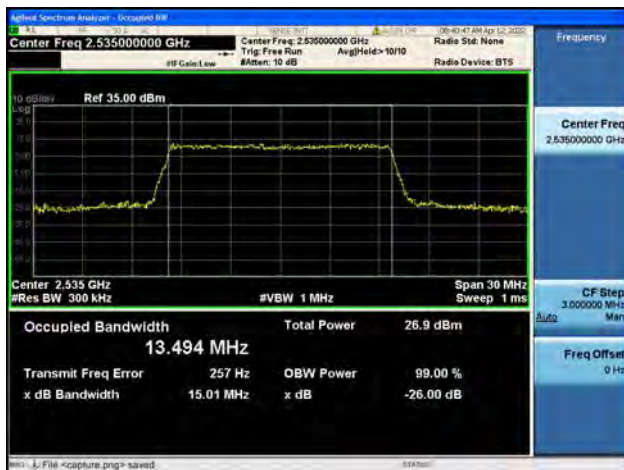
Band7 / 15MHz / Low CH / 64QAM



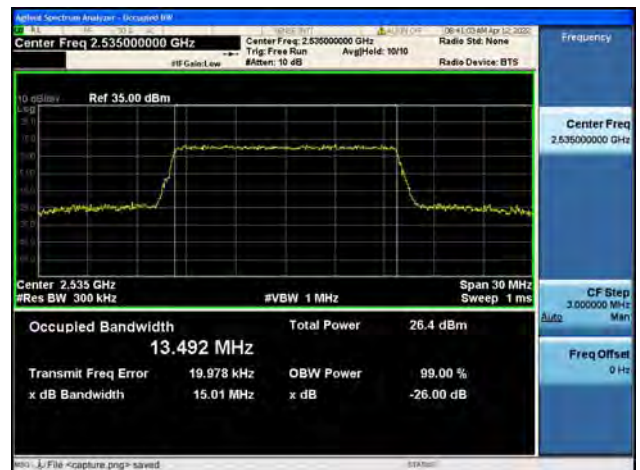
Band7 / 15MHz / Mid CH / QPSK



Band7 / 15MHz / Mid CH / 16QAM

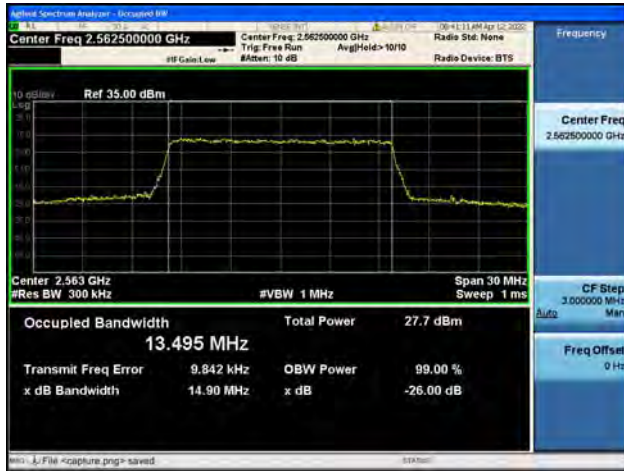


Band7 / 15MHz / Mid CH / 64QAM





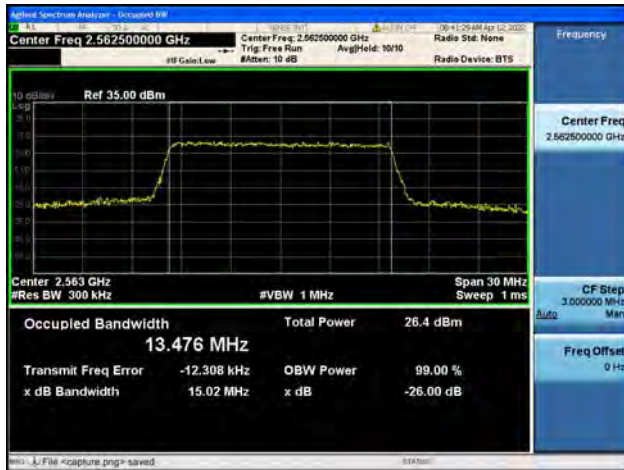
Band7 / 15MHz / High CH / QPSK



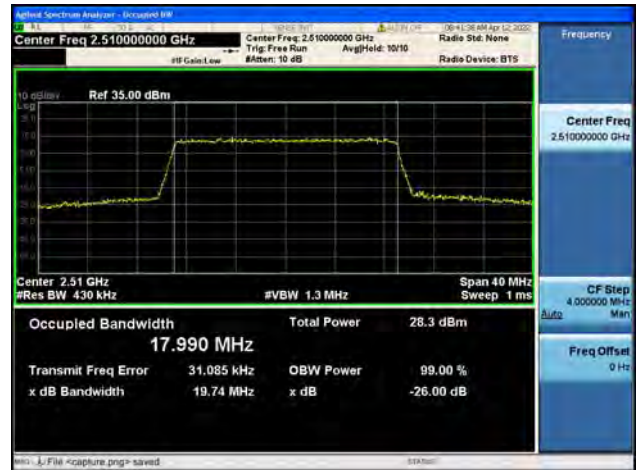
Band7 / 15MHz / High CH / 16QAM



Band7 / 15MHz / High CH / 64QAM



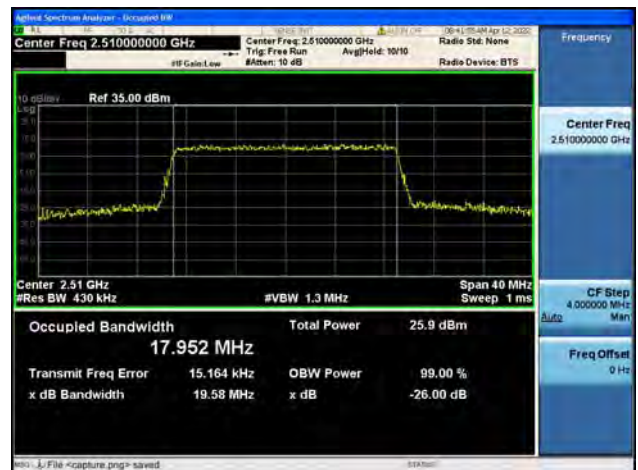
Band7 / 20MHz / Low CH / QPSK



Band7 / 20MHz / Low CH / 16QAM

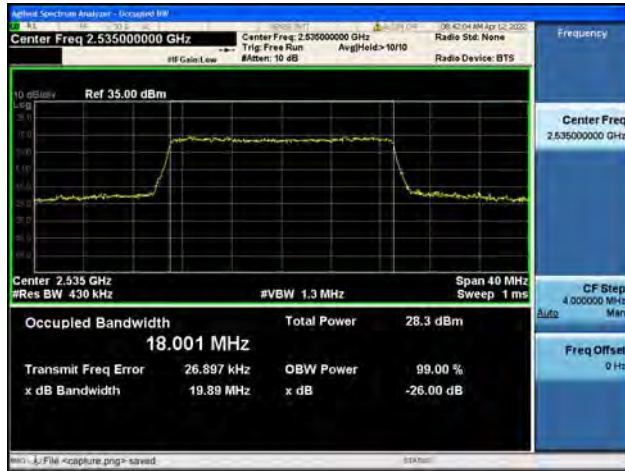


Band7 / 20MHz / Low CH / 64QAM

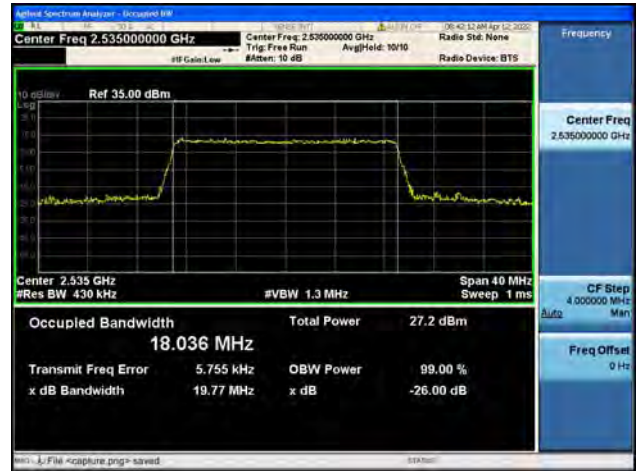




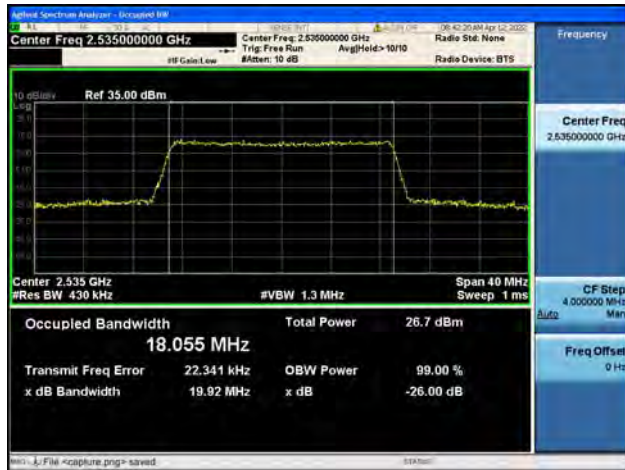
Band7 / 20MHz / Mid CH / QPSK



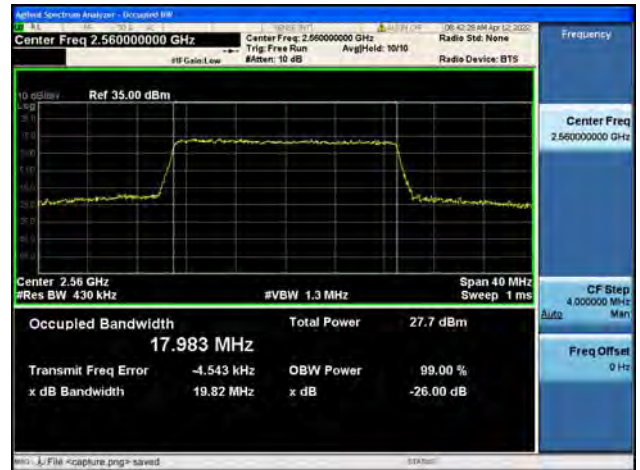
Band7 / 20MHz / Mid CH / 16QAM



Band7 / 20MHz / Mid CH / 64QAM



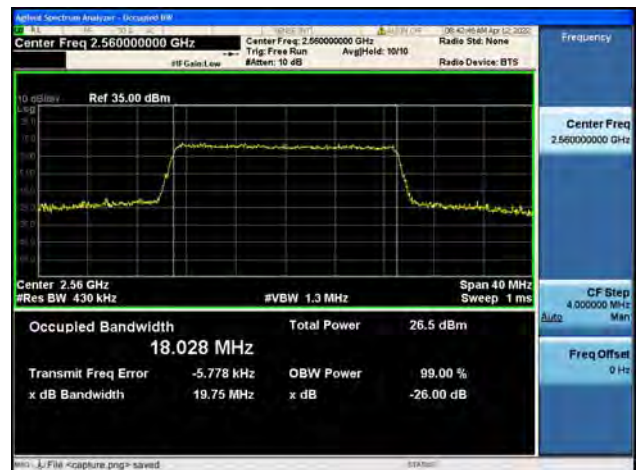
Band7 / 20MHz / High CH / QPSK



Band7 / 20MHz / High CH / 16QAM

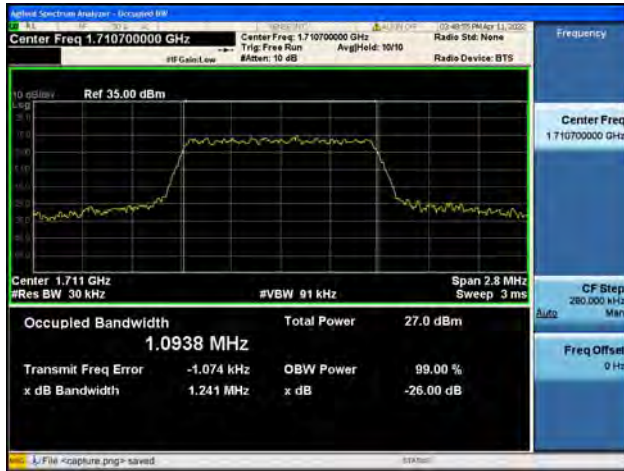


Band7 / 20MHz / High CH / 64QAM

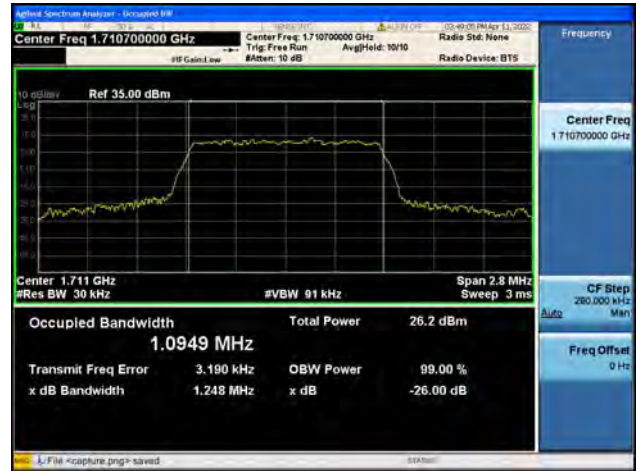




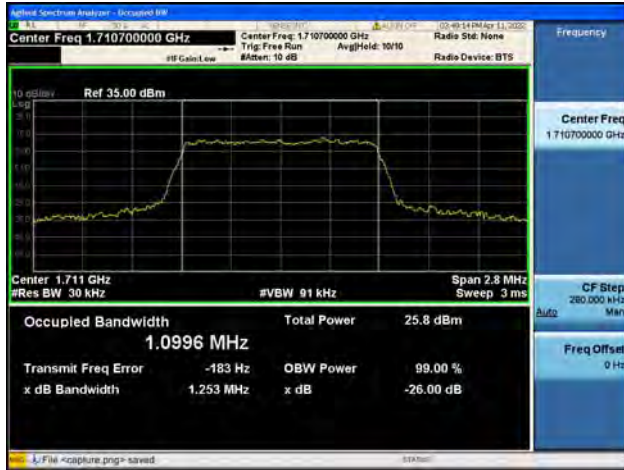
Band66 / 1.4MHz / Low CH / QPSK



Band66 / 1.4MHz / Low CH / 16QAM



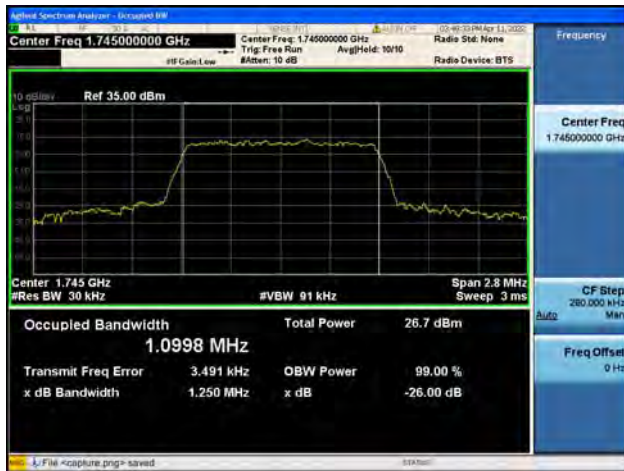
Band66 / 1.4MHz / Low CH / 64QAM



Band66 / 1.4MHz / Mid CH / QPSK



Band66 / 1.4MHz / Mid CH / 16QAM

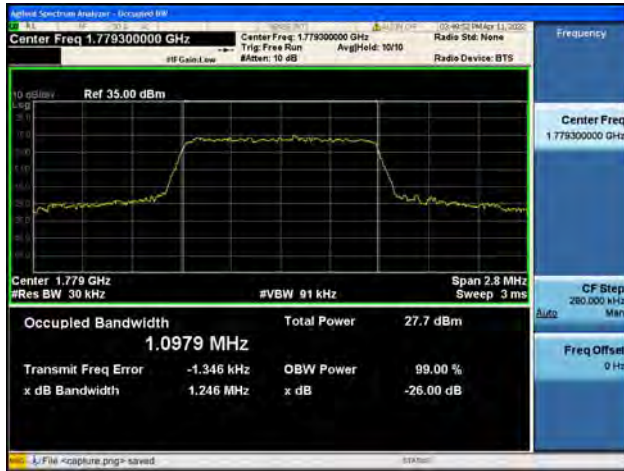


Band66 / 1.4MHz / Mid CH / 64QAM

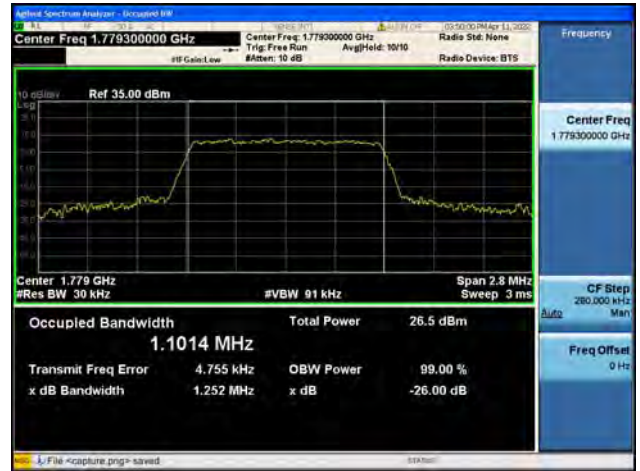




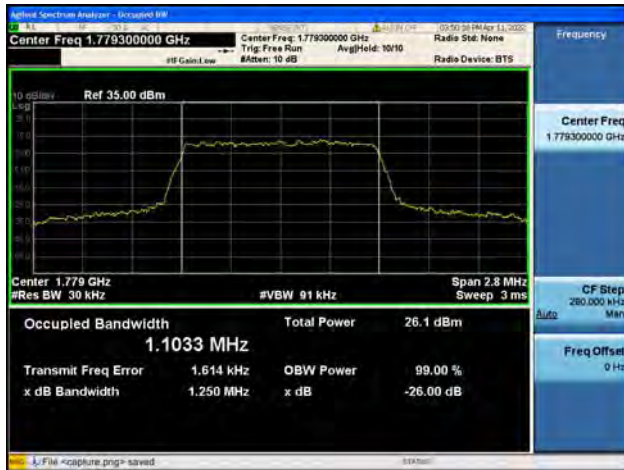
Band66 / 1.4MHz / High CH / QPSK



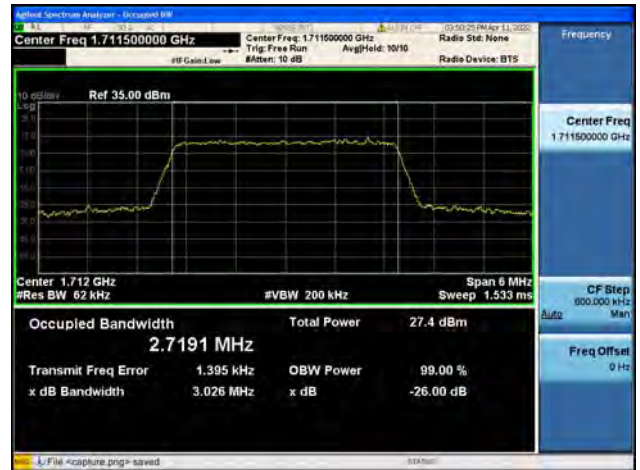
Band66 / 1.4MHz / High CH / 16QAM



Band66 / 1.4MHz / High CH / 64QAM



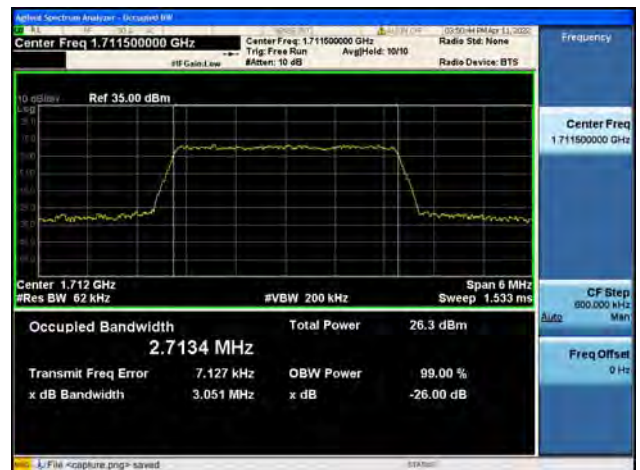
Band66 / 3MHz / Low CH / QPSK



Band66 / 3MHz / Low CH / 16QAM

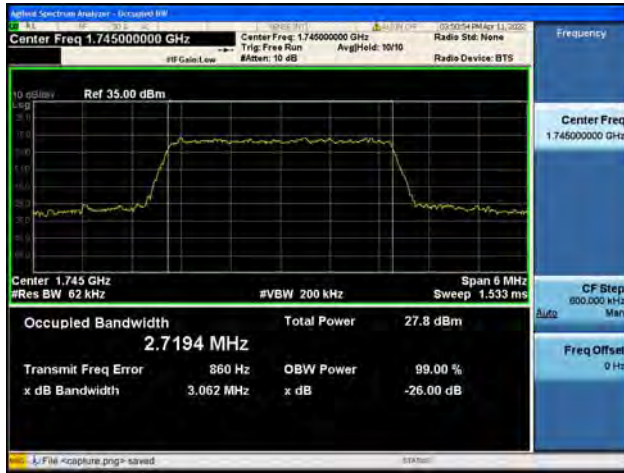


Band66 / 3MHz / Low CH / 64QAM





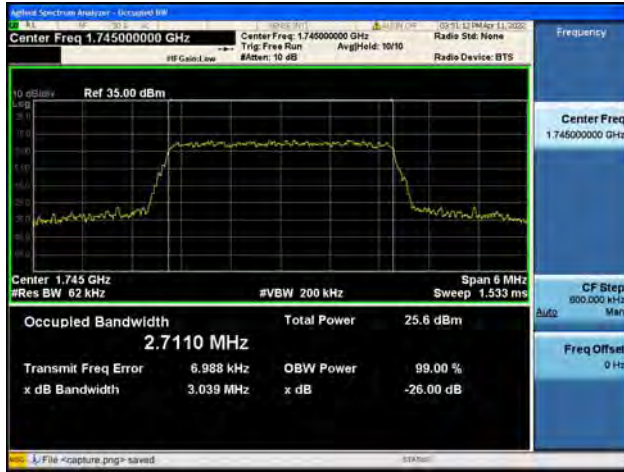
Band66 / 3MHz / Mid CH / QPSK



Band66 / 3MHz / Mid CH / 16QAM



Band66 / 3MHz / Mid CH / 64QAM



Band66 / 3MHz / High CH / QPSK



Band66 / 3MHz / High CH / 16QAM

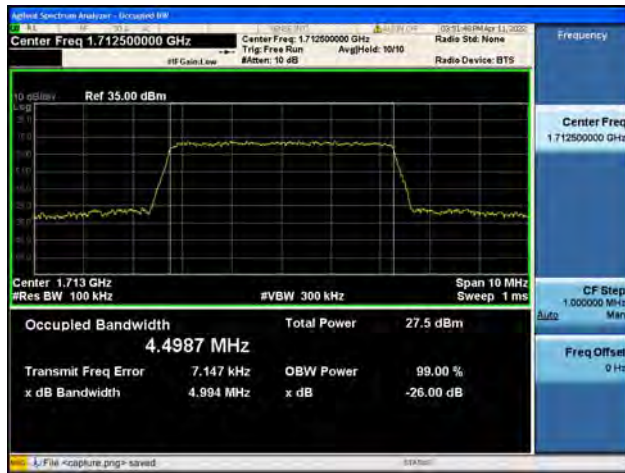


Band66 / 3MHz / High CH / 64QAM

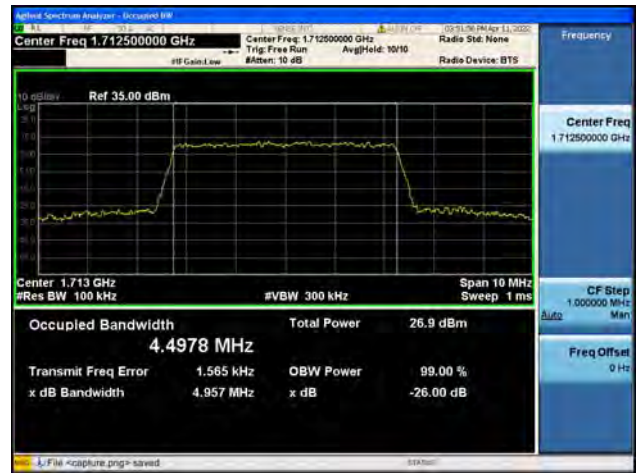




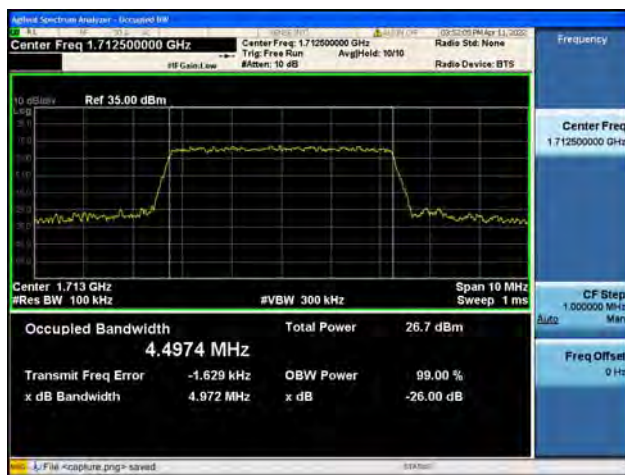
Band66 / 5MHz / Low CH / QPSK



Band66 / 5MHz / Low CH / 16QAM



Band66 / 5MHz / Low CH / 64QAM



Band66 / 5MHz / Mid CH / QPSK



Band66 / 5MHz / Mid CH / 16QAM

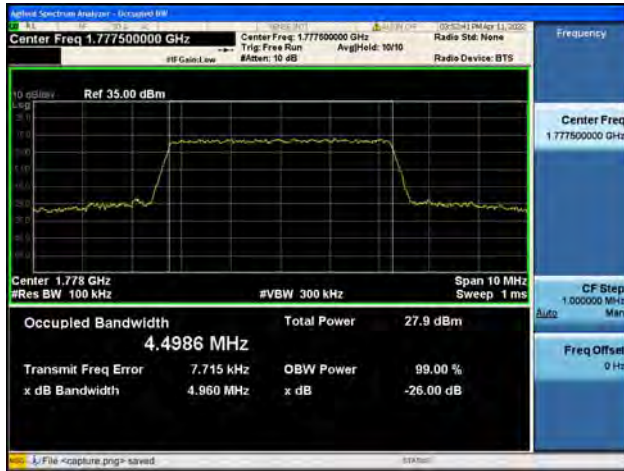


Band66 / 5MHz / Mid CH / 64QAM





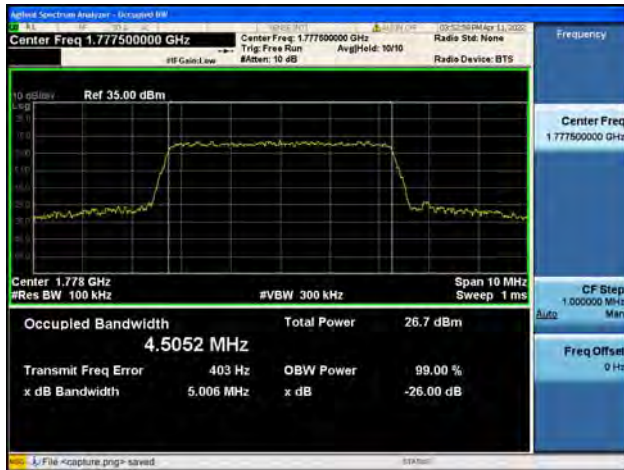
Band66 / 5MHz / High CH / QPSK



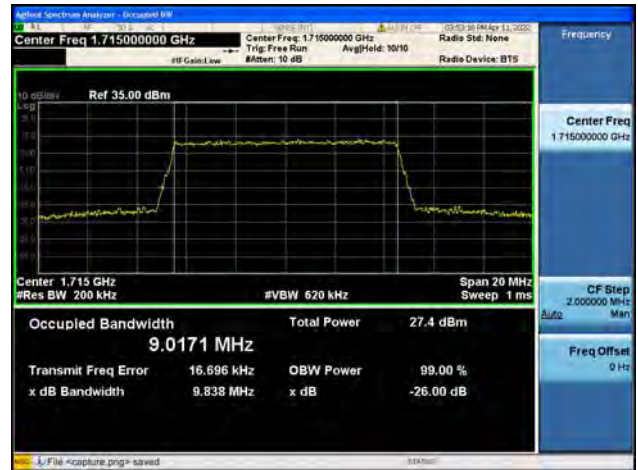
Band66 / 5MHz / High CH / 16QAM



Band66 / 5MHz / High CH / 64QAM



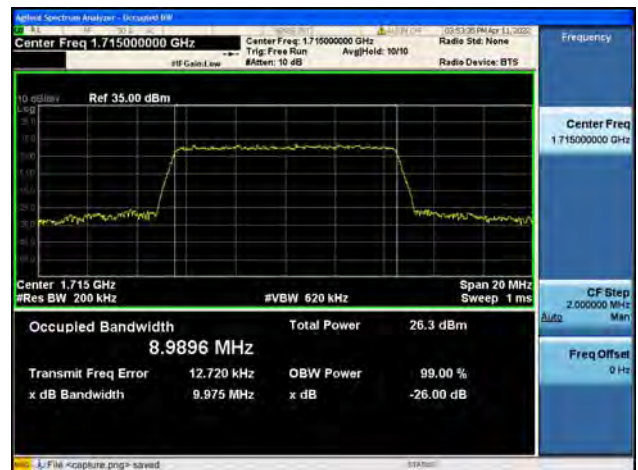
Band66 / 10MHz / Low CH / QPSK



Band66 / 10MHz / Low CH / 16QAM

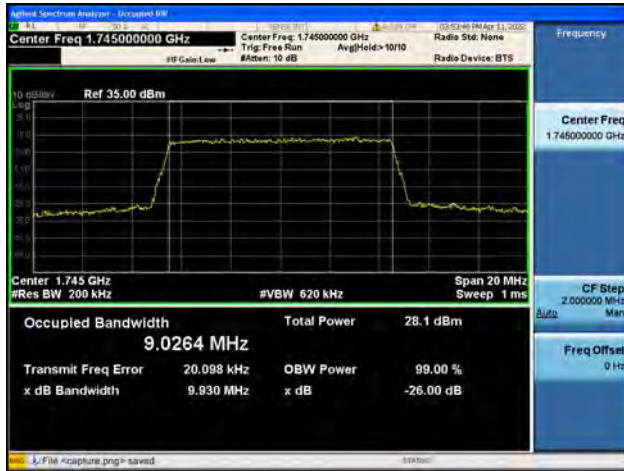


Band66 / 10MHz / Low CH / 64QAM

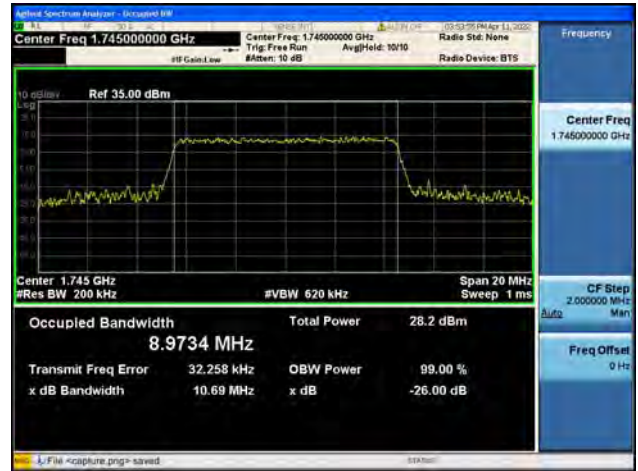




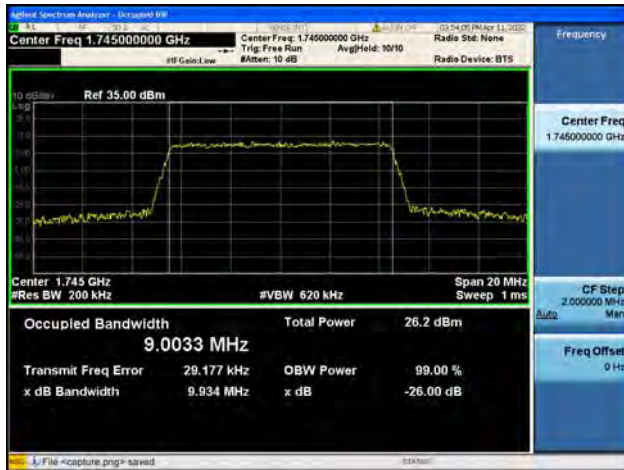
Band66 / 10MHz / Mid CH / QPSK



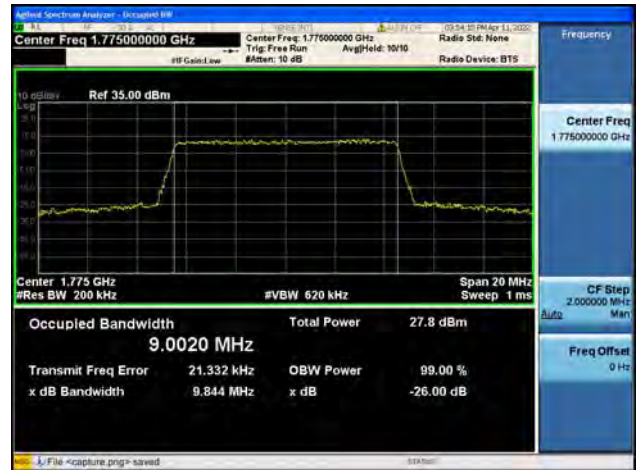
Band66 / 10MHz / Mid CH / 16QAM



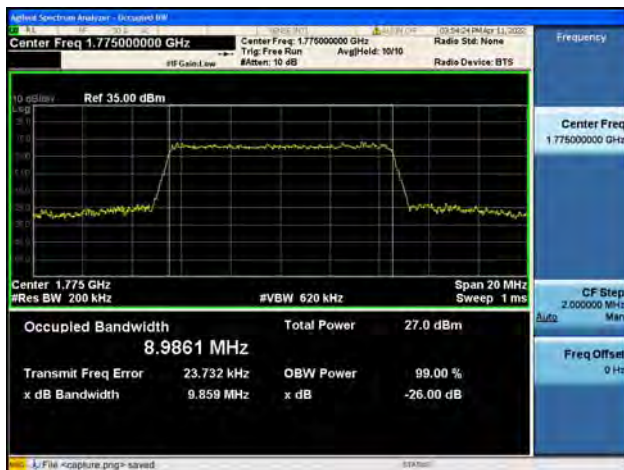
Band66 / 10MHz / Mid CH / 64QAM



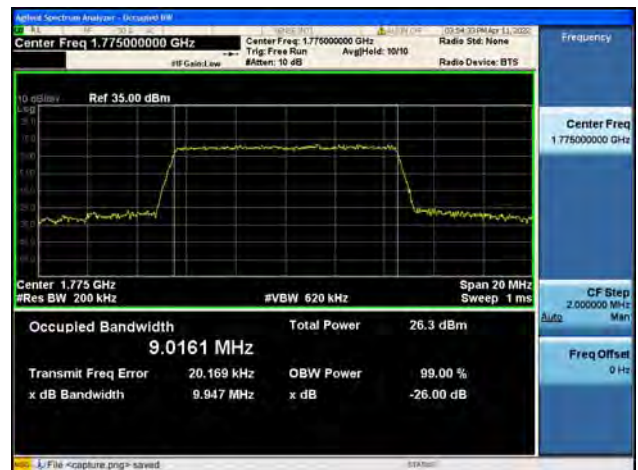
Band66 / 10MHz / High CH / QPSK



Band66 / 10MHz / High CH / 16QAM

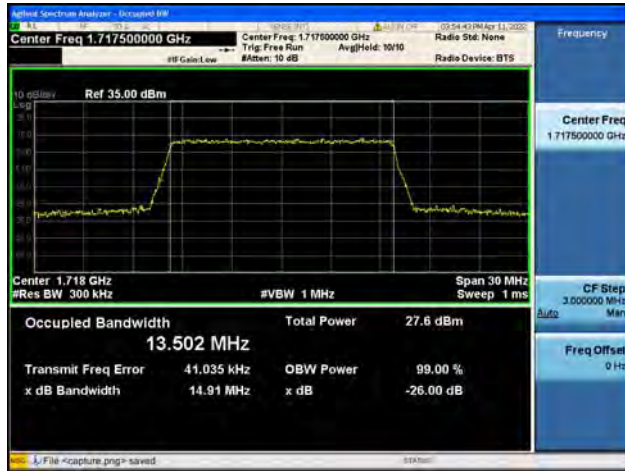


Band66 / 10MHz / High CH / 64QAM

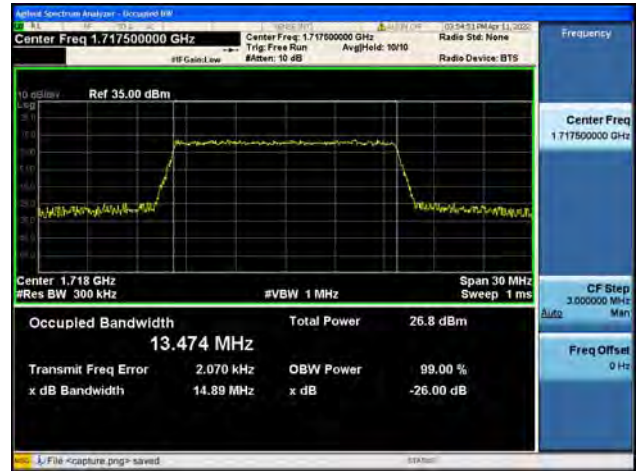




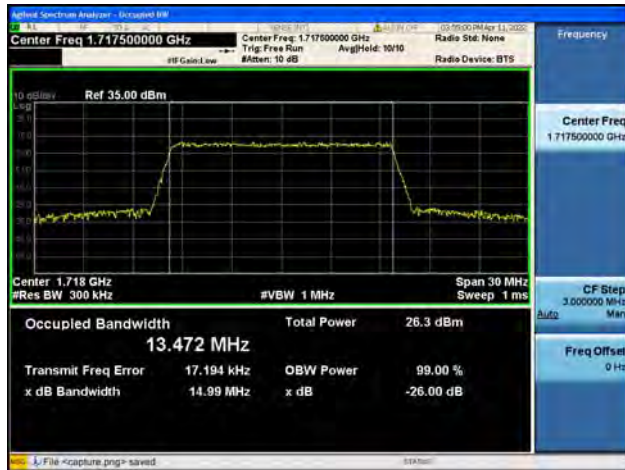
Band66 / 15MHz / Low CH / QPSK



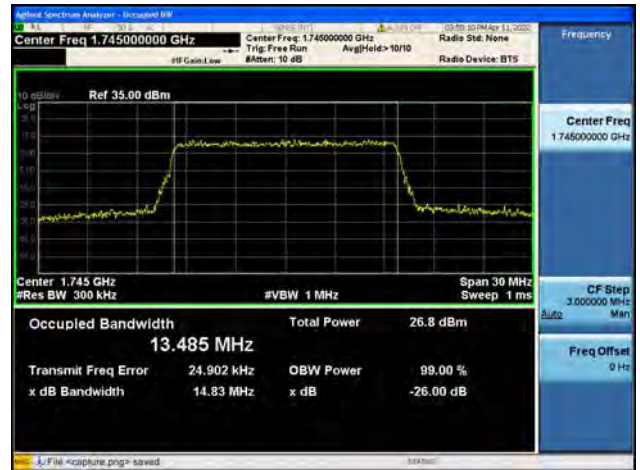
Band66 / 15MHz / Low CH / 16QAM



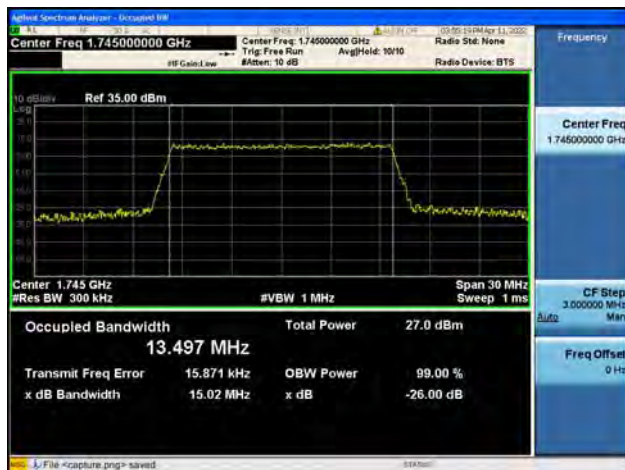
Band66 / 15MHz / Low CH / 64QAM



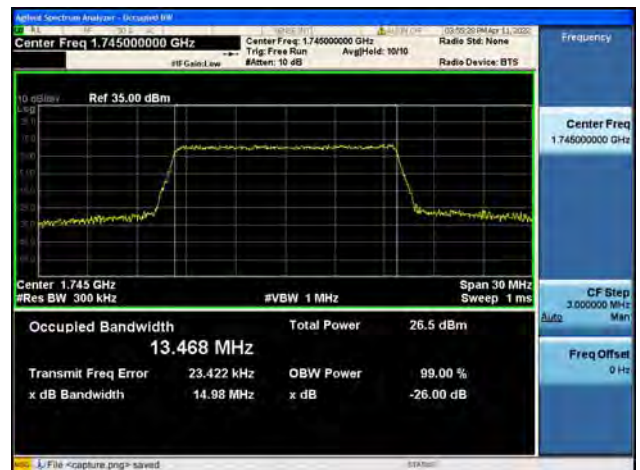
Band66 / 15MHz / Mid CH / QPSK



Band66 / 15MHz / Mid CH / 16QAM

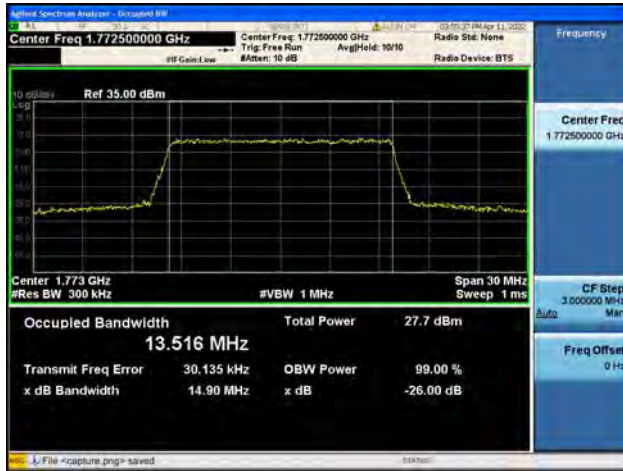


Band66 / 15MHz / Mid CH / 64QAM

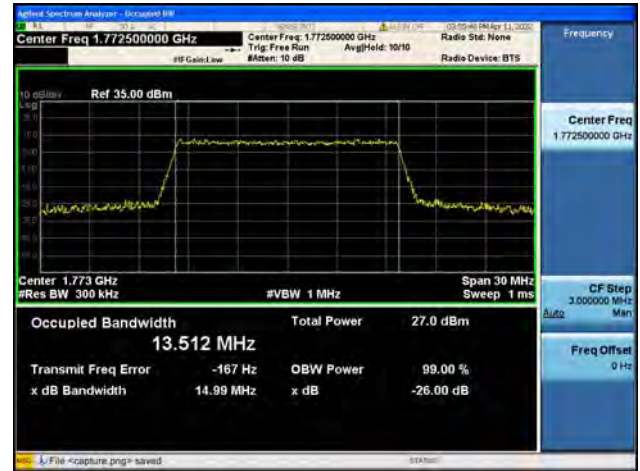




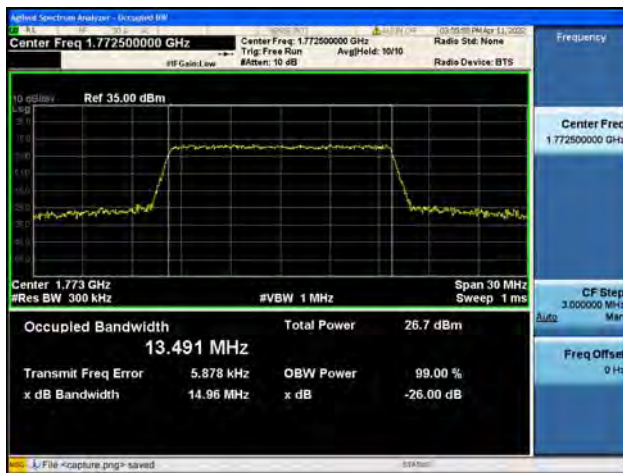
Band66 / 15MHz / High CH / QPSK



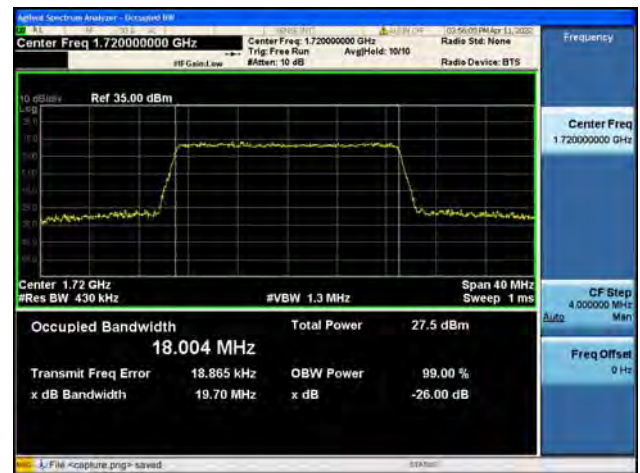
Band66 / 15MHz / High CH / 16QAM



Band66 / 15MHz / High CH / 64QAM



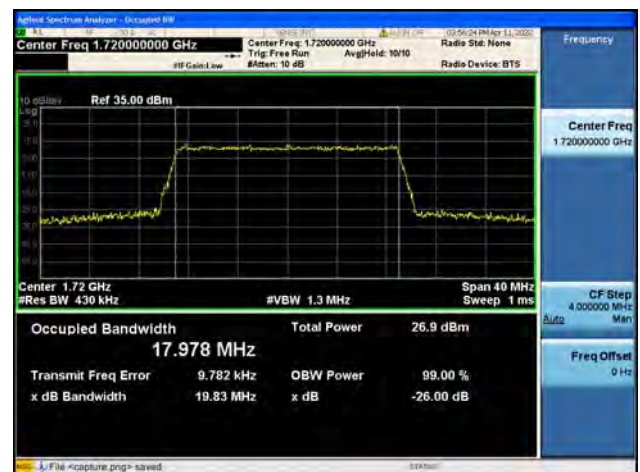
Band66 / 20MHz / Low CH / QPSK



Band66 / 20MHz / Low CH / 16QAM

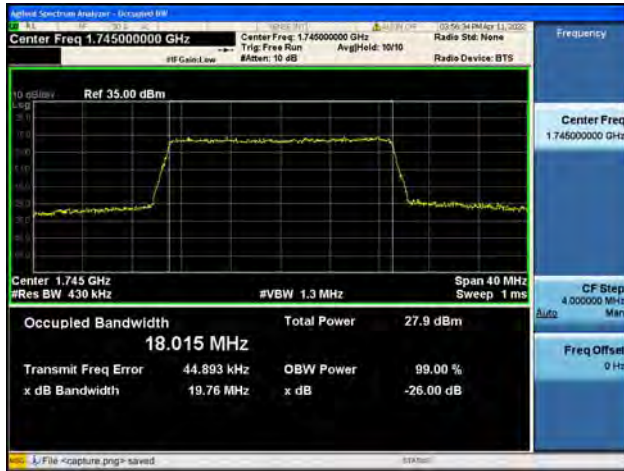


Band66 / 20MHz / Low CH / 64QAM

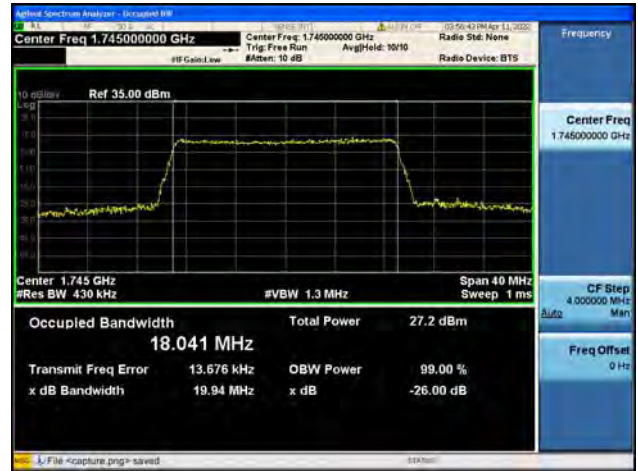




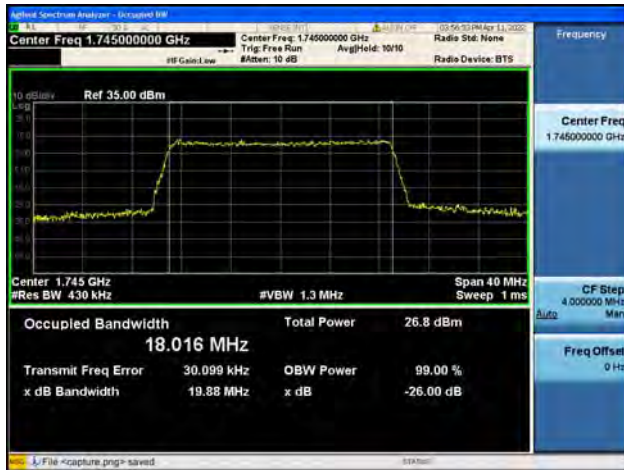
Band66 / 20MHz / Mid CH / QPSK



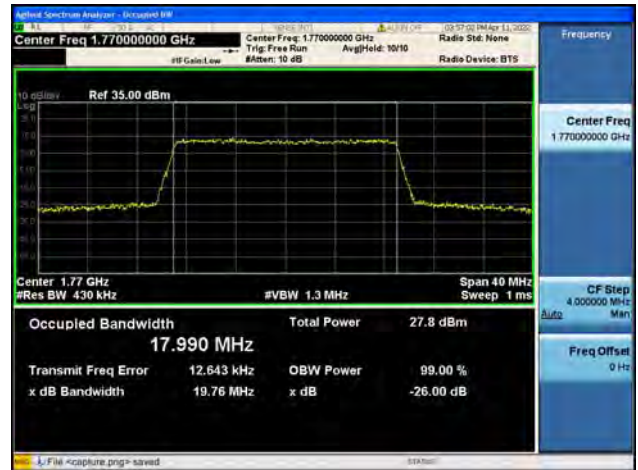
Band66 / 20MHz / Mid CH / 16QAM



Band66 / 20MHz / Mid CH / 64QAM



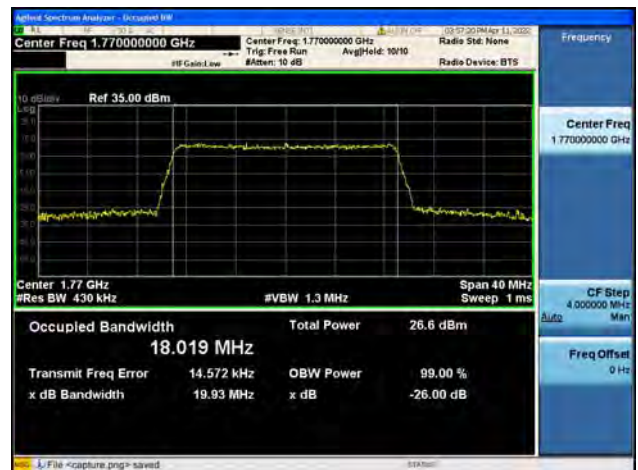
Band66 / 20MHz / High CH / QPSK



Band66 / 20MHz / High CH / 16QAM



Band66 / 20MHz / High CH / 64QAM



2.3. Frequency Stability

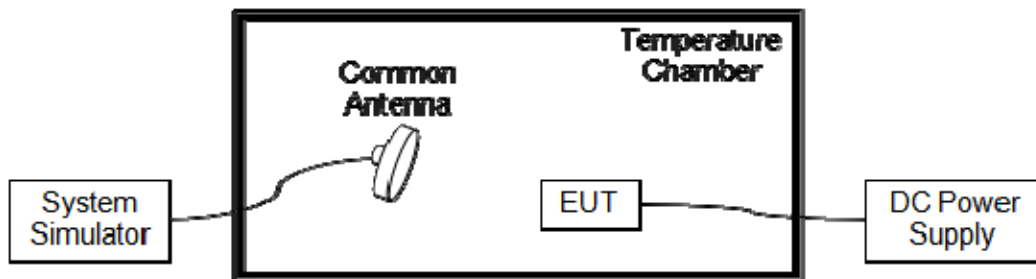
2.3.1. Requirement

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

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

Note: The operating temperature of EUT is from -20°C to 60°C , which are specified by the applicant.

2.3.2. Test Description



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

2.3.3. Test Procedure

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



2.3.4. Test Result

The nominal, highest and lowest extreme voltages are separately 3.80V, 4.35V and 3.60V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 2, QPSK, Channel 18900, Frequency 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-17	-0.009	PASS
Normal		-20	26	0.014	
Normal		-10	-46	-0.024	
Normal		0	48	0.026	
Normal		+10	-47	-0.025	
Normal		+20	46	0.024	
Normal		+30	52	0.028	
Normal		+40	-30	-0.016	
Normal		+50	-28	-0.015	
Normal		+60	31	0.016	
High	4.35	+20	40	0.021	
BATT.ENDPOINT	3.60	+20	-43	-0.023	

LTE Band 4, QPSK, Channel 20175, Frequency 1732.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	31	0.018	PASS
Normal		-20	27	0.016	
Normal		-10	22	0.013	
Normal		0	-39	-0.023	
Normal		+10	-15	-0.009	
Normal		+20	-27	-0.016	
Normal		+30	27	0.016	
Normal		+40	-46	-0.027	
Normal		+50	22	0.013	
Normal		+60	36	0.021	
High	4.35	+20	-36	-0.021	
BATT.ENDPOINT	3.60	+20	41	0.024	



LTE Band 5, QPSK, Channel 20525, Frequency 836.5MHz					
Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	31	0.018	PASS
Normal		-20	27	0.016	
Normal		-10	22	0.013	
Normal		0	-39	-0.023	
Normal		+10	-15	-0.009	
Normal		+20	-27	-0.016	
Normal		+30	27	0.016	
Normal		+40	-46	-0.027	
Normal		+50	22	0.013	
Normal		+60	36	0.021	
High	4.35	+20	-36	-0.021	
BATT.ENDPOINT	3.60	+20	41	0.024	

LTE Band 7, QPSK, Channel 21100, Frequency 2535MHz					
Limit= Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-13	-0.005	PASS
Normal		-20	-49	-0.019	
Normal		-10	-52	-0.021	
Normal		0	41	0.016	
Normal		+10	-16	-0.006	
Normal		+20	16	0.006	
Normal		+30	21	0.008	
Normal		+40	-45	-0.018	
Normal		+50	40	0.016	
Normal		+60	49	0.019	
High	4.35	+20	-44	-0.017	
BATT.ENDPOINT	3.60	+20	37	0.015	



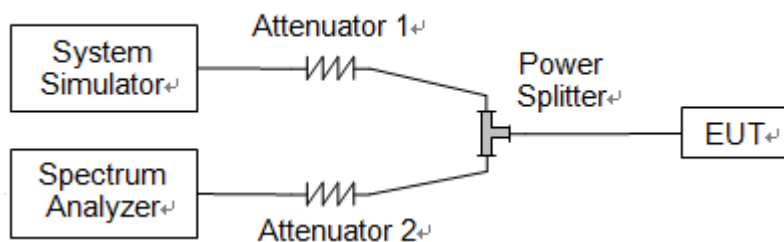
LTE Band 66, QPSK, Channel 132322, Frequency 1745MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	32	0.018	PASS
Normal		-20	16	0.009	
Normal		-10	35	0.020	
Normal		0	36	0.021	
Normal		+10	53	0.030	
Normal		+20	47	0.027	
Normal		+30	-31	-0.018	
Normal		+40	-30	-0.017	
Normal		+50	40	0.023	
Normal		+60	47	0.027	
High	4.35	+20	-13	-0.007	
BATT.ENDPOINT	3.60	+20	25	0.014	

2.4. Peak to Average Ratio

2.4.1. Requirement

According to FCC section 24.232(d) and 27.50(d), the peak to average ratio (PAR) of the transmission may not exceed 13dB.

2.4.2. 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.

2.4.3. Test Procedure

KDB 971168 D01v03 Section 5.7 and ANSI/TIA-603-E-2016.

2.4.4. Test Result

Record the maximum PAPR level associated with a probability of 0.1%.



LTE Band 2					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.16	<=13	PASS
	Low	16QAM	6.12	<=13	PASS
	Low	64QAM	6.22	<=13	PASS
	Mid	QPSK	5.31	<=13	PASS
	Mid	16QAM	6.22	<=13	PASS
	Mid	64QAM	6.24	<=13	PASS
	High	QPSK	4.63	<=13	PASS
	High	16QAM	5.58	<=13	PASS
	High	64QAM	5.72	<=13	PASS
3	Low	QPSK	5.33	<=13	PASS
	Low	16QAM	6.11	<=13	PASS
	Low	64QAM	6.11	<=13	PASS
	Mid	QPSK	5.32	<=13	PASS
	Mid	16QAM	6.09	<=13	PASS
	Mid	64QAM	6.15	<=13	PASS
	High	QPSK	4.81	<=13	PASS
	High	16QAM	5.58	<=13	PASS
	High	64QAM	5.78	<=13	PASS
5	Low	QPSK	5.38	<=13	PASS
	Low	16QAM	5.98	<=13	PASS
	Low	64QAM	6.23	<=13	PASS
	Mid	QPSK	5.38	<=13	PASS
	Mid	16QAM	5.57	<=13	PASS
	Mid	64QAM	6.17	<=13	PASS
	High	QPSK	5.13	<=13	PASS
	High	16QAM	5.58	<=13	PASS
	High	64QAM	5.99	<=13	PASS
10	Low	QPSK	5.44	<=13	PASS
	Low	16QAM	6.10	<=13	PASS
	Low	64QAM	6.22	<=13	PASS
	Mid	QPSK	5.55	<=13	PASS
	Mid	16QAM	6.12	<=13	PASS
	Mid	64QAM	6.24	<=13	PASS
	High	QPSK	4.99	<=13	PASS
	High	16QAM	5.91	<=13	PASS
	High	64QAM	6.07	<=13	PASS



15	Low	QPSK	5.27	<=13	PASS
	Low	16QAM	5.88	<=13	PASS
	Low	64QAM	6.16	<=13	PASS
	Mid	QPSK	5.33	<=13	PASS
	Mid	16QAM	6.00	<=13	PASS
	Mid	64QAM	6.17	<=13	PASS
	High	QPSK	5.02	<=13	PASS
	High	16QAM	5.71	<=13	PASS
	High	64QAM	5.98	<=13	PASS
20	Low	QPSK	5.36	<=13	PASS
	Low	16QAM	6.77	<=13	PASS
	Low	64QAM	6.15	<=13	PASS
	Mid	QPSK	5.44	<=13	PASS
	Mid	16QAM	6.13	<=13	PASS
	Mid	64QAM	6.26	<=13	PASS
	High	QPSK	5.22	<=13	PASS
	High	16QAM	5.75	<=13	PASS
	High	64QAM	6.10	<=13	PASS



LTE Band 4					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.22	<=13	PASS
	Low	16QAM	6.04	<=13	PASS
	Low	64QAM	6.13	<=13	PASS
	Mid	QPSK	5.59	<=13	PASS
	Mid	16QAM	6.35	<=13	PASS
	Mid	64QAM	6.43	<=13	PASS
	High	QPSK	5.35	<=13	PASS
	High	16QAM	6.23	<=13	PASS
	High	64QAM	6.28	<=13	PASS
3	Low	QPSK	5.23	<=13	PASS
	Low	16QAM	6.03	<=13	PASS
	Low	64QAM	6.16	<=13	PASS
	Mid	QPSK	5.57	<=13	PASS
	Mid	16QAM	6.29	<=13	PASS
	Mid	64QAM	6.37	<=13	PASS
	High	QPSK	5.37	<=13	PASS
	High	16QAM	6.14	<=13	PASS
	High	64QAM	6.17	<=13	PASS
5	Low	QPSK	5.44	<=13	PASS
	Low	16QAM	6.05	<=13	PASS
	Low	64QAM	6.31	<=13	PASS
	Mid	QPSK	5.54	<=13	PASS
	Mid	16QAM	6.14	<=13	PASS
	Mid	64QAM	6.44	<=13	PASS
	High	QPSK	5.39	<=13	PASS
	High	16QAM	6.09	<=13	PASS
	High	64QAM	6.30	<=13	PASS
10	Low	QPSK	5.49	<=13	PASS
	Low	16QAM	6.15	<=13	PASS
	Low	64QAM	6.29	<=13	PASS
	Mid	QPSK	5.67	<=13	PASS
	Mid	16QAM	6.23	<=13	PASS
	Mid	64QAM	6.40	<=13	PASS
	High	QPSK	5.55	<=13	PASS
	High	16QAM	6.19	<=13	PASS
	High	64QAM	6.30	<=13	PASS



15	Low	QPSK	5.42	<=13	PASS
	Low	16QAM	6.12	<=13	PASS
	Low	64QAM	6.36	<=13	PASS
	Mid	QPSK	5.52	<=13	PASS
	Mid	16QAM	6.21	<=13	PASS
	Mid	64QAM	6.43	<=13	PASS
	High	QPSK	5.42	<=13	PASS
	High	16QAM	6.12	<=13	PASS
	High	64QAM	6.31	<=13	PASS
20	Low	QPSK	5.50	<=13	PASS
	Low	16QAM	6.21	<=13	PASS
	Low	64QAM	6.40	<=13	PASS
	Mid	QPSK	5.59	<=13	PASS
	Mid	16QAM	6.27	<=13	PASS
	Mid	64QAM	6.45	<=13	PASS
	High	QPSK	5.52	<=13	PASS
	High	16QAM	6.25	<=13	PASS
	High	64QAM	6.40	<=13	PASS



LTE Band 66					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.15	<=13	PASS
	Low	16QAM	6.16	<=13	PASS
	Low	64QAM	6.24	<=13	PASS
	Mid	QPSK	5.47	<=13	PASS
	Mid	16QAM	6.33	<=13	PASS
	Mid	64QAM	6.35	<=13	PASS
	High	QPSK	5.11	<=13	PASS
	High	16QAM	5.95	<=13	PASS
	High	64QAM	6.11	<=13	PASS
3	Low	QPSK	5.32	<=13	PASS
	Low	16QAM	6.07	<=13	PASS
	Low	64QAM	6.18	<=13	PASS
	Mid	QPSK	5.41	<=13	PASS
	Mid	16QAM	6.25	<=13	PASS
	Mid	64QAM	6.29	<=13	PASS
	High	QPSK	5.19	<=13	PASS
	High	16QAM	5.94	<=13	PASS
	High	64QAM	6.04	<=13	PASS
5	Low	QPSK	5.42	<=13	PASS
	Low	16QAM	6.18	<=13	PASS
	Low	64QAM	6.19	<=13	PASS
	Mid	QPSK	5.49	<=13	PASS
	Mid	16QAM	6.17	<=13	PASS
	Mid	64QAM	6.31	<=13	PASS
	High	QPSK	5.29	<=13	PASS
	High	16QAM	5.95	<=13	PASS
	High	64QAM	6.13	<=13	PASS
10	Low	QPSK	5.52	<=13	PASS
	Low	16QAM	6.13	<=13	PASS
	Low	64QAM	6.30	<=13	PASS
	Mid	QPSK	5.60	<=13	PASS
	Mid	16QAM	6.21	<=13	PASS
	Mid	64QAM	6.34	<=13	PASS
	High	QPSK	5.48	<=13	PASS
	High	16QAM	6.12	<=13	PASS
	High	64QAM	6.24	<=13	PASS



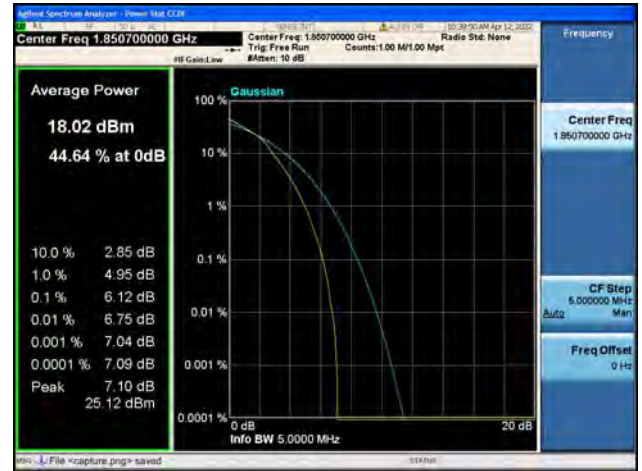
15	Low	QPSK	5.45	<=13	PASS
	Low	16QAM	6.06	<=13	PASS
	Low	64QAM	6.34	<=13	PASS
	Mid	QPSK	5.45	<=13	PASS
	Mid	16QAM	6.14	<=13	PASS
	Mid	64QAM	6.32	<=13	PASS
	High	QPSK	5.31	<=13	PASS
	High	16QAM	5.97	<=13	PASS
	High	64QAM	6.09	<=13	PASS
20	Low	QPSK	5.50	<=13	PASS
	Low	16QAM	6.22	<=13	PASS
	Low	64QAM	6.34	<=13	PASS
	Mid	QPSK	5.55	<=13	PASS
	Mid	16QAM	6.31	<=13	PASS
	Mid	64QAM	6.43	<=13	PASS
	High	QPSK	5.43	<=13	PASS
	High	16QAM	6.11	<=13	PASS
	High	64QAM	6.29	<=13	PASS



Band2 / 1.4MHz / Low CH / QPSK



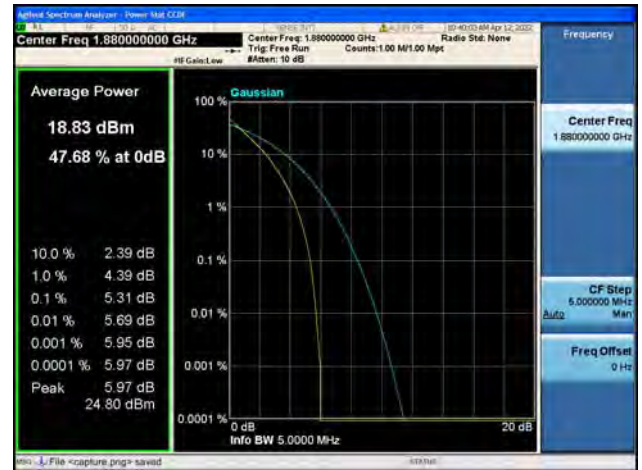
Band2 / 1.4MHz / Low CH / 16QAM



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



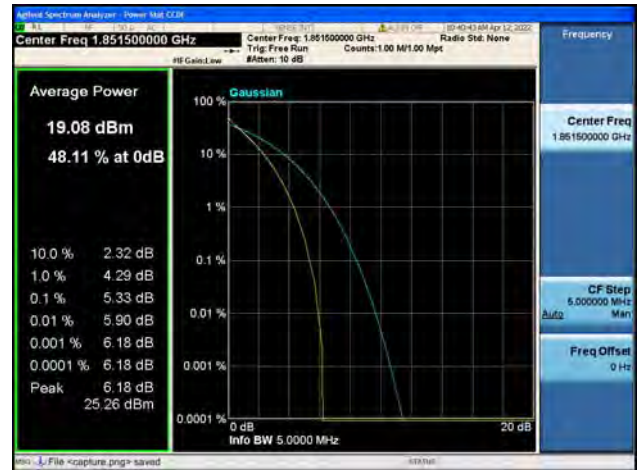
Band2 / 1.4MHz / High CH / 16QAM



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

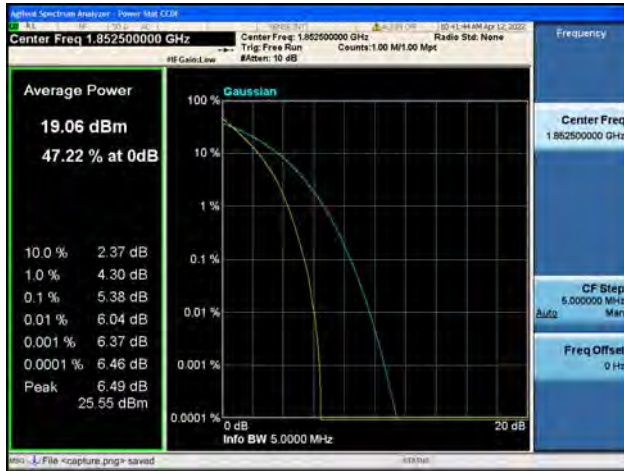


Band2 / 3MHz / High CH / 64QAM





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

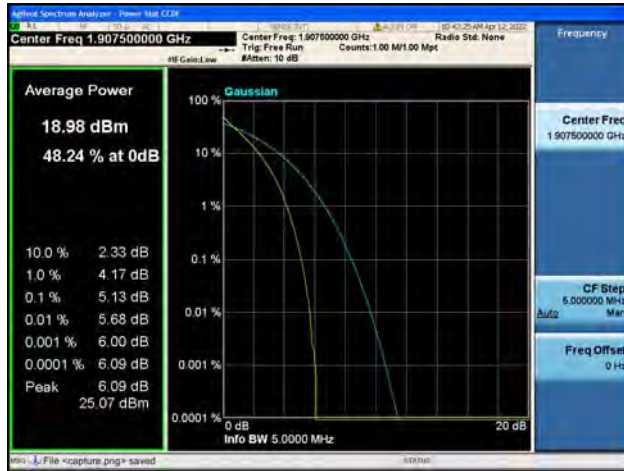


Band2 / 5MHz / Mid CH / 64QAM





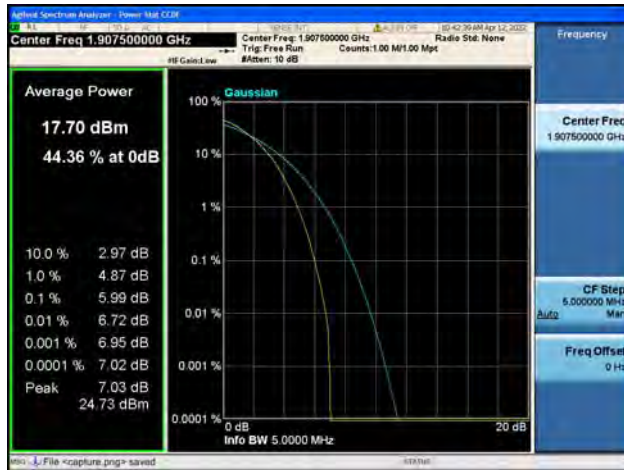
Band2 / 5MHz / High CH / QPSK



Band2 / 5MHz / High CH / 16QAM



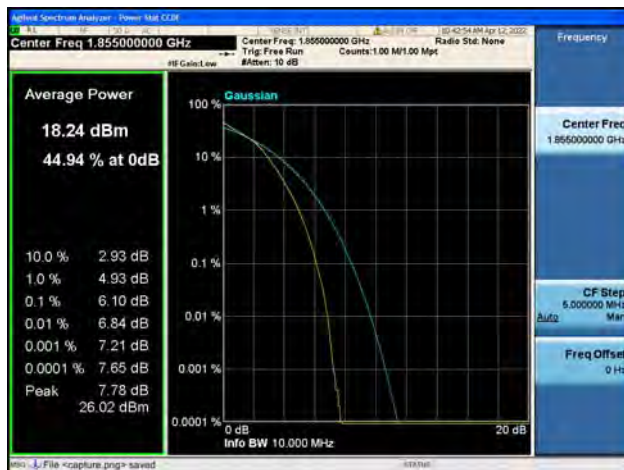
Band2 / 5MHz / High CH / 64QAM



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





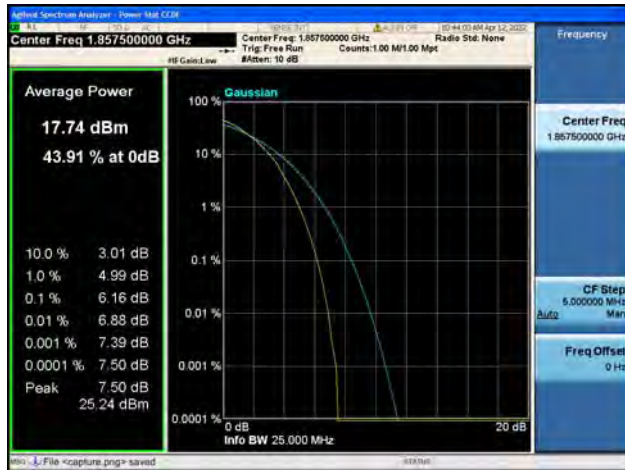
Band2 / 15MHz / Low CH / QPSK



Band2 / 15MHz / Low CH / 16QAM



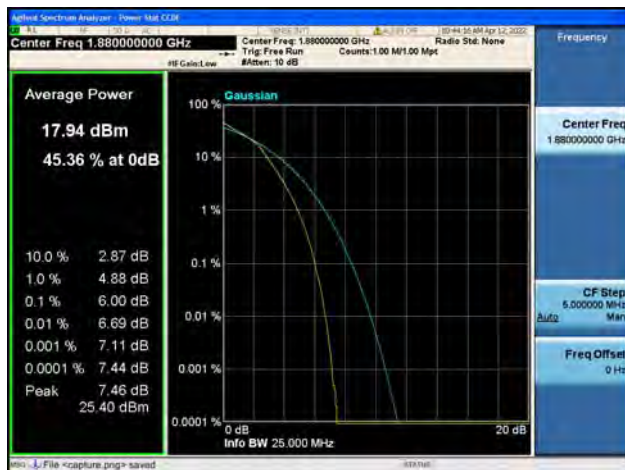
Band2 / 15MHz / Low CH / 64QAM



Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM

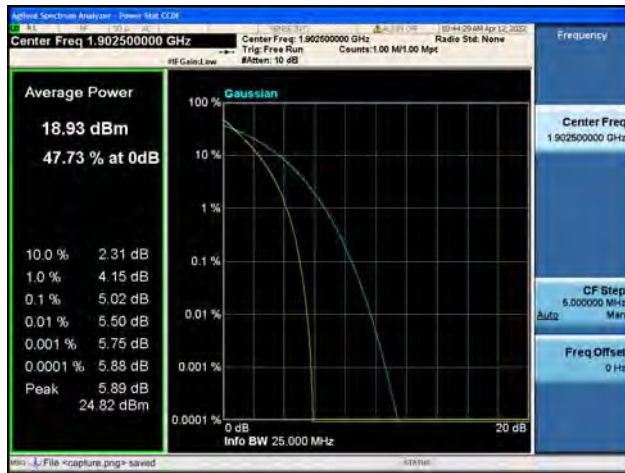


Band2 / 15MHz / Mid CH / 64QAM





Band2 / 15MHz / High CH / QPSK



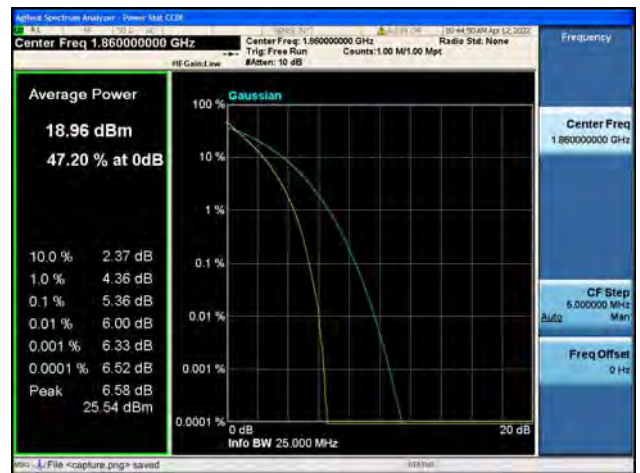
Band2 / 15MHz / High CH / 16QAM



Band2 / 15MHz / High CH / 64QAM



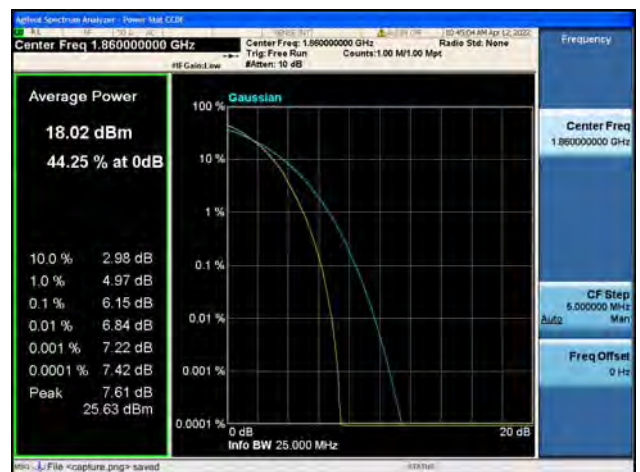
Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM



Band2 / 20MHz / Low CH / 64QAM





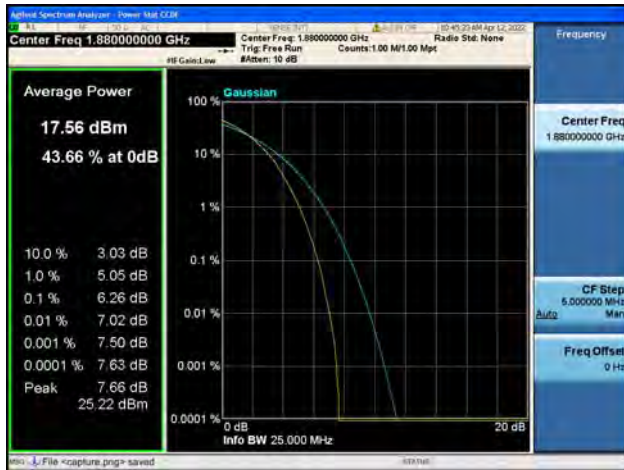
Band2 / 20MHz / Mid CH / QPSK



Band2 / 20MHz / Mid CH / 16QAM



Band2 / 20MHz / Mid CH / 64QAM



Band2 / 20MHz / High CH / QPSK



Band2 / 20MHz / High CH / 16QAM

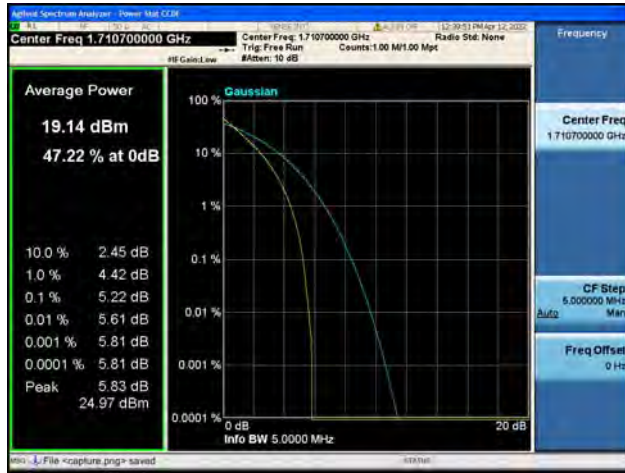


Band2 / 20MHz / High CH / 64QAM

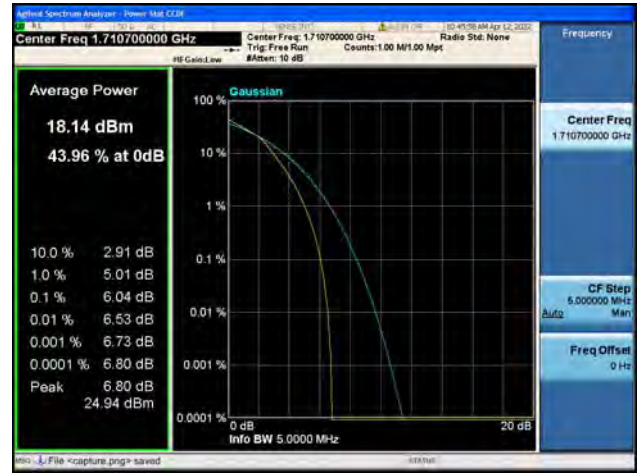




Band4 / 1.4MHz / Low CH / QPSK



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

