



TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Smart Phone

MODEL NAME : G40

BRAND NAME : BLU

FCC ID : YHLBLUG40UU

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

RECEIPT DATE : 2022-10-14

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Change History		
Version	Date	Reason for change
1.0	2022-11-14	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.:	2#	
Hardware Version:	YK507-MB-V2.0	
Software Version:	BLU_G0790UU_V12.0.01.00_GENERIC_12-08-2022_1822	
Modulation Type:	QPSK, 16QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 12 / 17 / 66 / 71	
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 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz
	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz –2200MHz
	LTE Band 71	Tx: 663MHz –698MHz
		Rx: 617MHz –652MHz



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 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	-0.28dBi
	LTE Band 4	-0.52dBi
	LTE Band 5	-0.82dBi
	LTE Band 12	-0.84dBi
	LTE Band 17	-0.79dBi
	LTE Band 66	-0.57dBi
	LTE Band 71	-0.82dBi
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-JY-1000
	Serial No.:	N/A
	Rated Output:	5V $\overline{=}$ 1000mA
	Rated Input:	100-240V \sim 50/60Hz, 0.3A
	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	QPSK	16QAM	
20	0.229	0.180	18M0G7D	18M0W7D	
15	0.227	0.183	13M5G7D	13M5W7D	
10	0.225	0.181	8M98G7D	8M98W7D	
5	0.228	0.182	4M50G7D	4M51W7D	
3	0.228	0.180	2M69G7D	2M70W7D	
1.4	0.226	0.183	1M10G7D	1M10W7D	
LTE Band 4		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM	
20	0.211	0.171	18M0G7D	18M0W7D	
15	0.210	0.175	13M5G7D	13M5W7D	
10	0.206	0.166	9M00G7D	8M97W7D	
5	0.210	0.173	4M50G7D	4M50W7D	
3	0.211	0.175	2M69G7D	2M69W7D	
1.4	0.208	0.167	1M10G7D	1M10W7D	
LTE Band 5		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM	
10	0.122	0.096	9M01G7D	8M97W7D	
5	0.121	0.098	4M50G7D	4M50W7D	
3	0.120	0.099	2M69G7D	2M69W7D	
1.4	0.119	0.097	1M10G7D	1M10W7D	
LTE Band 12		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM	
10	0.123	0.095	9M03G7D	9M00W7D	
5	0.118	0.097	4M52G7D	4M53W7D	
3	0.119	0.094	2M69G7D	2M69W7D	
1.4	0.119	0.097	1M10G7D	1M10W7D	
LTE Band 17		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM	
10	0.124	0.099	9M03G7D	8M98W7D	
5	0.124	0.099	4M52G7D	4M52W7D	



LTE Band 66	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.169	0.135	18M0G7D	18M0W7D
15	0.168	0.134	13M5G7D	13M5W7D
10	0.167	0.136	9M01G7D	8M98W7D
5	0.168	0.136	4M51G7D	4M51W7D
3	0.167	0.135	2M69G7D	2M69W7D
1.4	0.166	0.135	1M10G7D	1M10W7D
LTE Band 71	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.153	0.124	18M0G7D	18M0W7D
15	0.152	0.123	13M6G7D	13M5W7D
10	0.152	0.124	9M04G7D	8M99W7D
5	0.152	0.123	4M52G7D	4M53W7D



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Nov. 10, 2022	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Oct. 29&31, 2022	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Oct. 31, 2022	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Oct. 29, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h)	Conducted Spurious Emissions	Oct. 29&31, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g)	Band Edge	Oct. 29&31, 2022	Li Huaijie	PASS	No deviation



27.53(h)					
2.1053 22.917(a) 24.238(a) 27.53(g) 27.53(h)	Radiated Spurious Emissions	Oct. 23, 2022	Gao Jianrou	PASS	No deviation

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

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

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

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

1.5. Environmental Conditions

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

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

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

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

2.1.1. Requirement

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

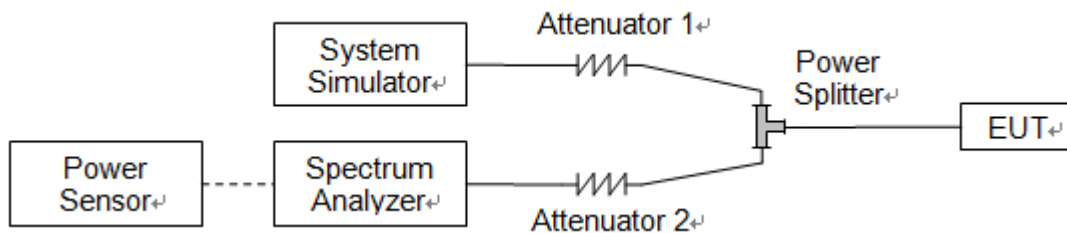
According to FCC section 24.232 (c) for LTE Band 2, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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 (c)(10) for LTE Band 12/17/71, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

2.1.2. Test Description



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



2.1.3. Test Procedure

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

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

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

2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.76	23.88	23.80
20	QPSK	1	49	23.79	23.81	23.72
20	QPSK	1	99	23.73	23.71	23.66
20	QPSK	50	0	22.69	22.85	22.77
20	QPSK	50	24	22.72	22.74	22.65
20	QPSK	50	50	22.75	22.78	22.71
20	QPSK	100	0	22.73	22.69	22.70
20	16QAM	1	0	22.62	22.83	22.73
20	16QAM	1	49	22.67	22.75	22.64
20	16QAM	1	99	22.70	22.69	22.66
20	16QAM	50	0	21.84	21.89	21.78
20	16QAM	50	24	21.86	21.77	21.67
20	16QAM	50	50	21.75	21.71	21.65
20	16QAM	100	0	21.66	21.64	21.68



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	23.83	23.84	23.68
15	QPSK	1	37	23.73	23.69	23.71
15	QPSK	1	74	23.61	23.79	23.57
15	QPSK	36	0	22.74	22.89	22.57
15	QPSK	36	20	22.65	22.54	22.64
15	QPSK	36	39	22.66	22.71	22.87
15	QPSK	75	0	22.82	22.80	22.57
15	16QAM	1	0	22.56	22.86	22.80
15	16QAM	1	37	22.51	22.91	22.65
15	16QAM	1	74	22.65	22.68	22.70
15	16QAM	36	0	21.66	21.72	21.77
15	16QAM	36	20	21.88	21.75	21.67
15	16QAM	36	39	21.77	21.78	21.55
15	16QAM	75	0	21.77	21.72	21.59



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	23.71	23.73	23.77
10	QPSK	1	25	23.81	23.61	23.81
10	QPSK	1	49	23.73	23.58	23.56
10	QPSK	25	0	22.75	22.84	22.66
10	QPSK	25	12	22.91	22.66	22.72
10	QPSK	25	25	22.85	22.75	22.59
10	QPSK	50	0	22.76	22.57	22.61
10	16QAM	1	0	22.77	22.85	22.53
10	16QAM	1	25	22.67	22.73	22.66
10	16QAM	1	49	22.74	22.51	22.56
10	16QAM	25	0	21.91	21.84	21.92
10	16QAM	25	12	21.88	21.81	21.79
10	16QAM	25	25	21.93	21.90	21.74
10	16QAM	50	0	21.86	21.66	21.54



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	23.79	23.80	23.76
5	QPSK	1	12	23.81	23.78	23.71
5	QPSK	1	24	23.85	23.80	23.85
5	QPSK	12	0	22.62	22.74	22.64
5	QPSK	12	7	22.87	22.58	22.67
5	QPSK	12	13	22.77	22.69	22.81
5	QPSK	25	0	22.69	22.56	22.67
5	16QAM	1	0	22.78	22.87	22.74
5	16QAM	1	12	22.74	22.88	22.63
5	16QAM	1	24	22.50	22.87	22.57
5	16QAM	12	0	21.91	21.84	21.84
5	16QAM	12	7	21.87	21.67	21.54
5	16QAM	12	13	21.72	21.66	21.85
5	16QAM	25	0	21.76	21.64	21.64



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.74	23.86	23.65
3	QPSK	1	8	23.63	23.80	23.84
3	QPSK	1	14	23.82	23.82	23.46
3	QPSK	8	0	22.56	22.73	22.83
3	QPSK	8	4	22.70	22.83	22.47
3	QPSK	8	7	22.62	22.66	22.60
3	QPSK	15	0	22.88	22.83	22.77
3	16QAM	1	0	22.82	22.76	22.59
3	16QAM	1	8	22.78	22.84	22.64
3	16QAM	1	14	22.57	22.61	22.69
3	16QAM	8	0	21.98	21.90	21.63
3	16QAM	8	4	21.97	21.61	21.82
3	16QAM	8	7	21.76	21.80	21.58
3	16QAM	15	0	21.58	21.82	21.62



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	23.77	23.82	23.81
1.4	QPSK	1	3	23.70	23.76	23.72
1.4	QPSK	1	5	23.73	23.67	23.74
1.4	QPSK	3	0	22.83	22.85	22.77
1.4	QPSK	3	1	22.64	22.74	22.71
1.4	QPSK	3	3	22.71	22.90	22.57
1.4	QPSK	6	0	22.75	22.57	22.65
1.4	16QAM	1	0	22.82	22.87	22.91
1.4	16QAM	1	3	22.65	22.84	22.64
1.4	16QAM	1	5	22.90	22.60	22.54
1.4	16QAM	3	0	21.77	21.82	21.60
1.4	16QAM	3	1	21.82	21.58	21.66
1.4	16QAM	3	3	21.64	21.68	21.55
1.4	16QAM	6	0	21.52	21.84	21.70



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	23.56	23.77	23.74
20	QPSK	1	49	23.75	23.73	23.65
20	QPSK	1	99	23.57	23.65	23.70
20	QPSK	50	0	22.52	22.87	22.63
20	QPSK	50	24	22.65	22.56	22.72
20	QPSK	50	50	22.76	22.81	22.57
20	QPSK	100	0	22.77	22.62	22.55
20	16QAM	1	0	22.60	22.59	22.85
20	16QAM	1	49	22.63	22.63	22.69
20	16QAM	1	99	22.86	22.55	22.47
20	16QAM	50	0	21.71	21.75	21.66
20	16QAM	50	24	21.93	21.81	21.82
20	16QAM	50	50	21.94	21.55	21.58
20	16QAM	100	0	21.80	21.58	21.82



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	23.71	23.69	23.64
15	QPSK	1	37	23.59	23.74	23.57
15	QPSK	1	74	23.66	23.62	23.65
15	QPSK	36	0	22.80	22.81	22.80
15	QPSK	36	20	22.67	22.55	22.83
15	QPSK	36	39	22.50	22.60	22.48
15	QPSK	75	0	22.84	22.89	22.81
15	16QAM	1	0	22.56	22.77	22.69
15	16QAM	1	37	22.68	22.92	22.61
15	16QAM	1	74	22.95	22.80	22.83
15	16QAM	36	0	21.82	21.70	21.66
15	16QAM	36	20	21.93	21.61	21.80
15	16QAM	36	39	21.58	21.59	21.72
15	16QAM	75	0	21.45	21.77	21.47



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				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	23.52	23.58	23.60
10	QPSK	1	25	23.55	23.63	23.49
10	QPSK	1	49	23.64	23.53	23.66
10	QPSK	25	0	22.88	22.70	22.85
10	QPSK	25	12	22.92	22.63	22.56
10	QPSK	25	25	22.90	22.86	22.80
10	QPSK	50	0	22.80	22.52	22.61
10	16QAM	1	0	22.54	22.62	22.72
10	16QAM	1	25	22.69	22.62	22.51
10	16QAM	1	49	22.50	22.71	22.67
10	16QAM	25	0	21.86	21.88	21.90
10	16QAM	25	12	21.67	21.79	21.72
10	16QAM	25	25	21.52	21.69	21.83
10	16QAM	50	0	21.57	21.50	21.57



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	23.59	23.75	23.41
5	QPSK	1	12	23.63	23.70	23.65
5	QPSK	1	24	23.53	23.65	23.69
5	QPSK	12	0	22.81	22.63	22.70
5	QPSK	12	7	22.51	22.53	22.53
5	QPSK	12	13	22.89	22.85	22.47
5	QPSK	25	0	22.73	22.62	22.80
5	16QAM	1	0	22.86	22.75	22.91
5	16QAM	1	12	22.86	22.63	22.59
5	16QAM	1	24	22.82	22.91	22.65
5	16QAM	12	0	21.69	21.78	21.83
5	16QAM	12	7	21.77	21.77	21.79
5	16QAM	12	13	21.92	21.75	21.86
5	16QAM	25	0	21.80	21.60	21.84



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	23.55	23.74	23.72
3	QPSK	1	8	23.74	23.66	23.58
3	QPSK	1	14	23.76	23.55	23.57
3	QPSK	8	0	22.87	22.71	22.87
3	QPSK	8	4	22.62	22.91	22.56
3	QPSK	8	7	22.66	22.64	22.79
3	QPSK	15	0	22.74	22.55	22.46
3	16QAM	1	0	22.61	22.64	22.86
3	16QAM	1	8	22.86	22.69	22.61
3	16QAM	1	14	22.57	22.94	22.61
3	16QAM	8	0	21.91	21.72	21.61
3	16QAM	8	4	21.75	21.89	21.74
3	16QAM	8	7	21.94	21.78	21.75
3	16QAM	15	0	21.54	21.72	21.45



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	23.64	23.64	23.65
1.4	QPSK	1	3	23.69	23.61	23.69
1.4	QPSK	1	5	23.59	23.66	23.71
1.4	QPSK	3	0	22.91	22.80	22.85
1.4	QPSK	3	1	22.55	22.77	22.70
1.4	QPSK	3	3	22.72	22.58	22.84
1.4	QPSK	6	0	22.93	22.81	22.89
1.4	16QAM	1	0	22.44	22.76	22.62
1.4	16QAM	1	3	22.59	22.58	22.67
1.4	16QAM	1	5	22.76	22.64	22.42
1.4	16QAM	3	0	21.75	21.91	21.86
1.4	16QAM	3	1	21.85	21.85	21.67
1.4	16QAM	3	3	21.95	21.61	21.79
1.4	16QAM	6	0	21.65	21.77	21.65



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.77	23.82	23.80
10	QPSK	1	25	23.58	23.60	23.78
10	QPSK	1	49	23.53	23.71	23.71
10	QPSK	25	0	22.92	22.93	22.78
10	QPSK	25	12	22.57	22.80	22.79
10	QPSK	25	25	22.79	22.56	22.72
10	QPSK	50	0	22.81	22.83	22.92
10	16QAM	1	0	22.65	22.78	22.55
10	16QAM	1	25	22.42	22.73	22.72
10	16QAM	1	49	22.65	22.80	22.56
10	16QAM	25	0	21.80	21.77	21.88
10	16QAM	25	12	21.71	21.85	21.63
10	16QAM	25	25	21.72	21.58	21.85
10	16QAM	50	0	21.82	21.52	21.61



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	23.50	23.63	23.57
5	QPSK	1	12	23.71	23.76	23.56
5	QPSK	1	24	23.72	23.79	23.42
5	QPSK	12	0	22.81	22.70	22.79
5	QPSK	12	7	22.85	22.84	22.67
5	QPSK	12	13	22.90	22.79	22.54
5	QPSK	25	0	22.65	22.90	22.90
5	16QAM	1	0	22.82	22.67	22.89
5	16QAM	1	12	22.68	22.57	22.59
5	16QAM	1	24	22.69	22.72	22.52
5	16QAM	12	0	21.87	21.88	21.75
5	16QAM	12	7	21.74	21.84	21.69
5	16QAM	12	13	21.83	21.46	21.44
5	16QAM	25	0	21.86	21.43	21.45



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	23.58	23.70	23.69
3	QPSK	1	8	23.69	23.67	23.73
3	QPSK	1	14	23.53	23.77	23.50
3	QPSK	8	0	22.69	22.83	22.74
3	QPSK	8	4	22.95	22.86	22.88
3	QPSK	8	7	22.99	22.60	22.61
3	QPSK	15	0	22.70	22.82	22.63
3	16QAM	1	0	22.84	22.85	22.72
3	16QAM	1	8	22.86	22.58	22.58
3	16QAM	1	14	22.92	22.83	22.56
3	16QAM	8	0	21.96	21.92	21.58
3	16QAM	8	4	21.73	21.86	21.89
3	16QAM	8	7	21.81	21.75	21.89
3	16QAM	15	0	21.75	21.88	21.68



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	23.73	23.55	23.55
1.4	QPSK	1	3	23.69	23.69	23.74
1.4	QPSK	1	5	23.54	23.66	23.59
1.4	QPSK	3	0	22.54	22.65	22.59
1.4	QPSK	3	1	22.70	22.61	22.70
1.4	QPSK	3	3	22.85	22.60	22.73
1.4	QPSK	6	0	22.71	22.48	22.86
1.4	16QAM	1	0	22.84	22.59	22.73
1.4	16QAM	1	3	22.56	22.79	22.64
1.4	16QAM	1	5	22.82	22.55	22.44
1.4	16QAM	3	0	21.88	21.69	21.82
1.4	16QAM	3	1	21.65	21.69	21.83
1.4	16QAM	3	3	21.50	21.55	21.61
1.4	16QAM	6	0	21.43	21.44	21.72



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.50	23.89	23.71
10	QPSK	1	25	23.65	23.75	23.66
10	QPSK	1	49	23.76	23.70	23.59
10	QPSK	25	0	22.66	22.94	22.93
10	QPSK	25	12	22.54	22.74	22.69
10	QPSK	25	25	22.93	22.83	22.60
10	QPSK	50	0	22.78	22.85	22.69
10	16QAM	1	0	22.53	22.67	22.66
10	16QAM	1	25	22.58	22.61	22.56
10	16QAM	1	49	22.78	22.56	22.79
10	16QAM	25	0	21.99	21.66	21.76
10	16QAM	25	12	21.73	21.83	21.63
10	16QAM	25	25	21.71	21.80	21.77
10	16QAM	50	0	21.68	21.46	21.45



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.68	23.71	23.46
5	QPSK	1	12	23.65	23.63	23.72
5	QPSK	1	24	23.64	23.70	23.54
5	QPSK	12	0	22.70	22.94	22.82
5	QPSK	12	7	22.64	22.98	22.85
5	QPSK	12	13	22.60	22.68	22.63
5	QPSK	25	0	22.58	22.84	22.59
5	16QAM	1	0	22.58	22.87	22.68
5	16QAM	1	12	22.67	22.65	22.73
5	16QAM	1	24	22.65	22.68	22.65
5	16QAM	12	0	21.82	21.73	21.57
5	16QAM	12	7	21.97	21.97	21.62
5	16QAM	12	13	21.71	21.75	21.84
5	16QAM	25	0	21.67	21.79	21.77



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.73	23.69	23.72
3	QPSK	1	8	23.71	23.67	23.50
3	QPSK	1	14	23.48	23.65	23.63
3	QPSK	8	0	22.59	22.68	22.81
3	QPSK	8	4	22.95	22.88	22.69
3	QPSK	8	7	22.85	22.65	22.86
3	QPSK	15	0	22.49	22.68	22.80
3	16QAM	1	0	22.69	22.70	22.66
3	16QAM	1	8	22.45	22.74	22.58
3	16QAM	1	14	22.49	22.68	22.49
3	16QAM	8	0	21.79	21.84	21.87
3	16QAM	8	4	21.61	21.90	21.64
3	16QAM	8	7	21.98	21.90	21.58
3	16QAM	15	0	21.67	21.62	21.51



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.47	23.56	23.64
1.4	QPSK	1	3	23.71	23.67	23.63
1.4	QPSK	1	5	23.72	23.73	23.57
1.4	QPSK	3	0	22.50	22.76	22.68
1.4	QPSK	3	1	22.57	22.83	22.86
1.4	QPSK	3	3	22.57	22.81	22.56
1.4	QPSK	6	0	22.60	22.89	22.86
1.4	16QAM	1	0	22.68	22.86	22.88
1.4	16QAM	1	3	22.48	22.81	22.67
1.4	16QAM	1	5	22.78	22.47	22.71
1.4	16QAM	3	0	21.77	21.78	21.85
1.4	16QAM	3	1	21.83	21.59	21.54
1.4	16QAM	3	3	21.78	21.83	21.84
1.4	16QAM	6	0	21.72	21.70	21.56



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	23.69	23.87	23.60
10	QPSK	1	25	23.84	23.73	23.61
10	QPSK	1	49	23.63	23.68	23.51
10	QPSK	25	0	22.53	22.79	22.57
10	QPSK	25	12	22.50	22.73	22.83
10	QPSK	25	25	22.82	22.74	22.56
10	QPSK	50	0	22.97	22.85	22.70
10	16QAM	1	0	22.76	22.72	22.63
10	16QAM	1	25	22.85	22.60	22.65
10	16QAM	1	49	22.91	22.64	22.88
10	16QAM	25	0	21.98	21.99	21.86
10	16QAM	25	12	21.98	21.81	21.85
10	16QAM	25	25	21.77	21.69	21.73
10	16QAM	50	0	21.87	21.84	21.67



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	23.85	23.73	23.68
5	QPSK	1	12	23.80	23.68	23.55
5	QPSK	1	24	23.53	23.86	23.56
5	QPSK	12	0	22.73	22.93	22.63
5	QPSK	12	7	22.70	22.68	22.61
5	QPSK	12	13	22.70	22.96	22.57
5	QPSK	25	0	22.55	22.90	22.48
5	16QAM	1	0	22.76	22.59	22.90
5	16QAM	1	12	22.76	22.87	22.83
5	16QAM	1	24	22.78	22.86	22.48
5	16QAM	12	0	21.85	21.81	21.89
5	16QAM	12	7	21.66	21.85	21.89
5	16QAM	12	13	21.98	21.92	21.57
5	16QAM	25	0	21.56	21.79	21.66



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	22.69	22.86	22.50
20	QPSK	1	49	22.66	22.81	22.74
20	QPSK	1	99	22.80	22.77	22.52
20	QPSK	50	0	21.91	21.95	21.61
20	QPSK	50	24	21.54	21.89	21.67
20	QPSK	50	50	21.59	21.59	21.78
20	QPSK	100	0	21.63	21.61	21.55
20	16QAM	1	0	21.42	21.62	21.83
20	16QAM	1	49	21.84	21.50	21.61
20	16QAM	1	99	21.86	21.58	21.76
20	16QAM	50	0	20.85	20.95	20.92
20	16QAM	50	24	20.63	20.60	20.56
20	16QAM	50	50	20.51	20.58	20.63
20	16QAM	100	0	20.56	20.70	20.46



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	22.83	22.73	22.75
15	QPSK	1	37	22.75	22.67	22.65
15	QPSK	1	74	22.79	22.72	22.47
15	QPSK	36	0	21.90	21.67	21.63
15	QPSK	36	20	21.94	21.88	21.71
15	QPSK	36	39	21.96	21.71	21.75
15	QPSK	75	0	21.53	21.54	21.51
15	16QAM	1	0	21.63	21.60	21.60
15	16QAM	1	37	21.50	21.81	21.52
15	16QAM	1	74	21.85	21.77	21.55
15	16QAM	36	0	20.66	20.93	20.73
15	16QAM	36	20	20.73	20.99	20.59
15	16QAM	36	39	20.89	20.71	20.60
15	16QAM	75	0	20.47	20.39	20.79



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	22.73	22.80	22.65
10	QPSK	1	25	22.61	22.65	22.75
10	QPSK	1	49	22.67	22.77	22.76
10	QPSK	25	0	21.68	21.87	21.67
10	QPSK	25	12	21.89	21.97	21.62
10	QPSK	25	25	21.81	21.93	21.96
10	QPSK	50	0	21.58	21.93	21.88
10	16QAM	1	0	21.67	21.86	21.59
10	16QAM	1	25	21.73	21.80	21.70
10	16QAM	1	49	21.92	21.81	21.86
10	16QAM	25	0	20.74	21.12	20.83
10	16QAM	25	12	20.80	20.83	20.74
10	16QAM	25	25	20.87	20.89	20.77
10	16QAM	50	0	20.50	20.71	20.76



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	22.49	22.82	22.45
5	QPSK	1	12	22.68	22.78	22.75
5	QPSK	1	24	22.75	22.74	22.52
5	QPSK	12	0	21.74	21.82	21.81
5	QPSK	12	7	21.74	21.52	21.59
5	QPSK	12	13	21.61	21.79	21.75
5	QPSK	25	0	21.51	21.74	21.47
5	16QAM	1	0	21.69	21.89	21.59
5	16QAM	1	12	21.80	21.78	21.64
5	16QAM	1	24	21.66	21.83	21.77
5	16QAM	12	0	20.71	20.91	20.72
5	16QAM	12	7	20.87	20.63	20.57
5	16QAM	12	13	20.93	20.62	20.54
5	16QAM	25	0	20.44	20.42	20.60



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	22.46	22.79	22.42
3	QPSK	1	8	22.78	22.66	22.73
3	QPSK	1	14	22.70	22.54	22.74
3	QPSK	8	0	21.60	21.73	21.57
3	QPSK	8	4	21.63	21.72	21.58
3	QPSK	8	7	21.99	21.97	21.69
3	QPSK	15	0	21.71	21.61	21.95
3	16QAM	1	0	21.75	21.60	21.52
3	16QAM	1	8	21.83	21.86	21.60
3	16QAM	1	14	21.75	21.52	21.72
3	16QAM	8	0	20.88	20.71	20.82
3	16QAM	8	4	20.91	20.52	20.68
3	16QAM	8	7	20.74	20.48	20.73
3	16QAM	15	0	20.72	20.87	20.47



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	22.59	22.66	22.65
1.4	QPSK	1	3	22.76	22.73	22.75
1.4	QPSK	1	5	22.70	22.48	22.49
1.4	QPSK	3	0	21.89	21.71	21.64
1.4	QPSK	3	1	21.58	21.67	21.57
1.4	QPSK	3	3	21.52	21.60	21.56
1.4	QPSK	6	0	21.70	21.78	21.50
1.4	16QAM	1	0	21.86	21.74	21.84
1.4	16QAM	1	3	21.75	21.78	21.65
1.4	16QAM	1	5	21.55	21.45	21.66
1.4	16QAM	3	0	20.90	20.75	20.83
1.4	16QAM	3	1	20.74	20.80	20.92
1.4	16QAM	3	3	20.89	20.58	20.77
1.4	16QAM	6	0	20.59	20.74	20.59



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	24.79	24.82	24.54
20	QPSK	1	49	24.63	24.62	24.61
20	QPSK	1	99	24.69	24.66	24.56
20	QPSK	50	0	23.73	23.79	23.56
20	QPSK	50	24	23.60	23.73	23.83
20	QPSK	50	50	23.85	23.88	23.58
20	QPSK	100	0	23.70	23.45	23.66
20	16QAM	1	0	23.66	23.87	23.75
20	16QAM	1	49	23.90	23.90	23.54
20	16QAM	1	99	23.72	23.72	23.55
20	16QAM	50	0	22.67	22.82	22.64
20	16QAM	50	24	22.84	22.55	22.77
20	16QAM	50	50	22.75	22.82	22.56
20	16QAM	100	0	22.80	22.58	22.71



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133197	133297	133397
Frequency (MHz)				670.8	680.5	690.5
15	QPSK	1	0	24.78	24.69	24.77
15	QPSK	1	37	24.60	24.74	24.68
15	QPSK	1	74	24.75	24.68	24.63
15	QPSK	36	0	23.64	23.65	23.71
15	QPSK	36	20	23.59	23.79	23.67
15	QPSK	36	39	23.84	23.59	23.65
15	QPSK	75	0	23.64	23.91	23.82
15	16QAM	1	0	23.69	23.87	23.81
15	16QAM	1	37	23.73	23.83	23.77
15	16QAM	1	74	23.70	23.64	23.68
15	16QAM	36	0	22.88	22.72	22.82
15	16QAM	36	20	22.75	22.84	22.43
15	16QAM	36	39	22.78	22.82	22.74
15	16QAM	75	0	22.80	22.86	22.58



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	24.53	24.80	24.70
10	QPSK	1	25	24.62	24.56	24.62
10	QPSK	1	49	24.63	24.71	24.67
10	QPSK	25	0	23.65	23.88	23.77
10	QPSK	25	12	23.67	23.50	23.69
10	QPSK	25	25	23.60	23.81	23.93
10	QPSK	50	0	23.56	23.66	23.80
10	16QAM	1	0	23.52	23.83	23.57
10	16QAM	1	25	23.91	23.66	23.70
10	16QAM	1	49	23.72	23.79	23.84
10	16QAM	25	0	22.85	22.78	22.91
10	16QAM	25	12	22.68	22.53	22.69
10	16QAM	25	25	22.72	22.75	22.48
10	16QAM	50	0	22.69	22.41	22.55



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5
5	QPSK	1	0	24.49	24.47	24.57
5	QPSK	1	12	24.66	24.76	24.75
5	QPSK	1	24	24.73	24.80	24.69
5	QPSK	12	0	23.65	23.65	23.91
5	QPSK	12	7	23.77	23.82	23.50
5	QPSK	12	13	23.61	23.59	23.71
5	QPSK	25	0	23.55	23.88	23.49
5	16QAM	1	0	23.86	23.60	23.77
5	16QAM	1	12	23.71	23.78	23.78
5	16QAM	1	24	23.61	23.44	23.64
5	16QAM	12	0	22.77	22.92	22.53
5	16QAM	12	7	22.81	22.81	22.77
5	16QAM	12	13	22.71	22.76	22.56
5	16QAM	25	0	22.71	22.53	22.83



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	23.48	0.223	23.60	0.229	23.52	0.225
20	QPSK	1	49	23.51	0.224	23.53	0.225	23.44	0.221
20	QPSK	1	99	23.45	0.221	23.43	0.220	23.38	0.218
20	QPSK	50	0	22.41	0.174	22.57	0.181	22.49	0.177
20	QPSK	50	24	22.44	0.175	22.46	0.176	22.37	0.173
20	QPSK	50	50	22.47	0.177	22.50	0.178	22.43	0.175
20	QPSK	100	0	22.45	0.176	22.41	0.174	22.42	0.175
20	16QAM	1	0	22.34	0.171	22.55	0.180	22.45	0.176
20	16QAM	1	49	22.39	0.173	22.47	0.177	22.36	0.172
20	16QAM	1	99	22.42	0.175	22.41	0.174	22.38	0.173
20	16QAM	50	0	21.56	0.143	21.61	0.145	21.50	0.141
20	16QAM	50	24	21.58	0.144	21.49	0.141	21.39	0.138
20	16QAM	50	50	21.47	0.140	21.43	0.139	21.37	0.137
20	16QAM	100	0	21.38	0.137	21.36	0.137	21.40	0.138



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	23.55	0.226	23.56	0.227	23.40	0.219
15	QPSK	1	37	23.45	0.221	23.41	0.219	23.43	0.220
15	QPSK	1	74	23.33	0.215	23.51	0.224	23.29	0.213
15	QPSK	36	0	22.46	0.176	22.61	0.182	22.29	0.169
15	QPSK	36	20	22.37	0.173	22.26	0.168	22.36	0.172
15	QPSK	36	39	22.38	0.173	22.43	0.175	22.59	0.182
15	QPSK	75	0	22.54	0.179	22.52	0.179	22.29	0.169
15	16QAM	1	0	22.28	0.169	22.58	0.181	22.52	0.179
15	16QAM	1	37	22.23	0.167	22.63	0.183	22.37	0.173
15	16QAM	1	74	22.37	0.173	22.40	0.174	22.42	0.175
15	16QAM	36	0	21.38	0.137	21.44	0.139	21.49	0.141
15	16QAM	36	20	21.60	0.145	21.47	0.140	21.39	0.138
15	16QAM	36	39	21.49	0.141	21.50	0.141	21.27	0.134
15	16QAM	75	0	21.49	0.141	21.44	0.139	21.31	0.135



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	23.43	0.220	23.45	0.221	23.49	0.223
10	QPSK	1	25	23.53	0.225	23.33	0.215	23.53	0.225
10	QPSK	1	49	23.45	0.221	23.30	0.214	23.28	0.213
10	QPSK	25	0	22.47	0.177	22.56	0.180	22.38	0.173
10	QPSK	25	12	22.63	0.183	22.38	0.173	22.44	0.175
10	QPSK	25	25	22.57	0.181	22.47	0.177	22.31	0.170
10	QPSK	50	0	22.48	0.177	22.29	0.169	22.33	0.171
10	16QAM	1	0	22.49	0.177	22.57	0.181	22.25	0.168
10	16QAM	1	25	22.39	0.173	22.45	0.176	22.38	0.173
10	16QAM	1	49	22.46	0.176	22.23	0.167	22.28	0.169
10	16QAM	25	0	21.63	0.146	21.56	0.143	21.64	0.146
10	16QAM	25	12	21.60	0.145	21.53	0.142	21.51	0.142
10	16QAM	25	25	21.65	0.146	21.62	0.145	21.46	0.140
10	16QAM	50	0	21.58	0.144	21.38	0.137	21.26	0.134



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	23.51	0.224	23.52	0.225	23.48	0.223
5	QPSK	1	12	23.53	0.225	23.50	0.224	23.43	0.220
5	QPSK	1	24	23.57	0.228	23.52	0.225	23.57	0.228
5	QPSK	12	0	22.34	0.171	22.46	0.176	22.36	0.172
5	QPSK	12	7	22.59	0.182	22.30	0.170	22.39	0.173
5	QPSK	12	13	22.49	0.177	22.41	0.174	22.53	0.179
5	QPSK	25	0	22.41	0.174	22.28	0.169	22.39	0.173
5	16QAM	1	0	22.50	0.178	22.59	0.182	22.46	0.176
5	16QAM	1	12	22.46	0.176	22.60	0.182	22.35	0.172
5	16QAM	1	24	22.22	0.167	22.59	0.182	22.29	0.169
5	16QAM	12	0	21.63	0.146	21.56	0.143	21.56	0.143
5	16QAM	12	7	21.59	0.144	21.39	0.138	21.26	0.134
5	16QAM	12	13	21.44	0.139	21.38	0.137	21.57	0.144
5	16QAM	25	0	21.48	0.141	21.36	0.137	21.36	0.137



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	23.46	0.222	23.58	0.228	23.37	0.217
3	QPSK	1	8	23.35	0.216	23.52	0.225	23.56	0.227
3	QPSK	1	14	23.54	0.226	23.54	0.226	23.18	0.208
3	QPSK	8	0	22.28	0.169	22.45	0.176	22.55	0.180
3	QPSK	8	4	22.42	0.175	22.55	0.180	22.19	0.166
3	QPSK	8	7	22.34	0.171	22.38	0.173	22.32	0.171
3	QPSK	15	0	22.60	0.182	22.55	0.180	22.49	0.177
3	16QAM	1	0	22.54	0.179	22.48	0.177	22.31	0.170
3	16QAM	1	8	22.50	0.178	22.56	0.180	22.36	0.172
3	16QAM	1	14	22.29	0.169	22.33	0.171	22.41	0.174
3	16QAM	8	0	21.70	0.148	21.62	0.145	21.35	0.136
3	16QAM	8	4	21.69	0.148	21.33	0.136	21.54	0.143
3	16QAM	8	7	21.48	0.141	21.52	0.142	21.30	0.135
3	16QAM	15	0	21.30	0.135	21.54	0.143	21.34	0.136



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	23.49	0.223	23.54	0.226	23.53	0.225
1.4	QPSK	1	3	23.42	0.220	23.48	0.223	23.44	0.221
1.4	QPSK	1	5	23.45	0.221	23.39	0.218	23.46	0.222
1.4	QPSK	3	0	22.55	0.180	22.57	0.181	22.49	0.177
1.4	QPSK	3	1	22.36	0.172	22.46	0.176	22.43	0.175
1.4	QPSK	3	3	22.43	0.175	22.62	0.183	22.29	0.169
1.4	QPSK	6	0	22.47	0.177	22.29	0.169	22.37	0.173
1.4	16QAM	1	0	22.54	0.179	22.59	0.182	22.63	0.183
1.4	16QAM	1	3	22.37	0.173	22.56	0.180	22.36	0.172
1.4	16QAM	1	5	22.62	0.183	22.32	0.171	22.26	0.168
1.4	16QAM	3	0	21.49	0.141	21.54	0.143	21.32	0.136
1.4	16QAM	3	1	21.54	0.143	21.30	0.135	21.38	0.137
1.4	16QAM	3	3	21.36	0.137	21.40	0.138	21.27	0.134
1.4	16QAM	6	0	21.24	0.133	21.56	0.143	21.42	0.139



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	23.04	0.201	23.25	0.211	23.22	0.210
20	QPSK	1	49	23.23	0.210	23.21	0.209	23.13	0.206
20	QPSK	1	99	23.05	0.202	23.13	0.206	23.18	0.208
20	QPSK	50	0	22.00	0.158	22.35	0.172	22.11	0.163
20	QPSK	50	24	22.13	0.163	22.04	0.160	22.20	0.166
20	QPSK	50	50	22.24	0.167	22.29	0.169	22.05	0.160
20	QPSK	100	0	22.25	0.168	22.10	0.162	22.03	0.160
20	16QAM	1	0	22.08	0.161	22.07	0.161	22.33	0.171
20	16QAM	1	49	22.11	0.163	22.11	0.163	22.17	0.165
20	16QAM	1	99	22.34	0.171	22.03	0.160	21.95	0.157
20	16QAM	50	0	21.19	0.132	21.23	0.133	21.14	0.130
20	16QAM	50	24	21.41	0.138	21.29	0.135	21.30	0.135
20	16QAM	50	50	21.42	0.139	21.03	0.127	21.06	0.128
20	16QAM	100	0	21.28	0.134	21.06	0.128	21.30	0.135



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	23.19	0.208	23.17	0.207	23.12	0.205
15	QPSK	1	37	23.07	0.203	23.22	0.210	23.05	0.202
15	QPSK	1	74	23.14	0.206	23.10	0.204	23.13	0.206
15	QPSK	36	0	22.28	0.169	22.29	0.169	22.28	0.169
15	QPSK	36	20	22.15	0.164	22.03	0.160	22.31	0.170
15	QPSK	36	39	21.98	0.158	22.08	0.161	21.96	0.157
15	QPSK	75	0	22.32	0.171	22.37	0.173	22.29	0.169
15	16QAM	1	0	22.04	0.160	22.25	0.168	22.17	0.165
15	16QAM	1	37	22.16	0.164	22.40	0.174	22.09	0.162
15	16QAM	1	74	22.43	0.175	22.28	0.169	22.31	0.170
15	16QAM	36	0	21.30	0.135	21.18	0.131	21.14	0.130
15	16QAM	36	20	21.41	0.138	21.09	0.129	21.28	0.134
15	16QAM	36	39	21.06	0.128	21.07	0.128	21.20	0.132
15	16QAM	75	0	20.93	0.124	21.25	0.133	20.95	0.124



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	23.00	0.200	23.06	0.202	23.08	0.203
10	QPSK	1	25	23.03	0.201	23.11	0.205	22.97	0.198
10	QPSK	1	49	23.12	0.205	23.01	0.200	23.14	0.206
10	QPSK	25	0	22.36	0.172	22.18	0.165	22.33	0.171
10	QPSK	25	12	22.40	0.174	22.11	0.163	22.04	0.160
10	QPSK	25	25	22.38	0.173	22.34	0.171	22.28	0.169
10	QPSK	50	0	22.28	0.169	22.00	0.158	22.09	0.162
10	16QAM	1	0	22.02	0.159	22.10	0.162	22.20	0.166
10	16QAM	1	25	22.17	0.165	22.10	0.162	21.99	0.158
10	16QAM	1	49	21.98	0.158	22.19	0.166	22.15	0.164
10	16QAM	25	0	21.34	0.136	21.36	0.137	21.38	0.137
10	16QAM	25	12	21.15	0.130	21.27	0.134	21.20	0.132
10	16QAM	25	25	21.00	0.126	21.17	0.131	21.31	0.135
10	16QAM	50	0	21.05	0.127	20.98	0.125	21.05	0.127



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.07	0.203	23.23	0.210	22.89	0.195
5	QPSK	1	12	23.11	0.205	23.18	0.208	23.13	0.206
5	QPSK	1	24	23.01	0.200	23.13	0.206	23.17	0.207
5	QPSK	12	0	22.29	0.169	22.11	0.163	22.18	0.165
5	QPSK	12	7	21.99	0.158	22.01	0.159	22.01	0.159
5	QPSK	12	13	22.37	0.173	22.33	0.171	21.95	0.157
5	QPSK	25	0	22.21	0.166	22.10	0.162	22.28	0.169
5	16QAM	1	0	22.34	0.171	22.23	0.167	22.39	0.173
5	16QAM	1	12	22.34	0.171	22.11	0.163	22.07	0.161
5	16QAM	1	24	22.30	0.170	22.39	0.173	22.13	0.163
5	16QAM	12	0	21.17	0.131	21.26	0.134	21.31	0.135
5	16QAM	12	7	21.25	0.133	21.25	0.133	21.27	0.134
5	16QAM	12	13	21.40	0.138	21.23	0.133	21.34	0.136
5	16QAM	25	0	21.28	0.134	21.08	0.128	21.32	0.136



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	23.03	0.201	23.22	0.210	23.20	0.209
3	QPSK	1	8	23.22	0.210	23.14	0.206	23.06	0.202
3	QPSK	1	14	23.24	0.211	23.03	0.201	23.05	0.202
3	QPSK	8	0	22.35	0.172	22.19	0.166	22.35	0.172
3	QPSK	8	4	22.10	0.162	22.39	0.173	22.04	0.160
3	QPSK	8	7	22.14	0.164	22.12	0.163	22.27	0.169
3	QPSK	15	0	22.22	0.167	22.03	0.160	21.94	0.156
3	16QAM	1	0	22.09	0.162	22.12	0.163	22.34	0.171
3	16QAM	1	8	22.34	0.171	22.17	0.165	22.09	0.162
3	16QAM	1	14	22.05	0.160	22.42	0.175	22.09	0.162
3	16QAM	8	0	21.39	0.138	21.20	0.132	21.09	0.129
3	16QAM	8	4	21.23	0.133	21.37	0.137	21.22	0.132
3	16QAM	8	7	21.42	0.139	21.26	0.134	21.23	0.133
3	16QAM	15	0	21.02	0.126	21.20	0.132	20.93	0.124



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	23.12	0.205	23.12	0.205	23.13	0.206
1.4	QPSK	1	3	23.17	0.207	23.09	0.204	23.17	0.207
1.4	QPSK	1	5	23.07	0.203	23.14	0.206	23.19	0.208
1.4	QPSK	3	0	22.39	0.173	22.28	0.169	22.33	0.171
1.4	QPSK	3	1	22.03	0.160	22.25	0.168	22.18	0.165
1.4	QPSK	3	3	22.20	0.166	22.06	0.161	22.32	0.171
1.4	QPSK	6	0	22.41	0.174	22.29	0.169	22.37	0.173
1.4	16QAM	1	0	21.92	0.156	22.24	0.167	22.10	0.162
1.4	16QAM	1	3	22.07	0.161	22.06	0.161	22.15	0.164
1.4	16QAM	1	5	22.24	0.167	22.12	0.163	21.90	0.155
1.4	16QAM	3	0	21.23	0.133	21.39	0.138	21.34	0.136
1.4	16QAM	3	1	21.33	0.136	21.33	0.136	21.15	0.130
1.4	16QAM	3	3	21.43	0.139	21.09	0.129	21.27	0.134
1.4	16QAM	6	0	21.13	0.130	21.25	0.133	21.13	0.130



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	20.80	0.120	20.85	0.122	20.83	0.121
10	QPSK	1	25	20.61	0.115	20.63	0.116	20.81	0.121
10	QPSK	1	49	20.56	0.114	20.74	0.119	20.74	0.119
10	QPSK	25	0	19.95	0.099	19.96	0.099	19.81	0.096
10	QPSK	25	12	19.60	0.091	19.83	0.096	19.82	0.096
10	QPSK	25	25	19.82	0.096	19.59	0.091	19.75	0.094
10	QPSK	50	0	19.84	0.096	19.86	0.097	19.95	0.099
10	16QAM	1	0	19.68	0.093	19.81	0.096	19.58	0.091
10	16QAM	1	25	19.45	0.088	19.76	0.095	19.75	0.094
10	16QAM	1	49	19.68	0.093	19.83	0.096	19.59	0.091
10	16QAM	25	0	18.83	0.076	18.80	0.076	18.91	0.078
10	16QAM	25	12	18.74	0.075	18.88	0.077	18.66	0.073
10	16QAM	25	25	18.75	0.075	18.61	0.073	18.88	0.077
10	16QAM	50	0	18.85	0.077	18.55	0.072	18.64	0.073



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	20.53	0.113	20.66	0.116	20.60	0.115
5	QPSK	1	12	20.74	0.119	20.79	0.120	20.59	0.115
5	QPSK	1	24	20.75	0.119	20.82	0.121	20.45	0.111
5	QPSK	12	0	19.84	0.096	19.73	0.094	19.82	0.096
5	QPSK	12	7	19.88	0.097	19.87	0.097	19.70	0.093
5	QPSK	12	13	19.93	0.098	19.82	0.096	19.57	0.091
5	QPSK	25	0	19.68	0.093	19.93	0.098	19.93	0.098
5	16QAM	1	0	19.85	0.097	19.70	0.093	19.92	0.098
5	16QAM	1	12	19.71	0.094	19.60	0.091	19.62	0.092
5	16QAM	1	24	19.72	0.094	19.75	0.094	19.55	0.090
5	16QAM	12	0	18.90	0.078	18.91	0.078	18.78	0.076
5	16QAM	12	7	18.77	0.075	18.87	0.077	18.72	0.074
5	16QAM	12	13	18.86	0.077	18.49	0.071	18.47	0.070
5	16QAM	25	0	18.89	0.077	18.46	0.070	18.48	0.070



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.61	0.115	20.73	0.118	20.72	0.118
3	QPSK	1	8	20.72	0.118	20.70	0.117	20.76	0.119
3	QPSK	1	14	20.56	0.114	20.80	0.120	20.53	0.113
3	QPSK	8	0	19.72	0.094	19.86	0.097	19.77	0.095
3	QPSK	8	4	19.98	0.100	19.89	0.097	19.91	0.098
3	QPSK	8	7	20.02	0.100	19.63	0.092	19.64	0.092
3	QPSK	15	0	19.73	0.094	19.85	0.097	19.66	0.092
3	16QAM	1	0	19.87	0.097	19.88	0.097	19.75	0.094
3	16QAM	1	8	19.89	0.097	19.61	0.091	19.61	0.091
3	16QAM	1	14	19.95	0.099	19.86	0.097	19.59	0.091
3	16QAM	8	0	18.99	0.079	18.95	0.079	18.61	0.073
3	16QAM	8	4	18.76	0.075	18.89	0.077	18.92	0.078
3	16QAM	8	7	18.84	0.077	18.78	0.076	18.92	0.078
3	16QAM	15	0	18.78	0.076	18.91	0.078	18.71	0.074



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.76	0.119	20.58	0.114	20.58	0.114
1.4	QPSK	1	3	20.72	0.118	20.72	0.118	20.77	0.119
1.4	QPSK	1	5	20.57	0.114	20.69	0.117	20.62	0.115
1.4	QPSK	3	0	19.57	0.091	19.68	0.093	19.62	0.092
1.4	QPSK	3	1	19.73	0.094	19.64	0.092	19.73	0.094
1.4	QPSK	3	3	19.88	0.097	19.63	0.092	19.76	0.095
1.4	QPSK	6	0	19.74	0.094	19.51	0.089	19.89	0.097
1.4	16QAM	1	0	19.87	0.097	19.62	0.092	19.76	0.095
1.4	16QAM	1	3	19.59	0.091	19.82	0.096	19.67	0.093
1.4	16QAM	1	5	19.85	0.097	19.58	0.091	19.47	0.089
1.4	16QAM	3	0	18.91	0.078	18.72	0.074	18.85	0.077
1.4	16QAM	3	1	18.68	0.074	18.72	0.074	18.86	0.077
1.4	16QAM	3	3	18.53	0.071	18.58	0.072	18.64	0.073
1.4	16QAM	6	0	18.46	0.070	18.47	0.070	18.75	0.075



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.51	0.112	20.90	0.123	20.72	0.118
10	QPSK	1	25	20.66	0.116	20.76	0.119	20.67	0.117
10	QPSK	1	49	20.77	0.119	20.71	0.118	20.60	0.115
10	QPSK	25	0	19.67	0.093	19.95	0.099	19.94	0.099
10	QPSK	25	12	19.55	0.090	19.75	0.094	19.70	0.093
10	QPSK	25	25	19.94	0.099	19.84	0.096	19.61	0.091
10	QPSK	50	0	19.79	0.095	19.86	0.097	19.70	0.093
10	16QAM	1	0	19.54	0.090	19.68	0.093	19.67	0.093
10	16QAM	1	25	19.59	0.091	19.62	0.092	19.57	0.091
10	16QAM	1	49	19.79	0.095	19.57	0.091	19.80	0.095
10	16QAM	25	0	19.00	0.079	18.67	0.074	18.77	0.075
10	16QAM	25	12	18.74	0.075	18.84	0.077	18.64	0.073
10	16QAM	25	25	18.72	0.074	18.81	0.076	18.78	0.076
10	16QAM	50	0	18.69	0.074	18.47	0.070	18.46	0.070



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.69	0.117	20.72	0.118	20.47	0.111
5	QPSK	1	12	20.66	0.116	20.64	0.116	20.73	0.118
5	QPSK	1	24	20.65	0.116	20.71	0.118	20.55	0.114
5	QPSK	12	0	19.71	0.094	19.95	0.099	19.83	0.096
5	QPSK	12	7	19.65	0.092	19.99	0.100	19.86	0.097
5	QPSK	12	13	19.61	0.091	19.69	0.093	19.64	0.092
5	QPSK	25	0	19.59	0.091	19.85	0.097	19.60	0.091
5	16QAM	1	0	19.59	0.091	19.88	0.097	19.69	0.093
5	16QAM	1	12	19.68	0.093	19.66	0.092	19.74	0.094
5	16QAM	1	24	19.66	0.092	19.69	0.093	19.66	0.092
5	16QAM	12	0	18.83	0.076	18.74	0.075	18.58	0.072
5	16QAM	12	7	18.98	0.079	18.98	0.079	18.63	0.073
5	16QAM	12	13	18.72	0.074	18.76	0.075	18.85	0.077
5	16QAM	25	0	18.68	0.074	18.80	0.076	18.78	0.076



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.74	0.119	20.70	0.117	20.73	0.118
3	QPSK	1	8	20.72	0.118	20.68	0.117	20.51	0.112
3	QPSK	1	14	20.49	0.112	20.66	0.116	20.64	0.116
3	QPSK	8	0	19.60	0.091	19.69	0.093	19.82	0.096
3	QPSK	8	4	19.96	0.099	19.89	0.097	19.70	0.093
3	QPSK	8	7	19.86	0.097	19.66	0.092	19.87	0.097
3	QPSK	15	0	19.50	0.089	19.69	0.093	19.81	0.096
3	16QAM	1	0	19.70	0.093	19.71	0.094	19.67	0.093
3	16QAM	1	8	19.46	0.088	19.75	0.094	19.59	0.091
3	16QAM	1	14	19.50	0.089	19.69	0.093	19.50	0.089
3	16QAM	8	0	18.80	0.076	18.85	0.077	18.88	0.077
3	16QAM	8	4	18.62	0.073	18.91	0.078	18.65	0.073
3	16QAM	8	7	18.99	0.079	18.91	0.078	18.59	0.072
3	16QAM	15	0	18.68	0.074	18.63	0.073	18.52	0.071



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.48	0.112	20.57	0.114	20.65	0.116
1.4	QPSK	1	3	20.72	0.118	20.68	0.117	20.64	0.116
1.4	QPSK	1	5	20.73	0.118	20.74	0.119	20.58	0.114
1.4	QPSK	3	0	19.51	0.089	19.77	0.095	19.69	0.093
1.4	QPSK	3	1	19.58	0.091	19.84	0.096	19.87	0.097
1.4	QPSK	3	3	19.58	0.091	19.82	0.096	19.57	0.091
1.4	QPSK	6	0	19.61	0.091	19.90	0.098	19.87	0.097
1.4	16QAM	1	0	19.69	0.093	19.87	0.097	19.89	0.097
1.4	16QAM	1	3	19.49	0.089	19.82	0.096	19.68	0.093
1.4	16QAM	1	5	19.79	0.095	19.48	0.089	19.72	0.094
1.4	16QAM	3	0	18.78	0.076	18.79	0.076	18.86	0.077
1.4	16QAM	3	1	18.84	0.077	18.60	0.072	18.55	0.072
1.4	16QAM	3	3	18.79	0.076	18.84	0.077	18.85	0.077
1.4	16QAM	6	0	18.73	0.075	18.71	0.074	18.57	0.072



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.75	0.119	20.93	0.124	20.66	0.116
10	QPSK	1	25	20.90	0.123	20.79	0.120	20.67	0.117
10	QPSK	1	49	20.69	0.117	20.74	0.119	20.57	0.114
10	QPSK	25	0	19.59	0.091	19.85	0.097	19.63	0.092
10	QPSK	25	12	19.56	0.090	19.79	0.095	19.89	0.097
10	QPSK	25	25	19.88	0.097	19.80	0.095	19.62	0.092
10	QPSK	50	0	20.03	0.101	19.91	0.098	19.76	0.095
10	16QAM	1	0	19.82	0.096	19.78	0.095	19.69	0.093
10	16QAM	1	25	19.91	0.098	19.66	0.092	19.71	0.094
10	16QAM	1	49	19.97	0.099	19.70	0.093	19.94	0.099
10	16QAM	25	0	19.04	0.080	19.05	0.080	18.92	0.078
10	16QAM	25	12	19.04	0.080	18.87	0.077	18.91	0.078
10	16QAM	25	25	18.83	0.076	18.75	0.075	18.79	0.076
10	16QAM	50	0	18.93	0.078	18.90	0.078	18.73	0.075



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.91	0.123	20.79	0.120	20.74	0.119
5	QPSK	1	12	20.86	0.122	20.74	0.119	20.61	0.115
5	QPSK	1	24	20.59	0.115	20.92	0.124	20.62	0.115
5	QPSK	12	0	19.79	0.095	19.99	0.100	19.69	0.093
5	QPSK	12	7	19.76	0.095	19.74	0.094	19.67	0.093
5	QPSK	12	13	19.76	0.095	20.02	0.100	19.63	0.092
5	QPSK	25	0	19.61	0.091	19.96	0.099	19.54	0.090
5	16QAM	1	0	19.82	0.096	19.65	0.092	19.96	0.099
5	16QAM	1	12	19.82	0.096	19.93	0.098	19.89	0.097
5	16QAM	1	24	19.84	0.096	19.92	0.098	19.54	0.090
5	16QAM	12	0	18.91	0.078	18.87	0.077	18.95	0.079
5	16QAM	12	7	18.72	0.074	18.91	0.078	18.95	0.079
5	16QAM	12	13	19.04	0.080	18.98	0.079	18.63	0.073
5	16QAM	25	0	18.62	0.073	18.85	0.077	18.72	0.074



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	22.12	0.163	22.29	0.169	21.93	0.156
20	QPSK	1	49	22.09	0.162	22.24	0.167	22.17	0.165
20	QPSK	1	99	22.23	0.167	22.20	0.166	21.95	0.157
20	QPSK	50	0	21.34	0.136	21.38	0.137	21.04	0.127
20	QPSK	50	24	20.97	0.125	21.32	0.136	21.10	0.129
20	QPSK	50	50	21.02	0.126	21.02	0.126	21.21	0.132
20	QPSK	100	0	21.06	0.128	21.04	0.127	20.98	0.125
20	16QAM	1	0	20.85	0.122	21.05	0.127	21.26	0.134
20	16QAM	1	49	21.27	0.134	20.93	0.124	21.04	0.127
20	16QAM	1	99	21.29	0.135	21.01	0.126	21.19	0.132
20	16QAM	50	0	20.28	0.107	20.38	0.109	20.35	0.108
20	16QAM	50	24	20.06	0.101	20.03	0.101	19.99	0.100
20	16QAM	50	50	19.94	0.099	20.01	0.100	20.06	0.101
20	16QAM	100	0	19.99	0.100	20.13	0.103	19.89	0.097



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	22.26	0.168	22.16	0.164	22.18	0.165
15	QPSK	1	37	22.18	0.165	22.10	0.162	22.08	0.161
15	QPSK	1	74	22.22	0.167	22.15	0.164	21.90	0.155
15	QPSK	36	0	21.33	0.136	21.10	0.129	21.06	0.128
15	QPSK	36	20	21.37	0.137	21.31	0.135	21.14	0.130
15	QPSK	36	39	21.39	0.138	21.14	0.130	21.18	0.131
15	QPSK	75	0	20.96	0.125	20.97	0.125	20.94	0.124
15	16QAM	1	0	21.06	0.128	21.03	0.127	21.03	0.127
15	16QAM	1	37	20.93	0.124	21.24	0.133	20.95	0.124
15	16QAM	1	74	21.28	0.134	21.20	0.132	20.98	0.125
15	16QAM	36	0	20.09	0.102	20.36	0.109	20.16	0.104
15	16QAM	36	20	20.16	0.104	20.42	0.110	20.02	0.100
15	16QAM	36	39	20.32	0.108	20.14	0.103	20.03	0.101
15	16QAM	75	0	19.90	0.098	19.82	0.096	20.22	0.105



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	22.16	0.164	22.23	0.167	22.08	0.161
10	QPSK	1	25	22.04	0.160	22.08	0.161	22.18	0.165
10	QPSK	1	49	22.10	0.162	22.20	0.166	22.19	0.166
10	QPSK	25	0	21.11	0.129	21.30	0.135	21.10	0.129
10	QPSK	25	12	21.32	0.136	21.40	0.138	21.05	0.127
10	QPSK	25	25	21.24	0.133	21.36	0.137	21.39	0.138
10	QPSK	50	0	21.01	0.126	21.36	0.137	21.31	0.135
10	16QAM	1	0	21.10	0.129	21.29	0.135	21.02	0.126
10	16QAM	1	25	21.16	0.131	21.23	0.133	21.13	0.130
10	16QAM	1	49	21.35	0.136	21.24	0.133	21.29	0.135
10	16QAM	25	0	20.17	0.104	20.55	0.114	20.26	0.106
10	16QAM	25	12	20.23	0.105	20.26	0.106	20.17	0.104
10	16QAM	25	25	20.30	0.107	20.32	0.108	20.20	0.105
10	16QAM	50	0	19.93	0.098	20.14	0.103	20.19	0.104



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.92	0.156	22.25	0.168	21.88	0.154
5	QPSK	1	12	22.11	0.163	22.21	0.166	22.18	0.165
5	QPSK	1	24	22.18	0.165	22.17	0.165	21.95	0.157
5	QPSK	12	0	21.17	0.131	21.25	0.133	21.24	0.133
5	QPSK	12	7	21.17	0.131	20.95	0.124	21.02	0.126
5	QPSK	12	13	21.04	0.127	21.22	0.132	21.18	0.131
5	QPSK	25	0	20.94	0.124	21.17	0.131	20.90	0.123
5	16QAM	1	0	21.12	0.129	21.32	0.136	21.02	0.126
5	16QAM	1	12	21.23	0.133	21.21	0.132	21.07	0.128
5	16QAM	1	24	21.09	0.129	21.26	0.134	21.20	0.132
5	16QAM	12	0	20.14	0.103	20.34	0.108	20.15	0.104
5	16QAM	12	7	20.30	0.107	20.06	0.101	20.00	0.100
5	16QAM	12	13	20.36	0.109	20.05	0.101	19.97	0.099
5	16QAM	25	0	19.87	0.097	19.85	0.097	20.03	0.101



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.89	0.155	22.22	0.167	21.85	0.153
3	QPSK	1	8	22.21	0.166	22.09	0.162	22.16	0.164
3	QPSK	1	14	22.13	0.163	21.97	0.157	22.17	0.165
3	QPSK	8	0	21.03	0.127	21.16	0.131	21.00	0.126
3	QPSK	8	4	21.06	0.128	21.15	0.130	21.01	0.126
3	QPSK	8	7	21.42	0.139	21.40	0.138	21.12	0.129
3	QPSK	15	0	21.14	0.130	21.04	0.127	21.38	0.137
3	16QAM	1	0	21.18	0.131	21.03	0.127	20.95	0.124
3	16QAM	1	8	21.26	0.134	21.29	0.135	21.03	0.127
3	16QAM	1	14	21.18	0.131	20.95	0.124	21.15	0.130
3	16QAM	8	0	20.31	0.107	20.14	0.103	20.25	0.106
3	16QAM	8	4	20.34	0.108	19.95	0.099	20.11	0.103
3	16QAM	8	7	20.17	0.104	19.91	0.098	20.16	0.104
3	16QAM	15	0	20.15	0.104	20.30	0.107	19.90	0.098



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	22.02	0.159	22.09	0.162	22.08	0.161
1.4	QPSK	1	3	22.19	0.166	22.16	0.164	22.18	0.165
1.4	QPSK	1	5	22.13	0.163	21.91	0.155	21.92	0.156
1.4	QPSK	3	0	21.32	0.136	21.14	0.130	21.07	0.128
1.4	QPSK	3	1	21.01	0.126	21.10	0.129	21.00	0.126
1.4	QPSK	3	3	20.95	0.124	21.03	0.127	20.99	0.126
1.4	QPSK	6	0	21.13	0.130	21.21	0.132	20.93	0.124
1.4	16QAM	1	0	21.29	0.135	21.17	0.131	21.27	0.134
1.4	16QAM	1	3	21.18	0.131	21.21	0.132	21.08	0.128
1.4	16QAM	1	5	20.98	0.125	20.88	0.122	21.09	0.129
1.4	16QAM	3	0	20.33	0.108	20.18	0.104	20.26	0.106
1.4	16QAM	3	1	20.17	0.104	20.23	0.105	20.35	0.108
1.4	16QAM	3	3	20.32	0.108	20.01	0.100	20.20	0.105
1.4	16QAM	6	0	20.02	0.100	20.17	0.104	20.02	0.100



LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133222		133322		133372	
Frequency (MHz)				673		683		688	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.82	0.152	21.85	0.153	21.57	0.144
20	QPSK	1	49	21.66	0.147	21.65	0.146	21.64	0.146
20	QPSK	1	99	21.72	0.149	21.69	0.148	21.59	0.144
20	QPSK	50	0	20.76	0.119	20.82	0.121	20.59	0.115
20	QPSK	50	24	20.63	0.116	20.76	0.119	20.86	0.122
20	QPSK	50	50	20.88	0.122	20.91	0.123	20.61	0.115
20	QPSK	100	0	20.73	0.118	20.48	0.112	20.69	0.117
20	16QAM	1	0	20.69	0.117	20.90	0.123	20.78	0.120
20	16QAM	1	49	20.93	0.124	20.93	0.124	20.57	0.114
20	16QAM	1	99	20.75	0.119	20.75	0.119	20.58	0.114
20	16QAM	50	0	19.70	0.093	19.85	0.097	19.67	0.093
20	16QAM	50	24	19.87	0.097	19.58	0.091	19.80	0.095
20	16QAM	50	50	19.78	0.095	19.85	0.097	19.59	0.091
20	16QAM	100	0	19.83	0.096	19.61	0.091	19.74	0.094



LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.8		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.81	0.152	21.72	0.149	21.80	0.151
15	QPSK	1	37	21.63	0.146	21.77	0.150	21.71	0.148
15	QPSK	1	74	21.78	0.151	21.71	0.148	21.66	0.147
15	QPSK	36	0	20.67	0.117	20.68	0.117	20.74	0.119
15	QPSK	36	20	20.62	0.115	20.82	0.121	20.70	0.117
15	QPSK	36	39	20.87	0.122	20.62	0.115	20.68	0.117
15	QPSK	75	0	20.67	0.117	20.94	0.124	20.85	0.122
15	16QAM	1	0	20.72	0.118	20.90	0.123	20.84	0.121
15	16QAM	1	37	20.76	0.119	20.86	0.122	20.80	0.120
15	16QAM	1	74	20.73	0.118	20.67	0.117	20.71	0.118
15	16QAM	36	0	19.91	0.098	19.75	0.094	19.85	0.097
15	16QAM	36	20	19.78	0.095	19.87	0.097	19.46	0.088
15	16QAM	36	39	19.81	0.096	19.85	0.097	19.77	0.095
15	16QAM	75	0	19.83	0.096	19.89	0.097	19.61	0.091



LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133172		133272		133422	
Frequency (MHz)				668		678		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.56	0.143	21.83	0.152	21.73	0.149
10	QPSK	1	25	21.65	0.146	21.59	0.144	21.65	0.146
10	QPSK	1	49	21.66	0.147	21.74	0.149	21.70	0.148
10	QPSK	25	0	20.68	0.117	20.91	0.123	20.80	0.120
10	QPSK	25	12	20.70	0.117	20.53	0.113	20.72	0.118
10	QPSK	25	25	20.63	0.116	20.84	0.121	20.96	0.125
10	QPSK	50	0	20.59	0.115	20.69	0.117	20.83	0.121
10	16QAM	1	0	20.55	0.114	20.86	0.122	20.60	0.115
10	16QAM	1	25	20.94	0.124	20.69	0.117	20.73	0.118
10	16QAM	1	49	20.75	0.119	20.82	0.121	20.87	0.122
10	16QAM	25	0	19.88	0.097	19.81	0.096	19.94	0.099
10	16QAM	25	12	19.71	0.094	19.56	0.090	19.72	0.094
10	16QAM	25	25	19.75	0.094	19.78	0.095	19.51	0.089
10	16QAM	50	0	19.72	0.094	19.44	0.088	19.58	0.091



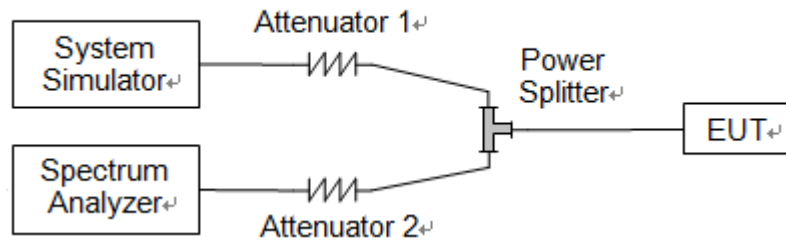
LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133247		133447	
Frequency (MHz)				665.5		675.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.52	0.142	21.50	0.141	21.60	0.145
5	QPSK	1	12	21.69	0.148	21.79	0.151	21.78	0.151
5	QPSK	1	24	21.76	0.150	21.83	0.152	21.72	0.149
5	QPSK	12	0	20.68	0.117	20.68	0.117	20.94	0.124
5	QPSK	12	7	20.80	0.120	20.85	0.122	20.53	0.113
5	QPSK	12	13	20.64	0.116	20.62	0.115	20.74	0.119
5	QPSK	25	0	20.58	0.114	20.91	0.123	20.52	0.113
5	16QAM	1	0	20.89	0.123	20.63	0.116	20.80	0.120
5	16QAM	1	12	20.74	0.119	20.81	0.121	20.81	0.121
5	16QAM	1	24	20.64	0.116	20.47	0.111	20.67	0.117
5	16QAM	12	0	19.80	0.095	19.95	0.099	19.56	0.090
5	16QAM	12	7	19.84	0.096	19.84	0.096	19.80	0.095
5	16QAM	12	13	19.74	0.094	19.79	0.095	19.59	0.091
5	16QAM	25	0	19.74	0.094	19.56	0.090	19.86	0.097

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	1.28
	Low	16QAM	1.10	1.30
	Mid	QPSK	1.09	1.27
	Mid	16QAM	1.10	1.29
	High	QPSK	1.10	1.28
	High	16QAM	1.09	1.30
3	Low	QPSK	2.69	2.91
	Low	16QAM	2.70	2.93
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.69	2.94
	High	QPSK	2.69	2.92
	High	16QAM	2.69	2.92
5	Low	QPSK	4.49	4.92
	Low	16QAM	4.50	4.90
	Mid	QPSK	4.50	4.93
	Mid	16QAM	4.51	4.90
	High	QPSK	4.50	4.94
	High	16QAM	4.50	4.90
10	Low	QPSK	8.98	9.73
	Low	16QAM	8.96	9.68
	Mid	QPSK	8.97	10.07
	Mid	16QAM	8.98	9.74
	High	QPSK	8.98	9.76
	High	16QAM	8.97	9.67
15	Low	QPSK	13.44	14.50
	Low	16QAM	13.46	14.62
	Mid	QPSK	13.47	15.02
	Mid	16QAM	13.47	14.74
	High	QPSK	13.50	16.46
	High	16QAM	13.47	16.73
20	Low	QPSK	17.94	19.45
	Low	16QAM	17.97	19.37
	Mid	QPSK	17.96	19.46
	Mid	16QAM	18.00	20.19
	High	QPSK	17.95	20.49
	High	16QAM	17.95	19.29



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.27
	Low	16QAM	1.10	1.29
	Mid	QPSK	1.09	1.28
	Mid	16QAM	1.10	1.28
	High	QPSK	1.10	1.27
	High	16QAM	1.10	1.29
3	Low	QPSK	2.69	2.91
	Low	16QAM	2.69	2.93
	Mid	QPSK	2.69	2.93
	Mid	16QAM	2.69	2.92
	High	QPSK	2.69	2.92
	High	16QAM	2.69	2.94
5	Low	QPSK	4.50	4.92
	Low	16QAM	4.50	4.92
	Mid	QPSK	4.50	4.95
	Mid	16QAM	4.50	4.92
	High	QPSK	4.50	4.92
	High	16QAM	4.50	4.89
10	Low	QPSK	8.99	9.75
	Low	16QAM	8.97	9.73
	Mid	QPSK	9.00	9.81
	Mid	16QAM	8.96	9.68
	High	QPSK	8.98	9.72
	High	16QAM	8.97	9.63
15	Low	QPSK	13.50	14.65
	Low	16QAM	13.48	14.72
	Mid	QPSK	13.50	14.65
	Mid	16QAM	13.49	14.62
	High	QPSK	13.49	16.77
	High	16QAM	13.46	14.78
20	Low	QPSK	17.94	19.35
	Low	16QAM	18.00	19.38
	Mid	QPSK	17.97	19.39
	Mid	16QAM	17.99	19.33
	High	QPSK	17.94	19.33
	High	16QAM	17.97	19.36



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.28
	Low	16QAM	1.10	1.29
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.30
	High	QPSK	1.10	1.28
	High	16QAM	1.10	1.29
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	2.94
	Mid	QPSK	2.69	2.91
	Mid	16QAM	2.69	3.20
	High	QPSK	2.69	2.93
	High	16QAM	2.69	2.93
5	Low	QPSK	4.50	4.92
	Low	16QAM	4.50	4.93
	Mid	QPSK	4.50	4.93
	Mid	16QAM	4.50	4.93
	High	QPSK	4.50	4.95
	High	16QAM	4.50	4.91
10	Low	QPSK	9.01	9.77
	Low	16QAM	8.96	9.66
	Mid	QPSK	8.99	9.76
	Mid	16QAM	8.97	9.67
	High	QPSK	8.99	9.77
	High	16QAM	8.96	9.69



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.28
	Low	16QAM	1.10	1.29
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.30
	High	QPSK	1.10	1.45
	High	16QAM	1.10	1.37
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	2.92
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.69	2.91
	High	QPSK	2.69	2.92
	High	16QAM	2.69	2.94
5	Low	QPSK	4.52	5.18
	Low	16QAM	4.51	5.12
	Mid	QPSK	4.52	5.23
	Mid	16QAM	4.52	5.17
	High	QPSK	4.52	5.17
	High	16QAM	4.53	5.69
10	Low	QPSK	9.03	10.08
	Low	16QAM	9.00	10.07
	Mid	QPSK	9.01	10.00
	Mid	16QAM	8.99	9.99
	High	QPSK	9.02	10.10
	High	16QAM	8.98	9.93



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.26
	Low	16QAM	4.52	6.34
	Mid	QPSK	4.52	5.21
	Mid	16QAM	4.51	5.11
	High	QPSK	4.52	5.21
	High	16QAM	4.51	5.10
10	Low	QPSK	9.03	10.03
	Low	16QAM	8.96	9.92
	Mid	QPSK	9.00	10.09
	Mid	16QAM	8.96	9.99
	High	QPSK	9.03	11.51
	High	16QAM	8.98	9.94



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.28
	Low	16QAM	1.10	1.29
	Mid	QPSK	1.10	1.27
	Mid	16QAM	1.10	1.30
	High	QPSK	1.09	1.27
	High	16QAM	1.10	1.29
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	2.93
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.69	2.92
	High	QPSK	2.69	2.91
	High	16QAM	2.69	2.90
5	Low	QPSK	4.50	5.13
	Low	16QAM	4.51	5.14
	Mid	QPSK	4.50	5.14
	Mid	16QAM	4.50	5.15
	High	QPSK	4.51	5.13
	High	16QAM	4.51	5.11
10	Low	QPSK	9.01	10.01
	Low	16QAM	8.97	9.82
	Mid	QPSK	9.01	10.06
	Mid	16QAM	8.98	9.92
	High	QPSK	8.99	10.08
	High	16QAM	8.98	10.01
15	Low	QPSK	13.51	14.99
	Low	16QAM	13.48	14.98
	Mid	QPSK	13.48	15.02
	Mid	16QAM	13.49	14.92
	High	QPSK	13.52	14.95
	High	16QAM	13.50	15.06
20	Low	QPSK	17.96	19.74
	Low	16QAM	17.97	19.65
	Mid	QPSK	17.97	19.75
	Mid	16QAM	17.99	19.83
	High	QPSK	17.98	19.75
	High	16QAM	18.01	19.75



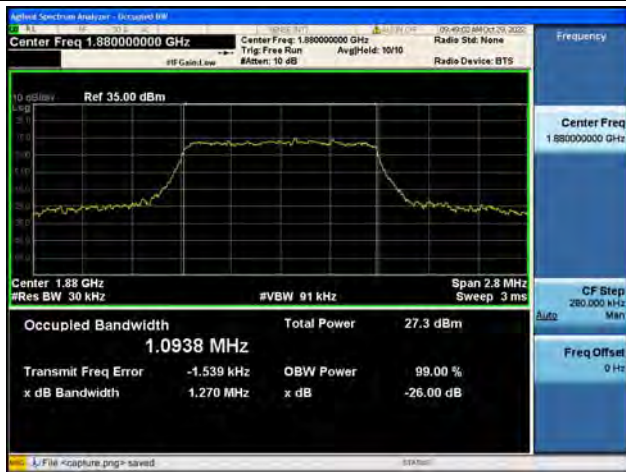
LTE Band 71				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.44
	Low	16QAM	4.53	6.19
	Mid	QPSK	4.52	5.16
	Mid	16QAM	4.52	5.13
	High	QPSK	4.52	5.16
	High	16QAM	4.52	5.11
10	Low	QPSK	9.00	10.03
	Low	16QAM	8.97	9.89
	Mid	QPSK	9.04	10.08
	Mid	16QAM	8.99	9.96
	High	QPSK	9.02	10.08
	High	16QAM	8.99	9.96
15	Low	QPSK	13.51	15.05
	Low	16QAM	13.49	15.08
	Mid	QPSK	13.55	15.03
	Mid	16QAM	13.51	15.02
	High	QPSK	13.51	14.99
	High	16QAM	13.48	14.93
20	Low	QPSK	17.99	24.89
	Low	16QAM	17.99	23.58
	Mid	QPSK	17.96	19.76
	Mid	16QAM	18.01	19.69
	High	QPSK	17.95	19.76
	High	16QAM	17.95	19.61



Band2 / 1.4MHz / QPSK/ Low CH



Band2 / 1.4MHz / 16QAM/ Low CH



Band2 / 1.4MHz / QPSK/ Mid CH



Band2 / 1.4MHz / 16QAM/ Mid CH



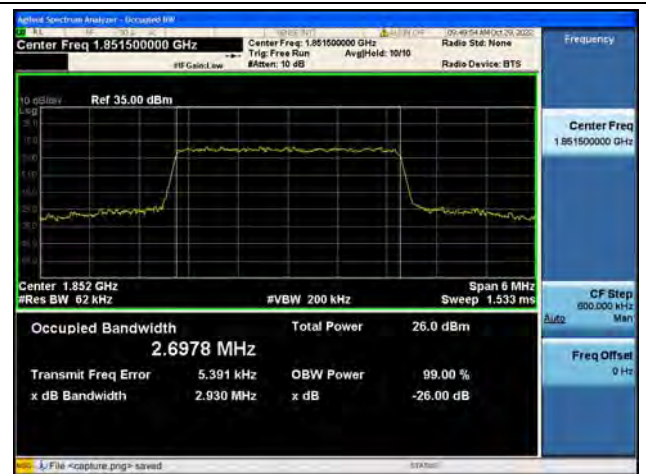
Band2 / 1.4MHz / QPSK/ High CH



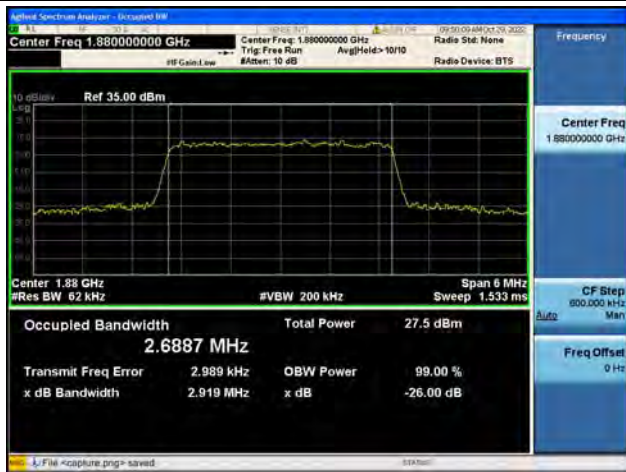
Band2 / 1.4MHz / 16QAM/ High CH



Band2 / 3MHz / QPSK/ Low CH



Band2 / 3MHz / 16QAM/ Low CH



Band2 / 3MHz / QPSK/ Mid CH



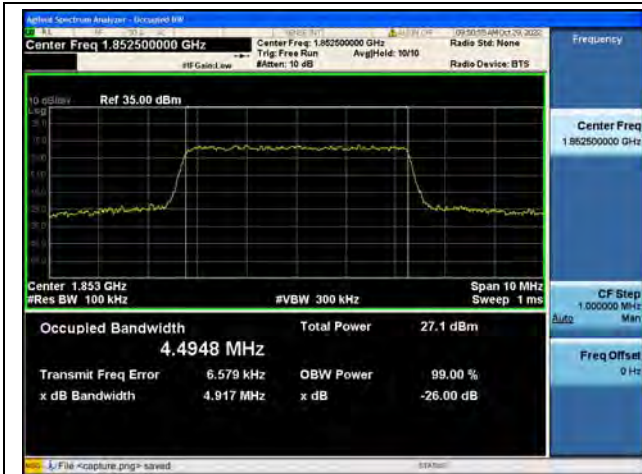
Band2 / 3MHz / 16QAM/ Mid CH



Band2 / 3MHz / QPSK/ High CH



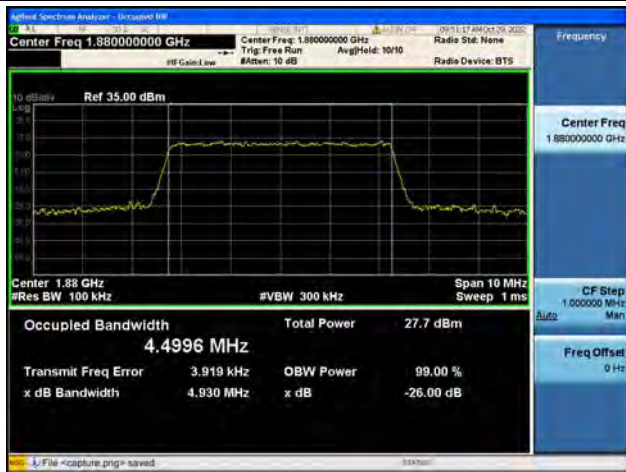
Band2 / 3MHz / 16QAM/ High CH



Band2 / 5MHz / QPSK/ Low CH



Band2 / 5MHz / 16QAM/ Low CH



Band2 / 5MHz / QPSK/ Mid CH



Band2 / 5MHz / 16QAM/ Mid CH



Band2 / 5MHz / QPSK/ High CH



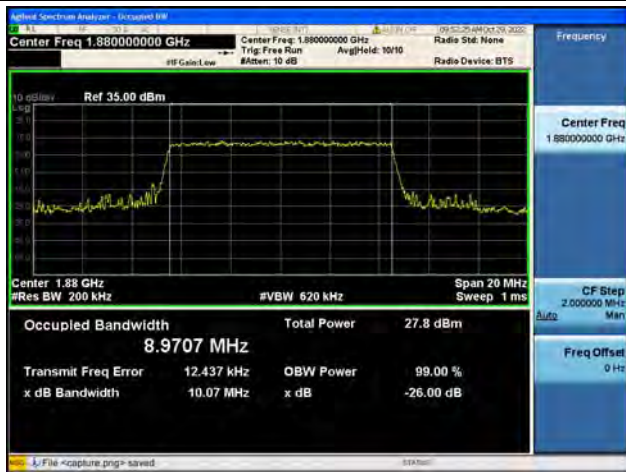
Band2 / 5MHz / 16QAM/ High CH



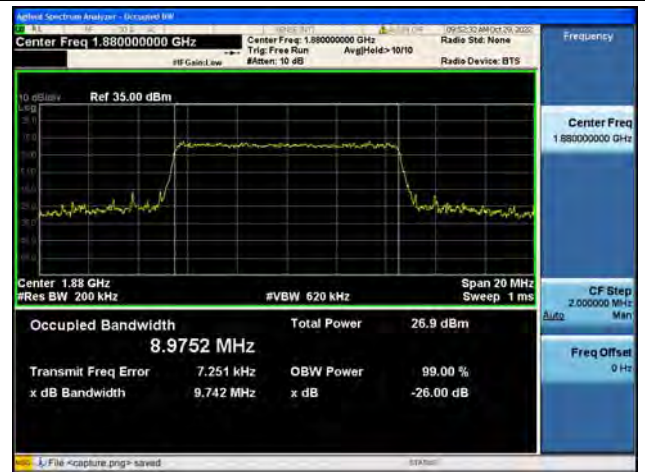
Band2 / 10MHz / QPSK/ Low CH



Band2 / 10MHz / 16QAM/ Low CH



Band2 / 10MHz / QPSK/ Mid CH



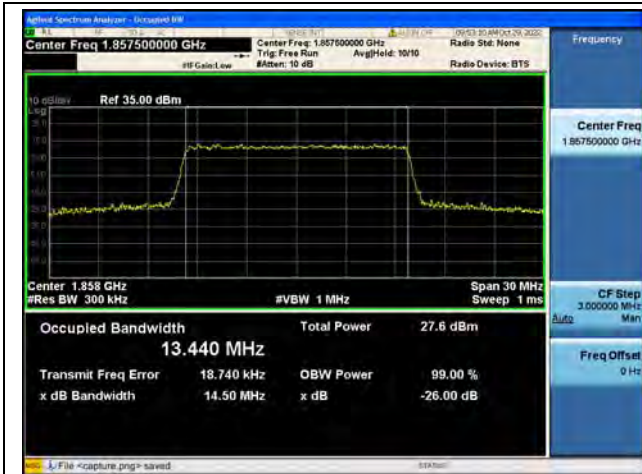
Band2 / 10MHz / 16QAM/ Mid CH



Band2 / 10MHz / QPSK/ High CH



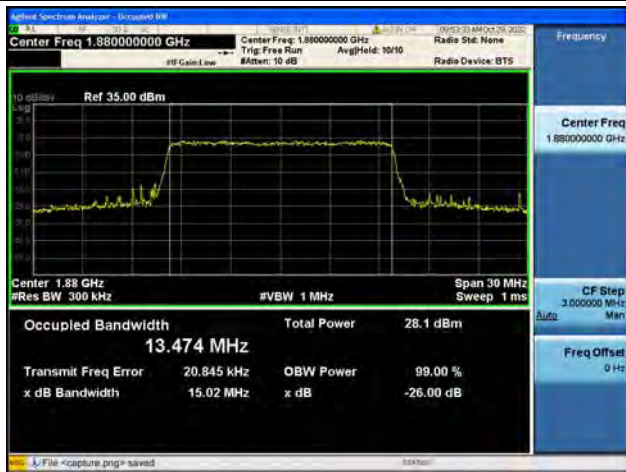
Band2 / 10MHz / 16QAM/ High CH



Band2 / 15MHz / QPSK/ Low CH



Band2 / 15MHz / 16QAM/ Low CH



Band2 / 15MHz / QPSK/ Mid CH



Band2 / 15MHz / 16QAM/ Mid CH



Band2 / 15MHz / QPSK/ High CH



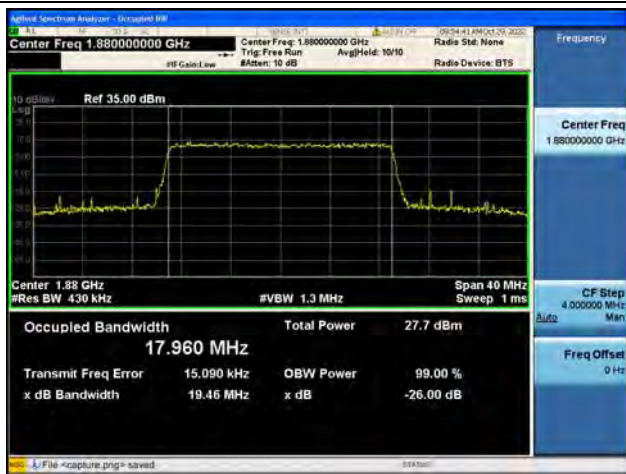
Band2 / 15MHz / 16QAM/ High CH



Band2 / 20MHz / QPSK/ Low CH



Band2 / 20MHz / 16QAM/ Low CH



Band2 / 20MHz / QPSK/ Mid CH



Band2 / 20MHz / 16QAM/ Mid CH



Band2 / 20MHz / QPSK/ High CH



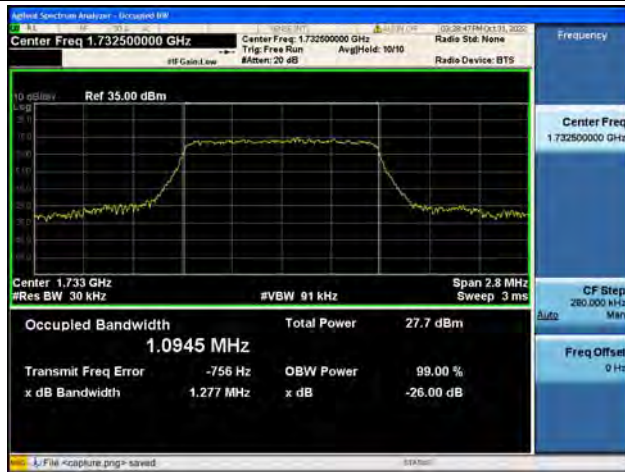
Band2 / 20MHz / 16QAM/ High CH



Band4 / 1.4MHz / QPSK/ Low CH



Band4 / 1.4MHz / 16QAM/ Low CH



Band4 / 1.4MHz / QPSK/ Mid CH



Band4 / 1.4MHz / 16QAM/ Mid CH



Band4 / 1.4MHz / QPSK/ High CH



Band4 / 1.4MHz / 16QAM/ High CH



Band4 / 3MHz / QPSK/ Low CH



Band4 / 3MHz / 16QAM/ Low CH



Band4 / 3MHz / QPSK/ Mid CH



Band4 / 3MHz / 16QAM/ Mid CH



Band4 / 3MHz / QPSK/ High CH



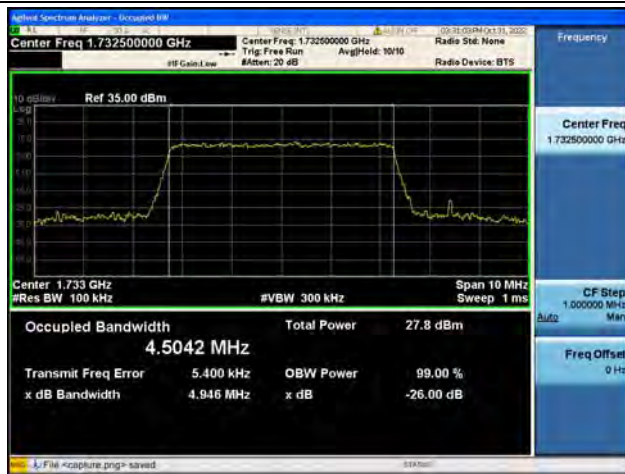
Band4 / 3MHz / 16QAM/ High CH



Band4 / 5MHz / QPSK/ Low CH



Band4 / 5MHz / 16QAM/ Low CH



Band4 / 5MHz / QPSK/ Mid CH



Band4 / 5MHz / 16QAM/ Mid CH



Band4 / 5MHz / QPSK/ High CH



Band4 / 5MHz / 16QAM/ High CH



Band4 / 10MHz / QPSK/ Low CH



Band4 / 10MHz / 16QAM/ Low CH



Band4 / 10MHz / QPSK/ Mid CH



Band4 / 10MHz / 16QAM/ Mid CH



Band4 / 10MHz / QPSK/ High CH



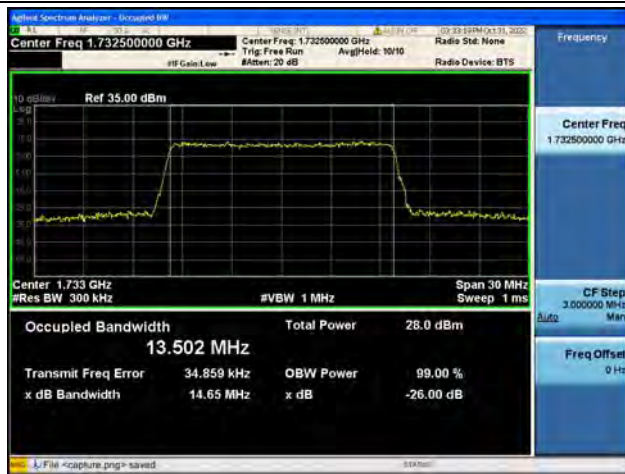
Band4 / 10MHz / 16QAM/ High CH



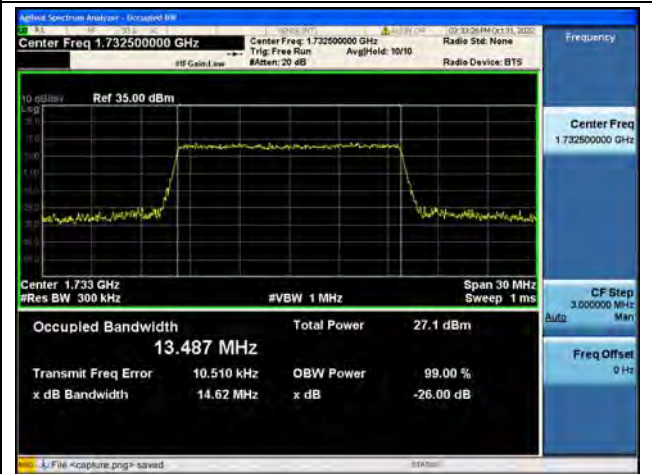
Band4 / 15MHz / QPSK/ Low CH



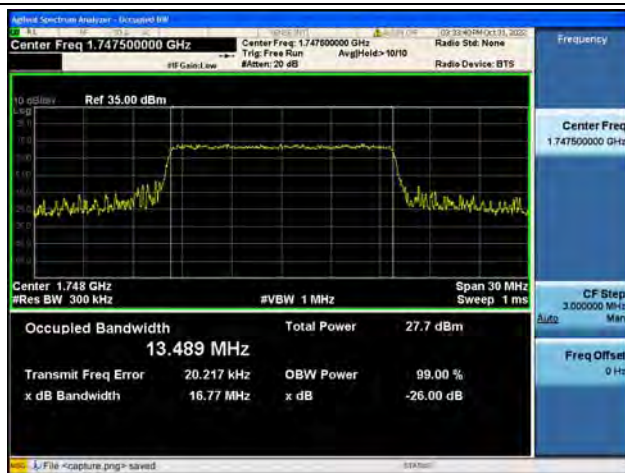
Band4 / 15MHz / 16QAM/ Low CH



Band4 / 15MHz / QPSK/ Mid CH



Band4 / 15MHz / 16QAM/ Mid CH



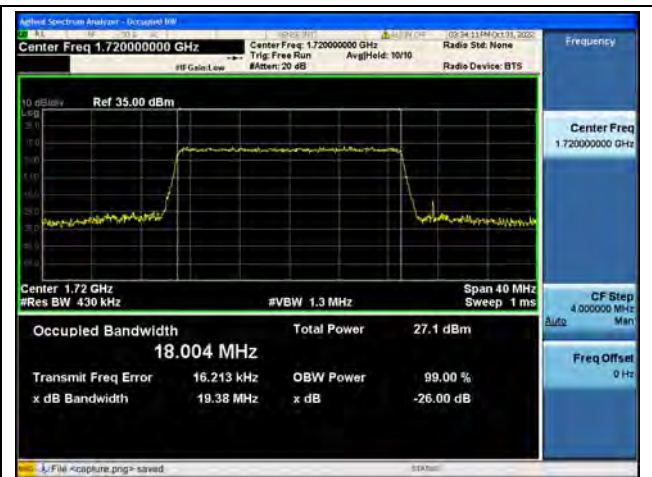
Band4 / 15MHz / QPSK/ High CH



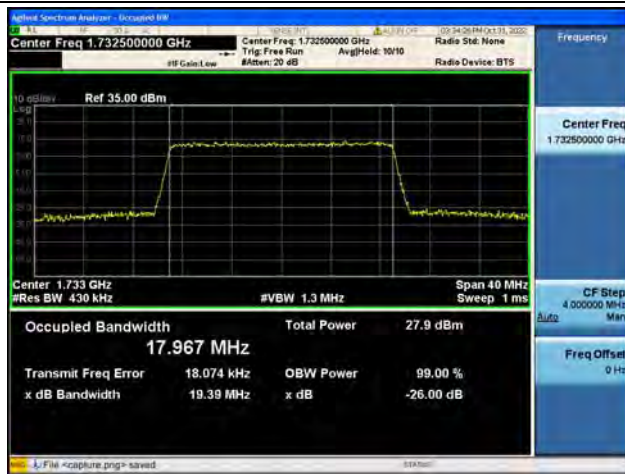
Band4 / 15MHz / 16QAM/ High CH



Band4 / 20MHz / QPSK/ Low CH



Band4 / 20MHz / 16QAM/ Low CH



Band4 / 20MHz / QPSK/ Mid CH



Band4 / 20MHz / 16QAM/ Mid CH



Band4 / 20MHz / QPSK/ High CH



Band4 / 20MHz / 16QAM/ High CH



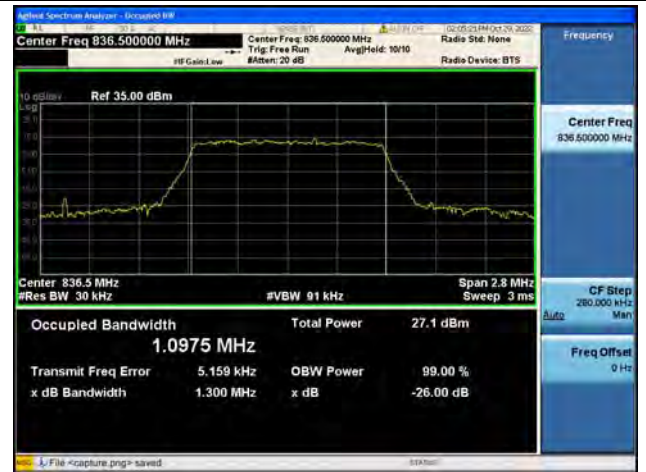
Band5 / 1.4MHz / QPSK/ Low CH



Band5 / 1.4MHz / 16QAM/ Low CH



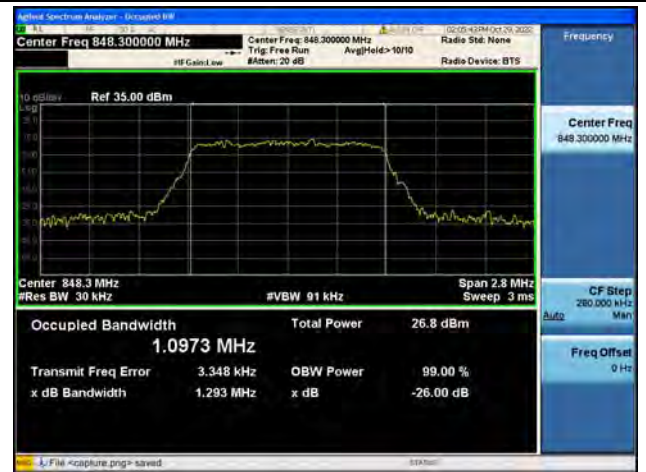
Band5 / 1.4MHz / QPSK/ Mid CH



Band5 / 1.4MHz / 16QAM/ Mid CH



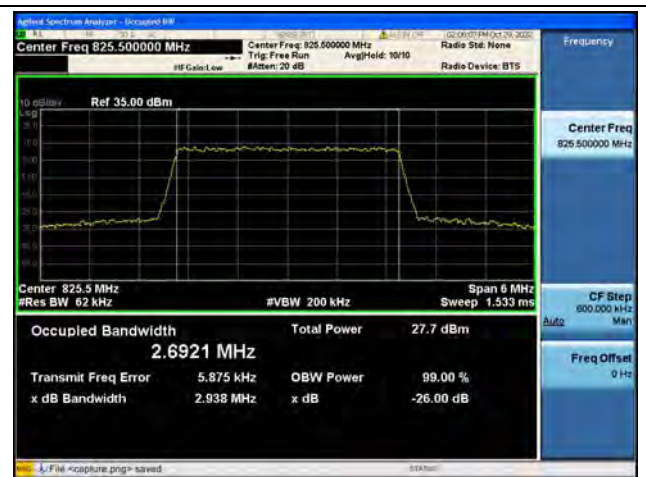
Band5 / 1.4MHz / QPSK/ High CH



Band5 / 1.4MHz / 16QAM/ High CH



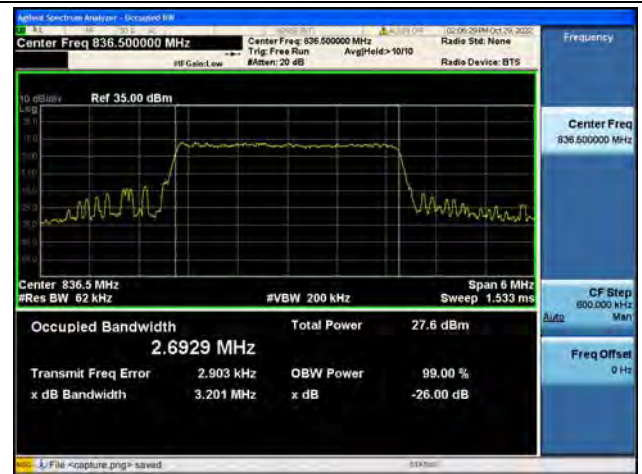
Band5 / 3MHz / QPSK/ Low CH



Band5 / 3MHz / 16QAM/ Low CH



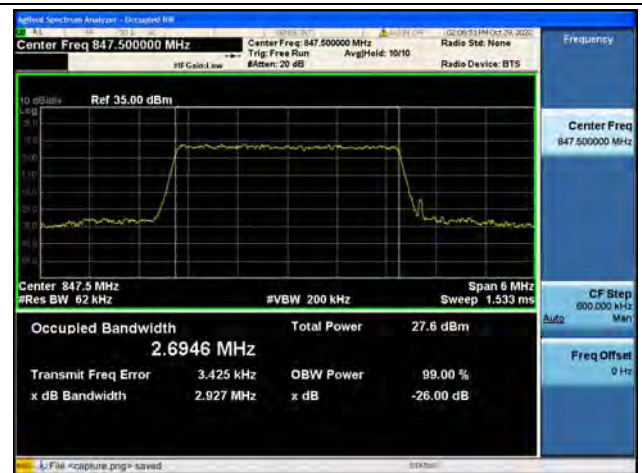
Band5 / 3MHz / QPSK/ Mid CH



Band5 / 3MHz / 16QAM/ Mid CH



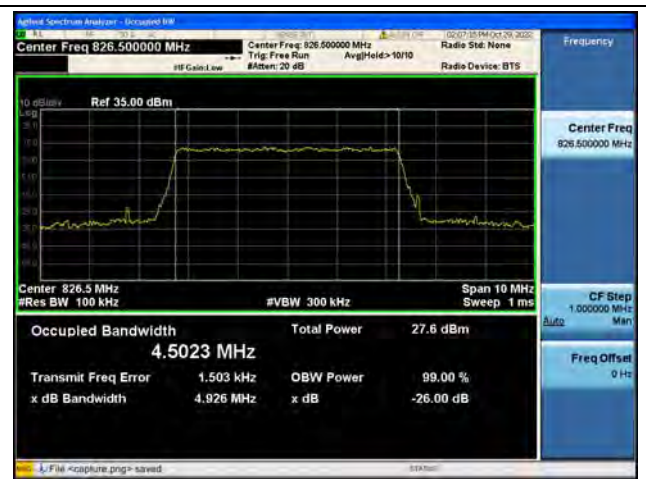
Band5 / 3MHz / QPSK/ High CH



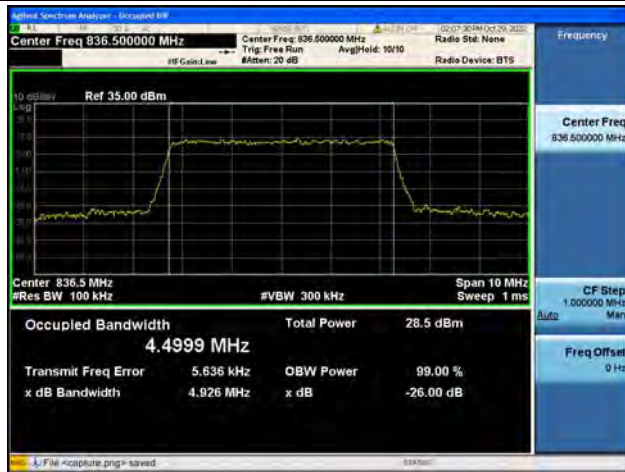
Band5 / 3MHz / 16QAM/ High CH



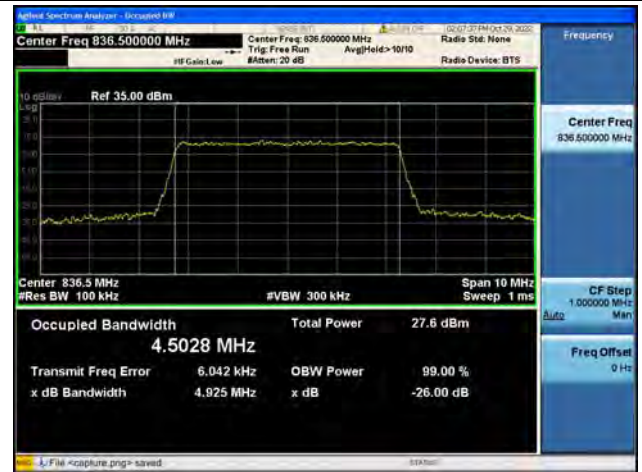
Band5 / 5MHz / QPSK/ Low CH



Band5 / 5MHz / 16QAM/ Low CH



Band5 / 5MHz / QPSK/ Mid CH



Band5 / 5MHz / 16QAM/ Mid CH



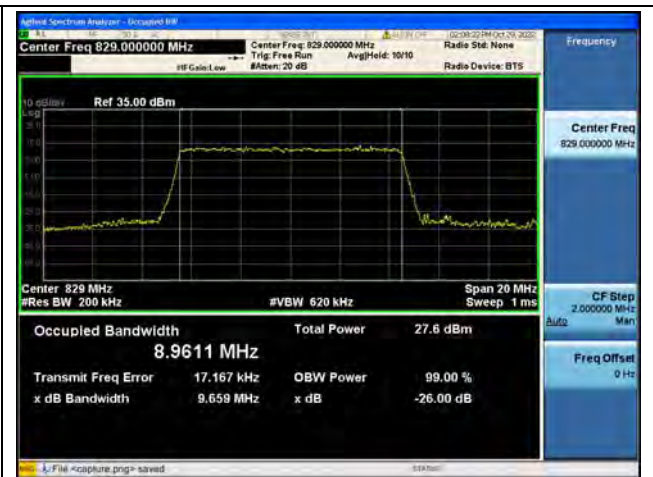
Band5 / 5MHz / QPSK/ High CH



Band5 / 5MHz / 16QAM/ High CH



Band5 / 10MHz / QPSK/ Low CH



Band5 / 10MHz / 16QAM/ Low CH



Band5 / 10MHz / QPSK/ Mid CH



Band5 / 10MHz / 16QAM/ Mid CH



Band5 / 10MHz / QPSK/ High CH



Band5 / 10MHz / 16QAM/ High CH



Band12 / 1.4MHz / QPSK/ Low CH



Band12 / 1.4MHz / 16QAM/ Low CH



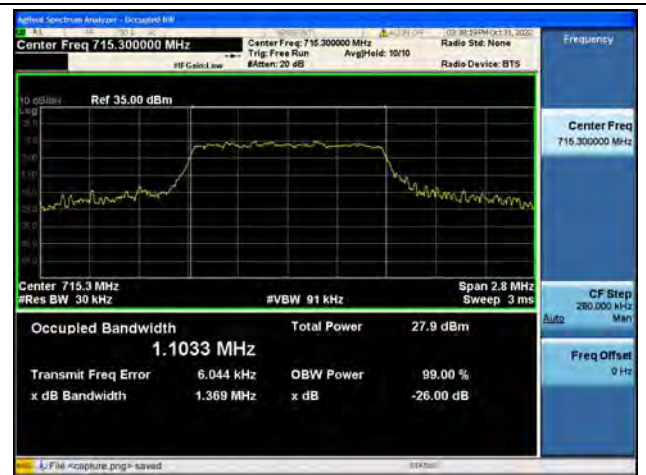
Band12 / 1.4MHz / QPSK/ Mid CH



Band12 / 1.4MHz / 16QAM/ Mid CH



Band12 / 1.4MHz / QPSK/ High CH



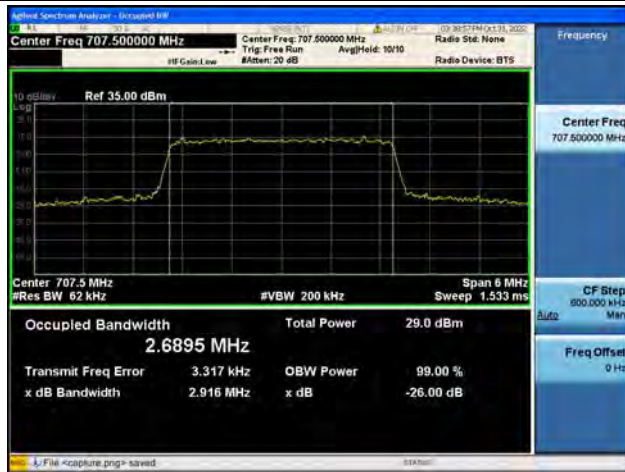
Band12 / 1.4MHz / 16QAM/ High CH



Band12 / 3MHz / QPSK/ Low CH



Band12 / 3MHz / 16QAM/ Low CH



Band12 / 3MHz / QPSK/ Mid CH



Band12 / 3MHz / 16QAM/ Mid CH



Band12 / 3MHz / QPSK/ High CH



Band12 / 3MHz / 16QAM/ High CH



Band12 / 5MHz / QPSK/ Low CH



Band12 / 5MHz / 16QAM/ Low CH



Band12 / 5MHz / QPSK/ Mid CH



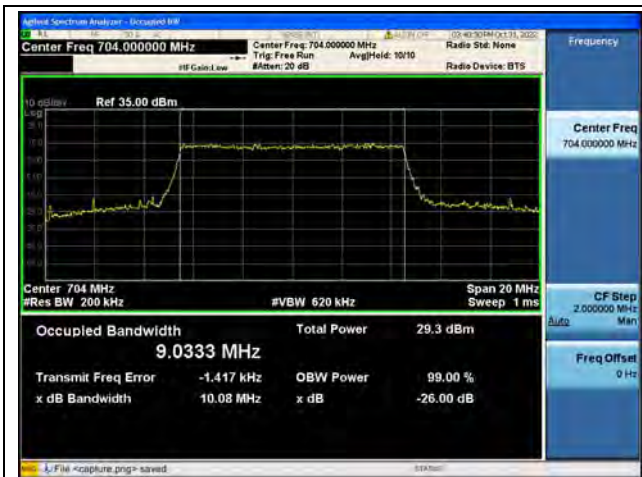
Band12 / 5MHz / 16QAM/ Mid CH



Band12 / 5MHz / QPSK/ High CH



Band12 / 5MHz / 16QAM/ High CH



Band12 / 10MHz / QPSK/ Low CH



Band12 / 10MHz / 16QAM/ Low CH



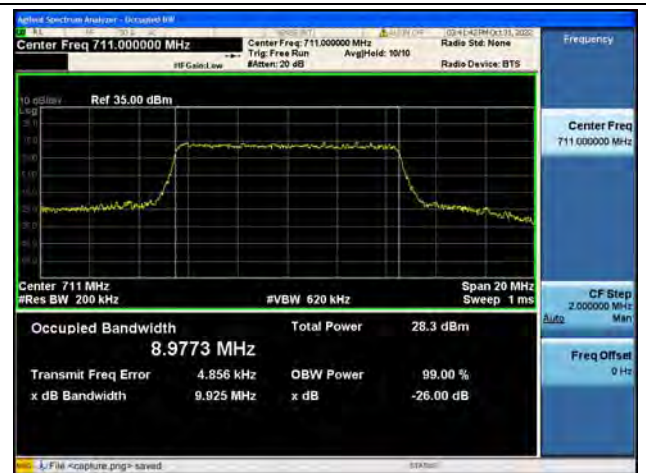
Band12 / 10MHz / QPSK/ Mid CH



Band12 / 10MHz / 16QAM/ Mid CH



Band12 / 10MHz / QPSK/ High CH



Band12 / 10MHz / 16QAM/ High CH



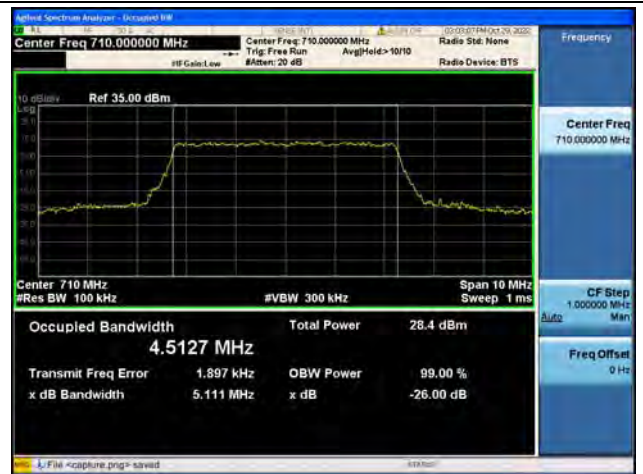
Band17 / 5MHz / QPSK/ Low CH



Band17 / 5MHz / 16QAM/ Low CH



Band17 / 5MHz / QPSK/ Mid CH



Band17 / 5MHz / 16QAM/ Mid CH



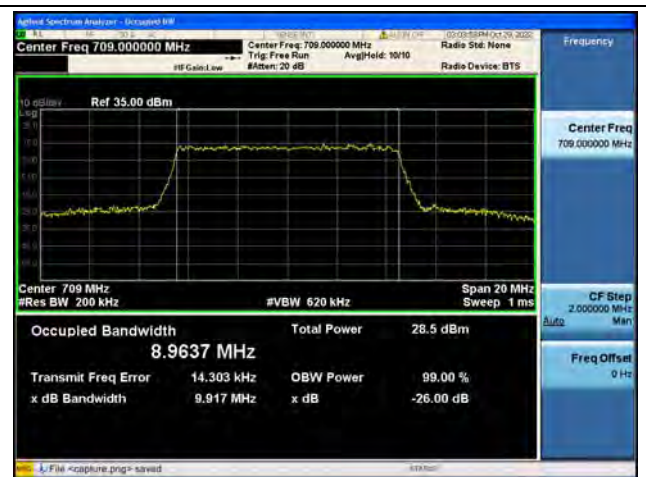
Band17 / 5MHz / QPSK/ High CH



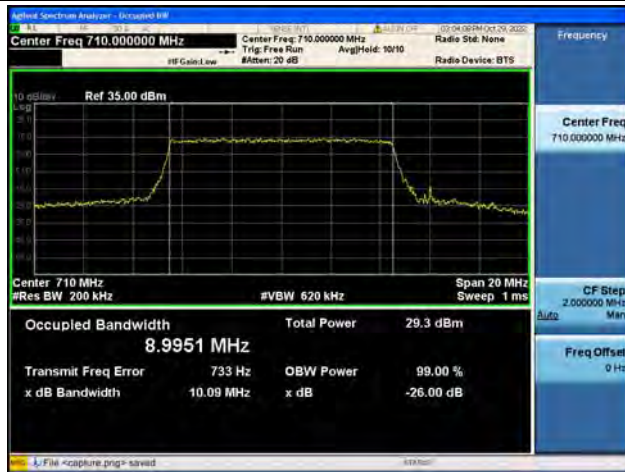
Band17 / 5MHz / 16QAM/ High CH



Band17 / 10MHz / QPSK/ Low CH



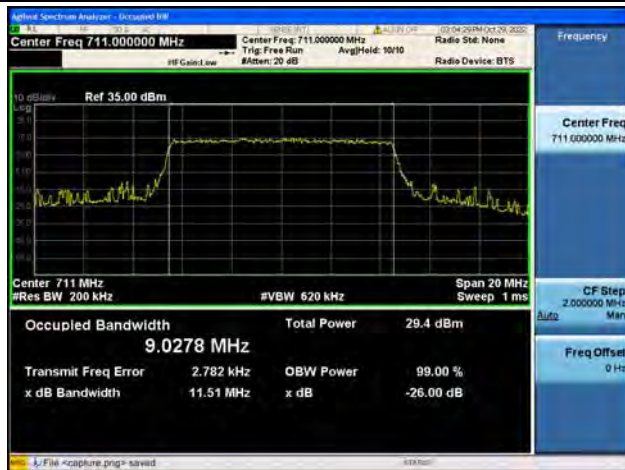
Band17 / 10MHz / 16QAM/ Low CH



Band17 / 10MHz / QPSK/ Mid CH



Band17 / 10MHz / 16QAM/ Mid CH



Band17 / 10MHz / QPSK/ High CH



Band17 / 10MHz / 16QAM/ High CH



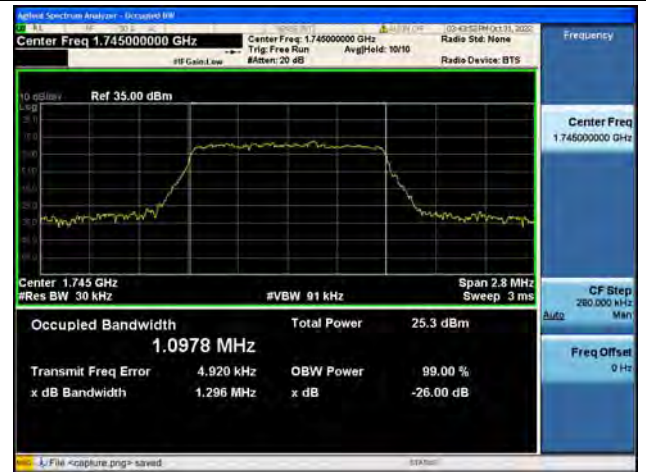
Band66 / 1.4MHz / QPSK/ Low CH



Band66 / 1.4MHz / 16QAM/ Low CH



Band66 / 1.4MHz / QPSK/ Mid CH



Band66 / 1.4MHz / 16QAM/ Mid CH



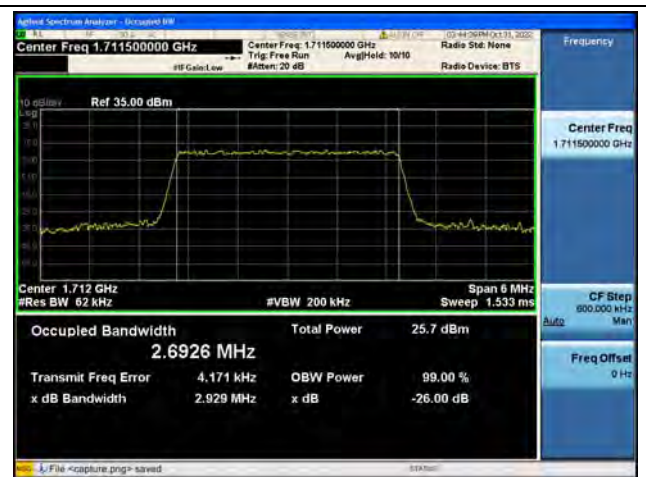
Band66 / 1.4MHz / QPSK/ High CH



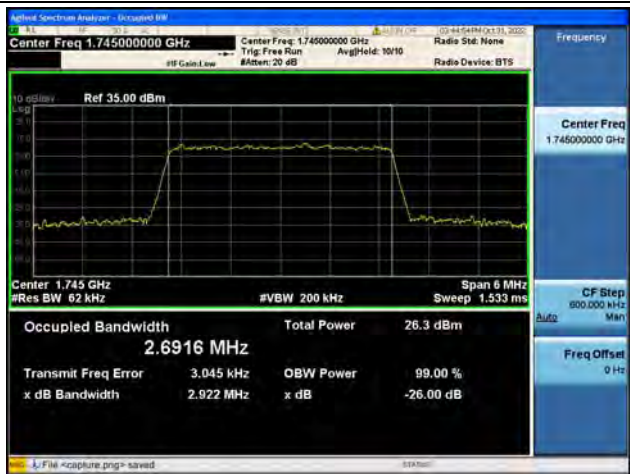
Band66 / 1.4MHz / 16QAM/ High CH



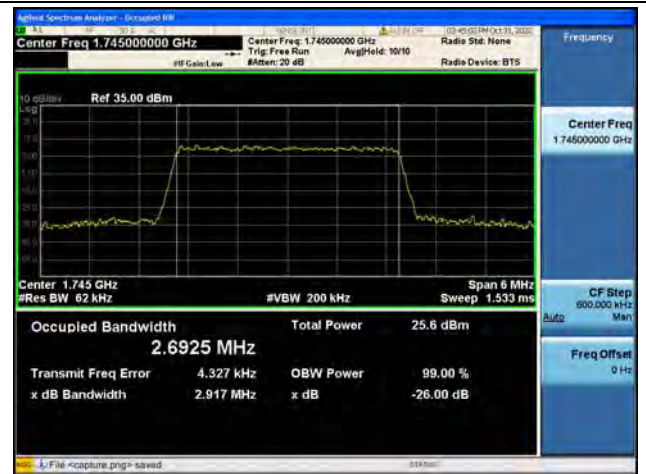
Band66 / 3MHz / QPSK/ Low CH



Band66 / 3MHz / 16QAM/ Low CH



Band66 / 3MHz / QPSK/ Mid CH



Band66 / 3MHz / 16QAM/ Mid CH



Band66 / 3MHz / QPSK/ High CH



Band66 / 3MHz / 16QAM/ High CH



Band66 / 5MHz / QPSK/ Low CH



Band66 / 5MHz / 16QAM/ Low CH



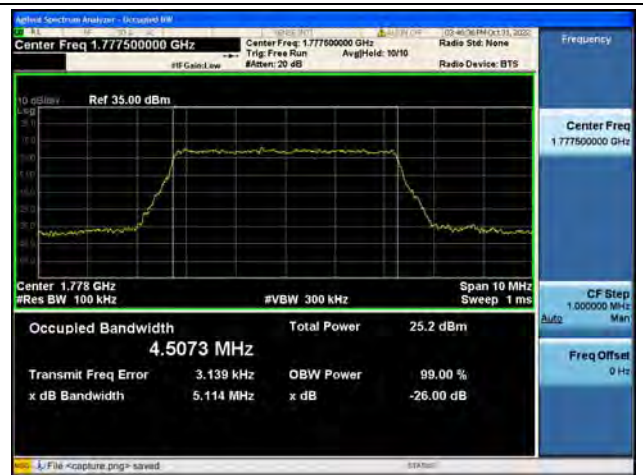
Band66 / 5MHz / QPSK/ Mid CH



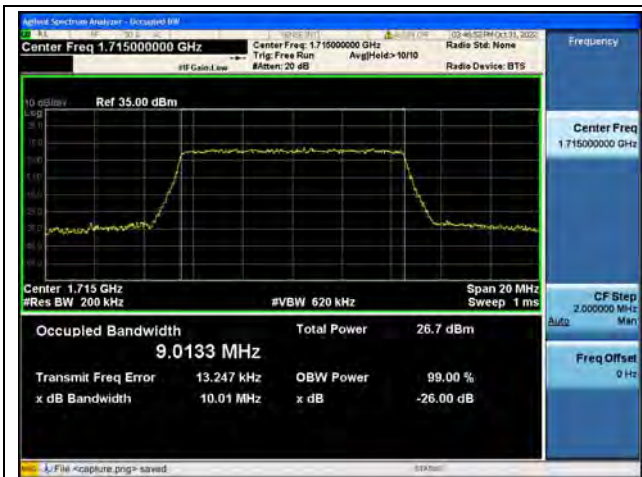
Band66 / 5MHz / 16QAM/ Mid CH



Band66 / 5MHz / QPSK/ High CH



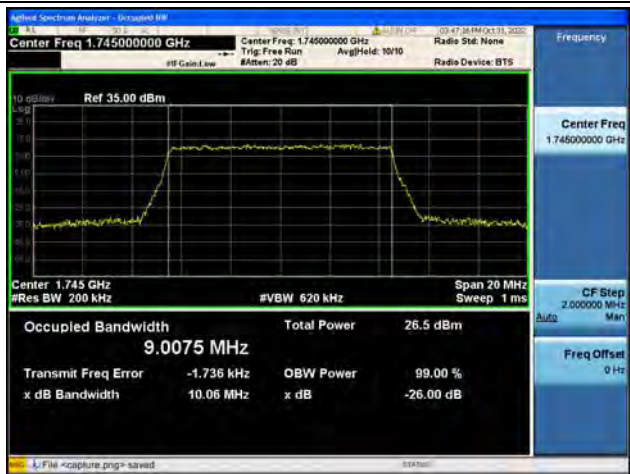
Band66 / 5MHz / 16QAM/ High CH



Band66 / 10MHz / QPSK/ Low CH



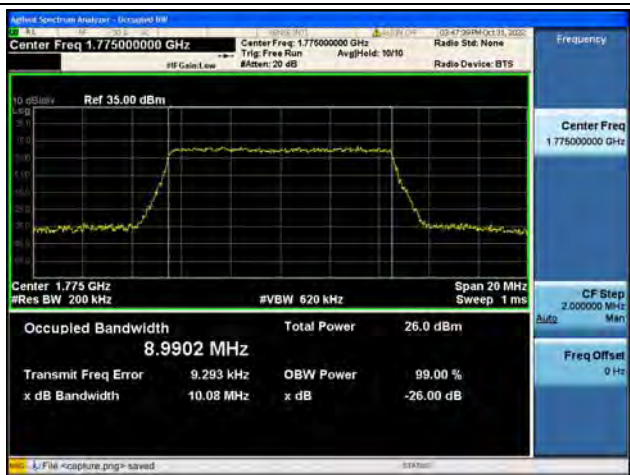
Band66 / 10MHz / 16QAM/ Low CH



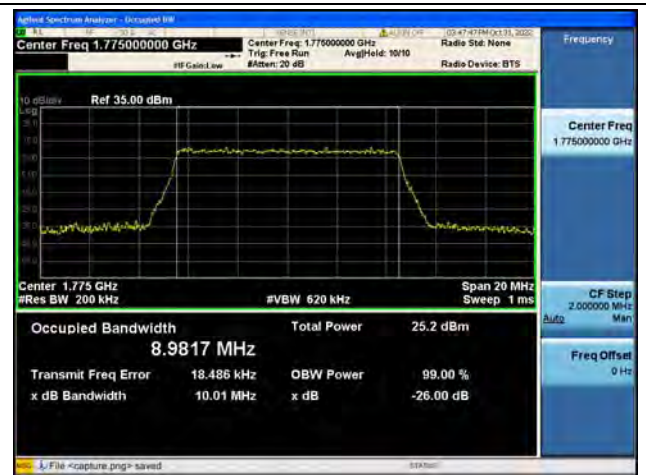
Band66 / 10MHz / QPSK/ Mid CH



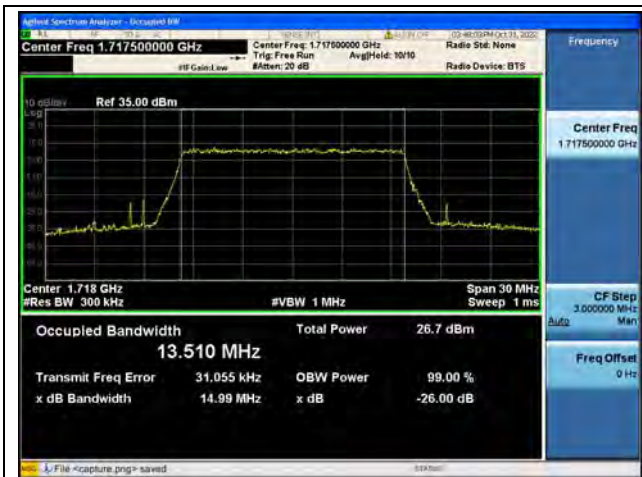
Band66 / 10MHz / 16QAM/ Mid CH



Band66 / 10MHz / QPSK/ High CH



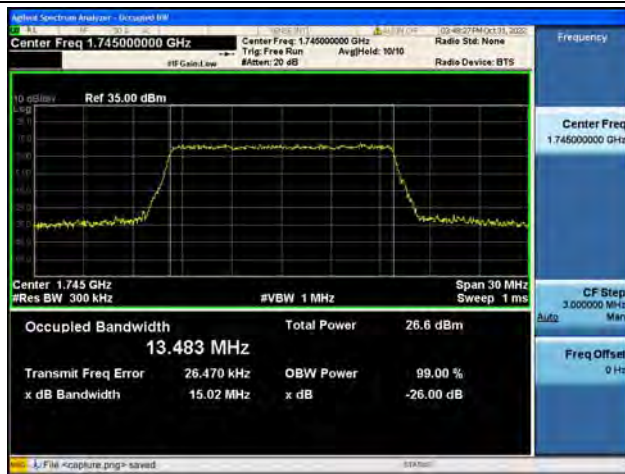
Band66 / 10MHz / 16QAM/ High CH



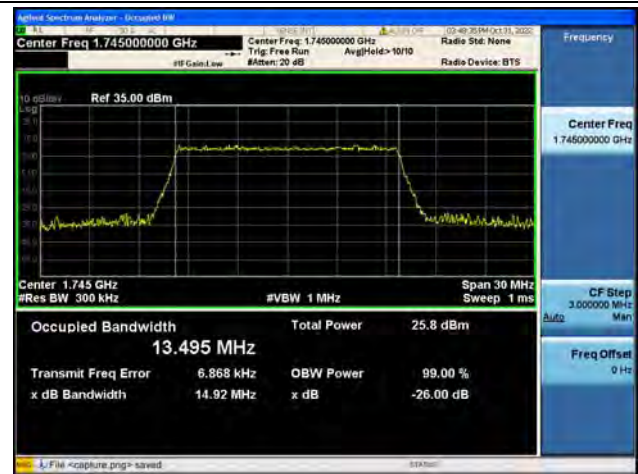
Band66 / 15MHz / QPSK/ Low CH



Band66 / 15MHz / 16QAM/ Low CH



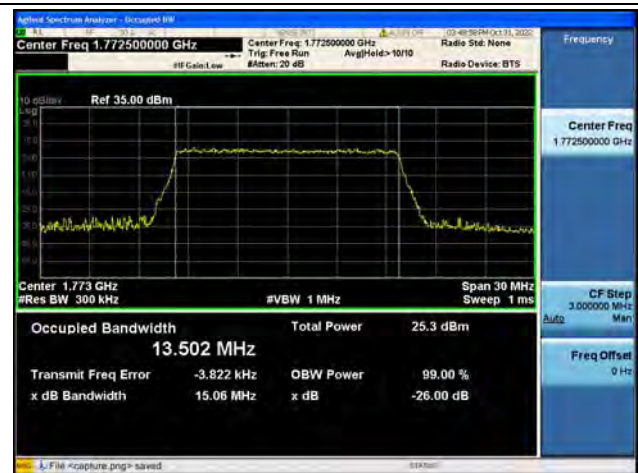
Band66 / 15MHz / QPSK/ Mid CH



Band66 / 15MHz / 16QAM/ Mid CH



Band66 / 15MHz / QPSK/ High CH



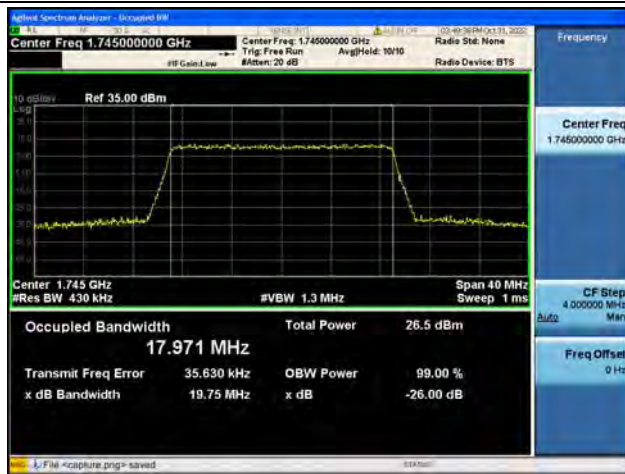
Band66 / 15MHz / 16QAM/ High CH



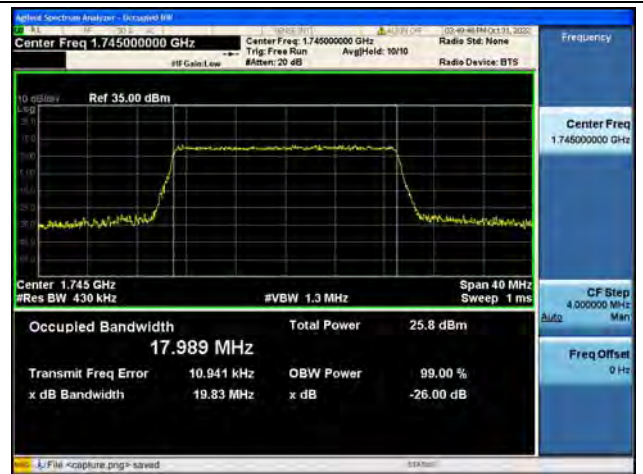
Band66 / 20MHz / QPSK/ Low CH



Band66 / 20MHz / 16QAM/ Low CH



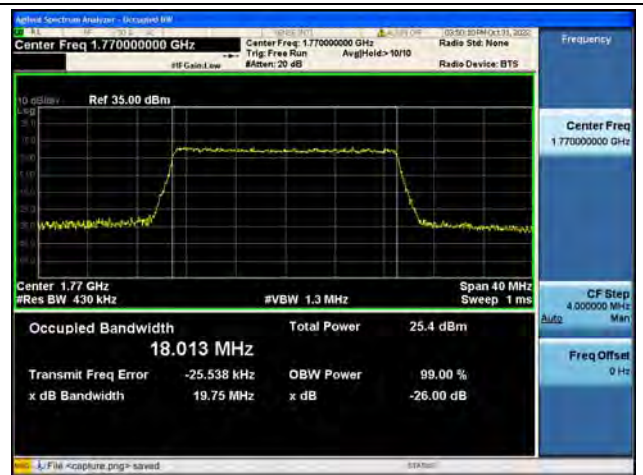
Band66 / 20MHz / QPSK/ Mid CH



Band66 / 20MHz / 16QAM/ Mid CH



Band66 / 20MHz / QPSK/ High CH



Band66 / 20MHz / 16QAM/ High CH



Band71 / 5MHz / QPSK/ Low CH



Band71 / 5MHz / 16QAM/ Low CH



Band71 / 5MHz / QPSK/ Mid CH



Band71 / 5MHz / 16QAM/ Mid CH



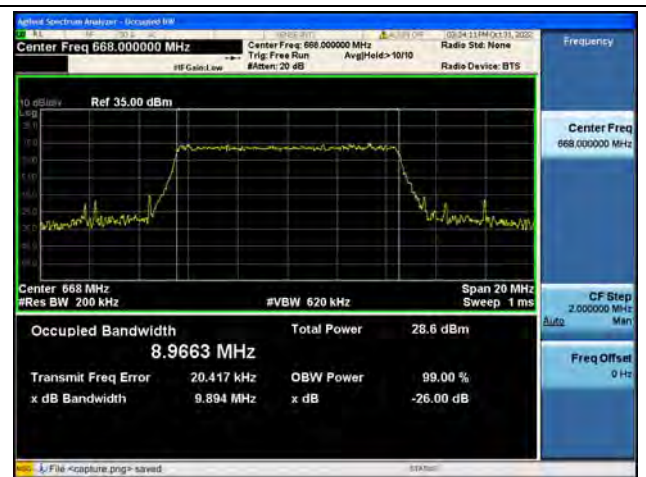
Band71 / 5MHz / QPSK/ High CH



Band71 / 5MHz / 16QAM/ High CH



Band71 / 10MHz / QPSK/ Low CH



Band71 / 10MHz / 16QAM/ Low CH



Band71 / 10MHz / QPSK/ Mid CH



Band71 / 10MHz / 16QAM/ Mid CH



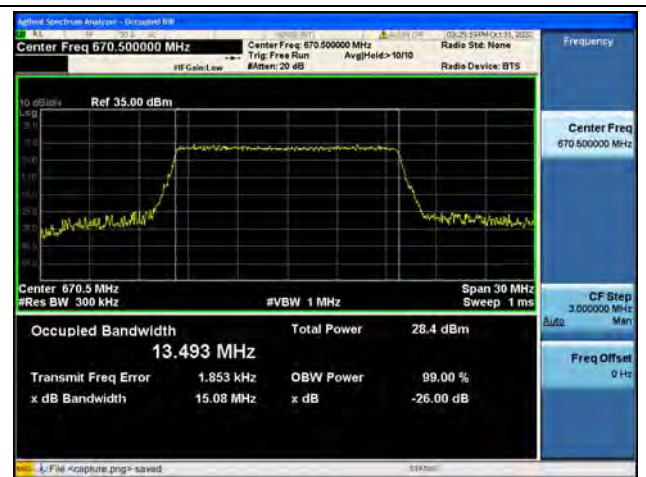
Band71 / 10MHz / QPSK/ High CH



Band71 / 10MHz / 16QAM/ High CH



Band71 / 15MHz / QPSK/ Low CH



Band71 / 15MHz / 16QAM/ Low CH



Band71 / 15MHz / QPSK/ Mid CH



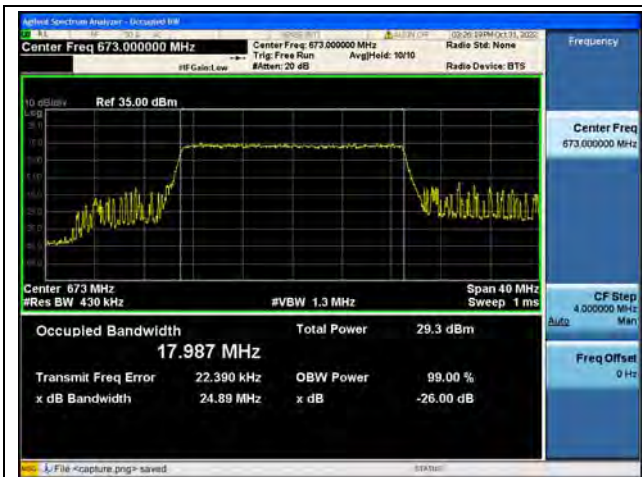
Band71 / 15MHz / 16QAM/ Mid CH



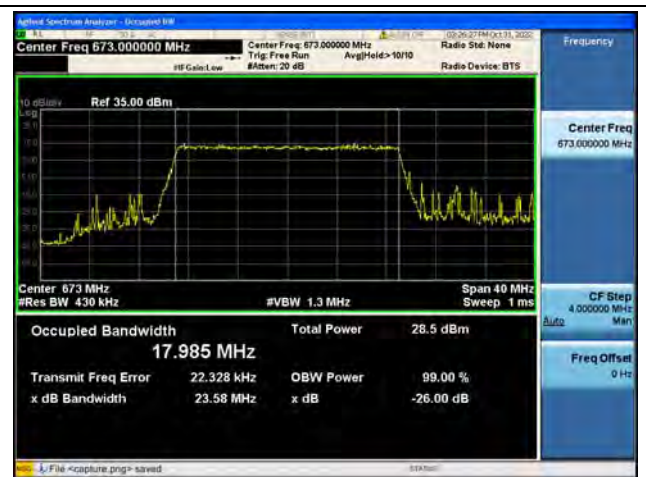
Band71 / 15MHz / QPSK/ High CH



Band71 / 15MHz / 16QAM/ High CH



Band71 / 20MHz / QPSK/ Low CH



Band71 / 20MHz / 16QAM/ Low CH



Band71 / 20MHz / QPSK/ Mid CH



Band71 / 20MHz / 16QAM/ Mid CH



Band71 / 20MHz / QPSK/ High CH



Band71 / 20MHz / 16QAM/ High CH

2.3. Frequency Stability

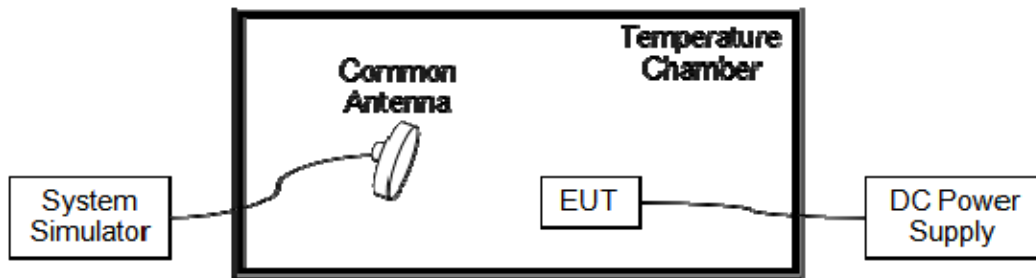
2.3.1. Requirement

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

- (a) The temperature is varied from -30°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 0°C to 55°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 3.55V, 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)	-36	-0.019	PASS
Normal		0	25	0.013	
Normal		+10	-17	-0.009	
Normal		+20	24	0.013	
Normal		+30	-14	-0.007	
Normal		+40	38	0.020	
Normal		+50	-48	-0.026	
Normal		+55	39	0.021	
High	4.35	+20	48	0.026	
BATT.ENDPOINT	3.55	+20	-52	-0.028	

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)	-15	-0.009	PASS
Normal		0	-17	-0.010	
Normal		+10	-23	-0.013	
Normal		+20	41	0.024	
Normal		+30	20	0.012	
Normal		+40	49	0.028	
Normal		+50	-58	-0.033	
Normal		+55	53	0.031	
High	4.35	+20	47	0.027	
BATT.ENDPOINT	3.55	+20	-18	-0.010	



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)	56	0.067	PASS
Normal		0	25	0.030	
Normal		+10	-51	-0.061	
Normal		+20	19	0.023	
Normal		+30	-45	-0.054	
Normal		+40	-18	-0.022	
Normal		+50	44	0.053	
Normal		+55	17	0.020	
High	4.35	+20	31	0.037	
BATT.ENDPOINT	3.55	+20	-28	-0.033	

LTE Band 12, QPSK, Channel 23095, Frequency 707.5MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	36	0.051	PASS
Normal		0	-40	-0.057	
Normal		+10	39	0.055	
Normal		+20	14	0.020	
Normal		+30	22	0.031	
Normal		+40	56	0.079	
Normal		+50	-53	-0.075	
Normal		+55	-41	-0.058	
High	4.35	+20	53	0.075	
BATT.ENDPOINT	3.55	+20	-59	-0.083	



LTE Band 17, QPSK, Channel 23790, Frequency 710MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-50	-0.070	PASS
Normal		0	45	0.063	
Normal		+10	-39	-0.055	
Normal		+20	47	0.066	
Normal		+30	-41	-0.058	
Normal		+40	-54	-0.076	
Normal		+50	51	0.072	
Normal		+55	16	0.023	
High	4.35	+20	23	0.032	
BATT.ENDPOINT	3.55	+20	53	0.075	

LTE Band 66, QPSK, Channel 132322, Frequency 1745.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	47	0.027	PASS
Normal		0	-16	-0.009	
Normal		+10	40	0.023	
Normal		+20	26	0.015	
Normal		+30	-48	-0.028	
Normal		+40	43	0.025	
Normal		+50	44	0.025	
Normal		+55	21	0.012	
High	4.35	+20	33	0.019	
BATT.ENDPOINT	3.55	+20	40	0.023	



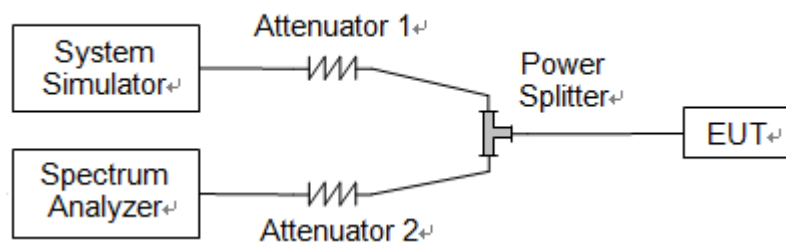
LTE Band 71, 64QAM, Channel 133322, Frequency 683.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-31	-0.045	PASS
Normal		0	14	0.020	
Normal		+10	-18	-0.026	
Normal		+20	28	0.041	
Normal		+30	31	0.045	
Normal		+40	41	0.060	
Normal		+50	15	0.022	
Normal		+55	-28	-0.041	
High	4.35	+20	35	0.051	
BATT.ENDPOINT	3.55	+20	27	0.040	

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%.



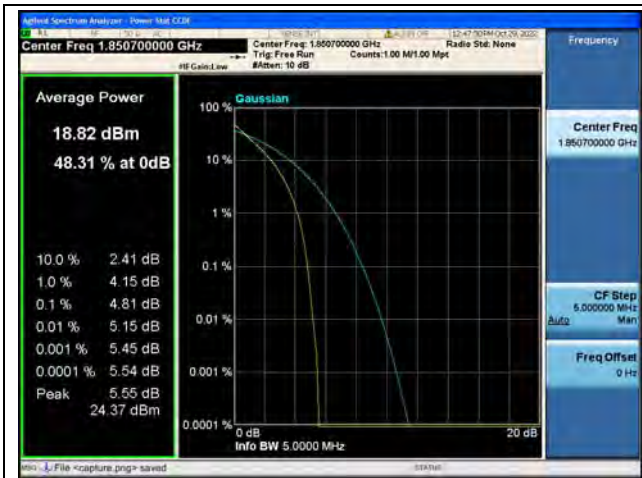
LTE Band 2					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	4.81	<=13	PASS
	Low	16QAM	5.65	<=13	PASS
	Mid	QPSK	5.00	<=13	PASS
	Mid	16QAM	5.86	<=13	PASS
	High	QPSK	4.47	<=13	PASS
	High	16QAM	5.30	<=13	PASS
3	Low	QPSK	4.96	<=13	PASS
	Low	16QAM	5.75	<=13	PASS
	Mid	QPSK	5.21	<=13	PASS
	Mid	16QAM	5.93	<=13	PASS
	High	QPSK	4.75	<=13	PASS
	High	16QAM	5.58	<=13	PASS
5	Low	QPSK	5.20	<=13	PASS
	Low	16QAM	5.83	<=13	PASS
	Mid	QPSK	5.39	<=13	PASS
	Mid	16QAM	5.99	<=13	PASS
	High	QPSK	5.13	<=13	PASS
	High	16QAM	5.78	<=13	PASS
10	Low	QPSK	5.19	<=13	PASS
	Low	16QAM	5.87	<=13	PASS
	Mid	QPSK	5.35	<=13	PASS
	Mid	16QAM	6.03	<=13	PASS
	High	QPSK	5.15	<=13	PASS
	High	16QAM	5.76	<=13	PASS
15	Low	QPSK	5.00	<=13	PASS
	Low	16QAM	5.69	<=13	PASS
	Mid	QPSK	5.19	<=13	PASS
	Mid	16QAM	5.89	<=13	PASS
	High	QPSK	4.79	<=13	PASS
	High	16QAM	5.50	<=13	PASS
20	Low	QPSK	5.13	<=13	PASS
	Low	16QAM	5.82	<=13	PASS
	Mid	QPSK	5.25	<=13	PASS
	Mid	16QAM	5.99	<=13	PASS
	High	QPSK	4.96	<=13	PASS
	High	16QAM	5.69	<=13	PASS



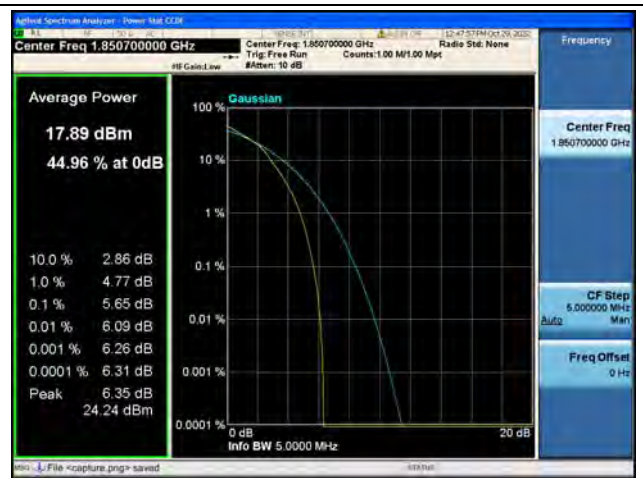
LTE Band 4					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.17	<=13	PASS
	Low	16QAM	5.92	<=13	PASS
	Mid	QPSK	5.49	<=13	PASS
	Mid	16QAM	6.23	<=13	PASS
	High	QPSK	4.72	<=13	PASS
	High	16QAM	5.59	<=13	PASS
3	Low	QPSK	5.35	<=13	PASS
	Low	16QAM	6.12	<=13	PASS
	Mid	QPSK	5.56	<=13	PASS
	Mid	16QAM	6.36	<=13	PASS
	High	QPSK	4.86	<=13	PASS
	High	16QAM	5.68	<=13	PASS
5	Low	QPSK	5.54	<=13	PASS
	Low	16QAM	6.15	<=13	PASS
	Mid	QPSK	5.72	<=13	PASS
	Mid	16QAM	6.31	<=13	PASS
	High	QPSK	5.18	<=13	PASS
	High	16QAM	5.83	<=13	PASS
10	Low	QPSK	5.62	<=13	PASS
	Low	16QAM	6.26	<=13	PASS
	Mid	QPSK	5.72	<=13	PASS
	Mid	16QAM	6.30	<=13	PASS
	High	QPSK	5.22	<=13	PASS
	High	16QAM	5.91	<=13	PASS
15	Low	QPSK	5.60	<=13	PASS
	Low	16QAM	6.25	<=13	PASS
	Mid	QPSK	5.59	<=13	PASS
	Mid	16QAM	6.29	<=13	PASS
	High	QPSK	5.06	<=13	PASS
	High	16QAM	5.78	<=13	PASS
20	Low	QPSK	5.60	<=13	PASS
	Low	16QAM	6.33	<=13	PASS
	Mid	QPSK	5.58	<=13	PASS
	Mid	16QAM	6.33	<=13	PASS
	High	QPSK	5.29	<=13	PASS
	High	16QAM	6.04	<=13	PASS



LTE Band 66					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.61	<=13	PASS
	Low	16QAM	6.36	<=13	PASS
	Mid	QPSK	5.55	<=13	PASS
	Mid	16QAM	6.32	<=13	PASS
	High	QPSK	5.65	<=13	PASS
	High	16QAM	6.41	<=13	PASS
3	Low	QPSK	5.70	<=13	PASS
	Low	16QAM	6.46	<=13	PASS
	Mid	QPSK	5.59	<=13	PASS
	Mid	16QAM	6.38	<=13	PASS
	High	QPSK	5.67	<=13	PASS
	High	16QAM	6.45	<=13	PASS
5	Low	QPSK	5.71	<=13	PASS
	Low	16QAM	6.40	<=13	PASS
	Mid	QPSK	5.65	<=13	PASS
	Mid	16QAM	6.32	<=13	PASS
	High	QPSK	5.79	<=13	PASS
	High	16QAM	6.37	<=13	PASS
10	Low	QPSK	5.79	<=13	PASS
	Low	16QAM	6.39	<=13	PASS
	Mid	QPSK	5.61	<=13	PASS
	Mid	16QAM	6.30	<=13	PASS
	High	QPSK	5.80	<=13	PASS
	High	16QAM	6.42	<=13	PASS
15	Low	QPSK	5.78	<=13	PASS
	Low	16QAM	6.41	<=13	PASS
	Mid	QPSK	5.61	<=13	PASS
	Mid	16QAM	6.28	<=13	PASS
	High	QPSK	5.76	<=13	PASS
	High	16QAM	6.39	<=13	PASS
20	Low	QPSK	5.80	<=13	PASS
	Low	16QAM	6.50	<=13	PASS
	Mid	QPSK	5.66	<=13	PASS
	Mid	16QAM	6.37	<=13	PASS
	High	QPSK	5.73	<=13	PASS
	High	16QAM	6.43	<=13	PASS



Band2 / 1.4MHz / Low CH / QPSK



Band2 / 1.4MHz / Low CH / 16QAM



Band2 / 1.4MHz / Mid CH / QPSK



Band2 / 1.4MHz / Mid CH / 16QAM



Band2 / 1.4MHz / High CH / QPSK



Band2 / 1.4MHz / High CH / 16QAM



Band2 / 3MHz / Low CH / QPSK



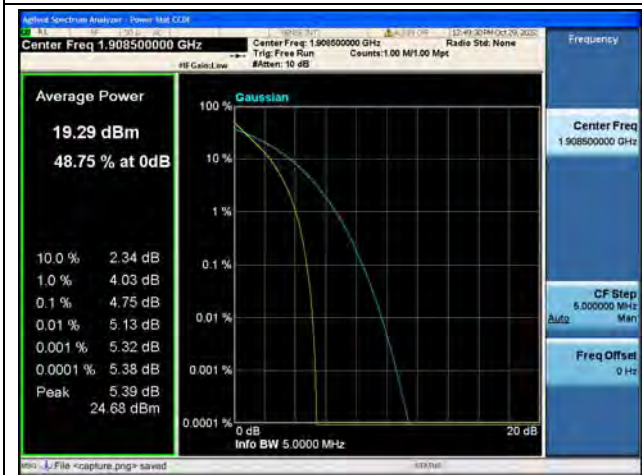
Band2 / 3MHz / Low CH / 16QAM



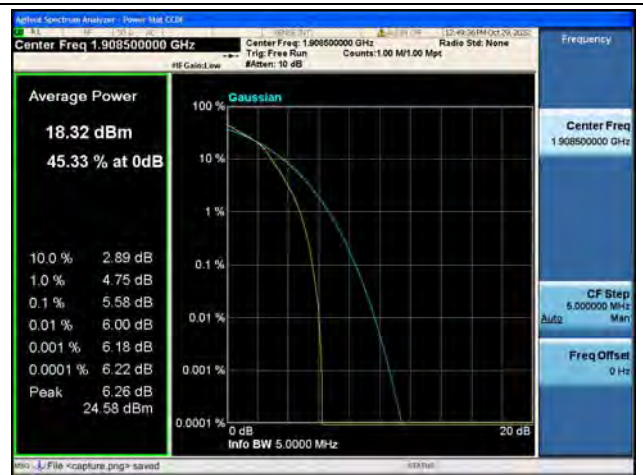
Band2 / 3MHz / Mid CH / QPSK



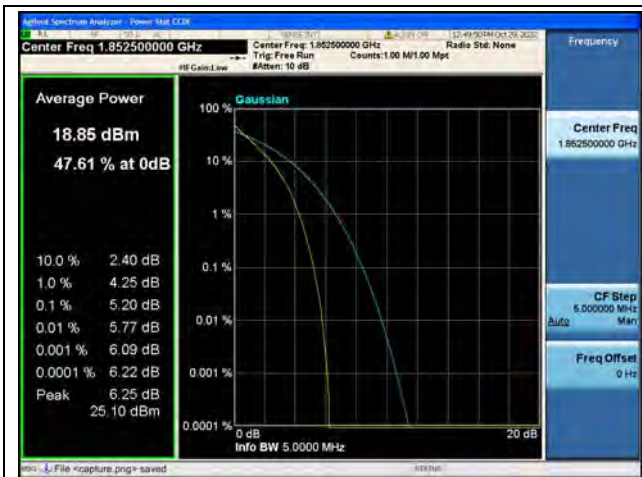
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Band2 / 3MHz / High CH / QPSK



Band2 / 3MHz / High CH / 16QAM



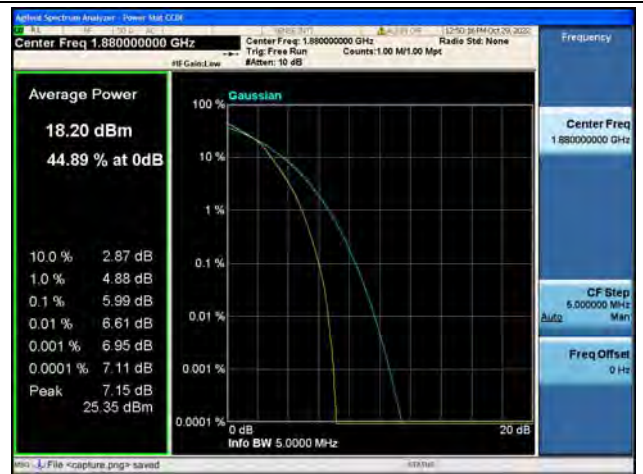
Band2 / 5MHz / Low CH / QPSK



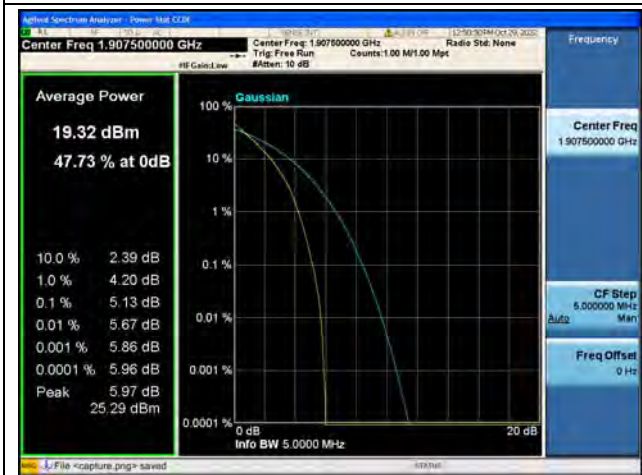
Band2 / 5MHz / Low CH / 16QAM



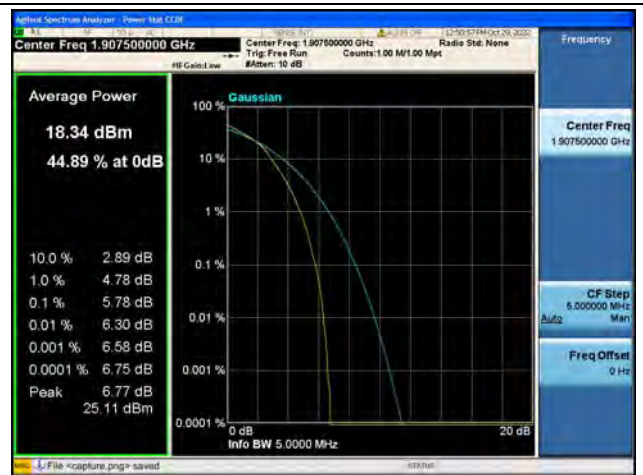
Band2 / 5MHz / Mid CH / QPSK



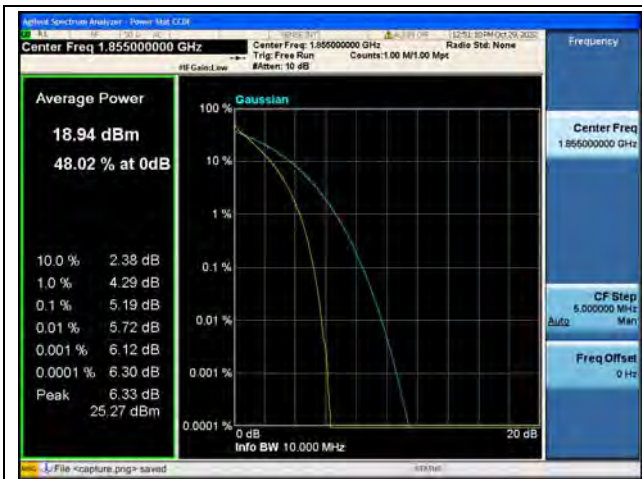
Band2 / 5MHz / Mid CH / 16QAM



Band2 / 5MHz / High CH / QPSK



Band2 / 5MHz / High CH / 16QAM



Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM



Band2 / 10MHz / Mid CH / QPSK



Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM



Band2 / 15MHz / Low CH / QPSK



Band2 / 15MHz / Low CH / 16QAM



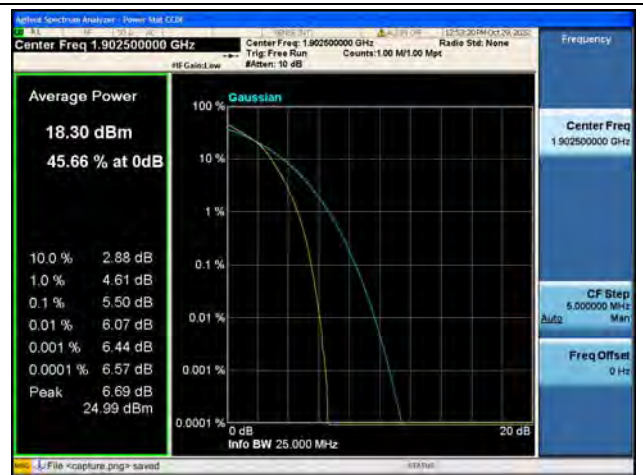
Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM



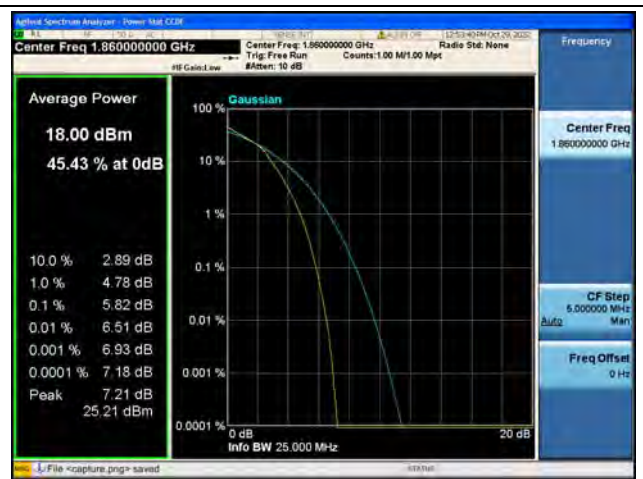
Band2 / 15MHz / High CH / QPSK



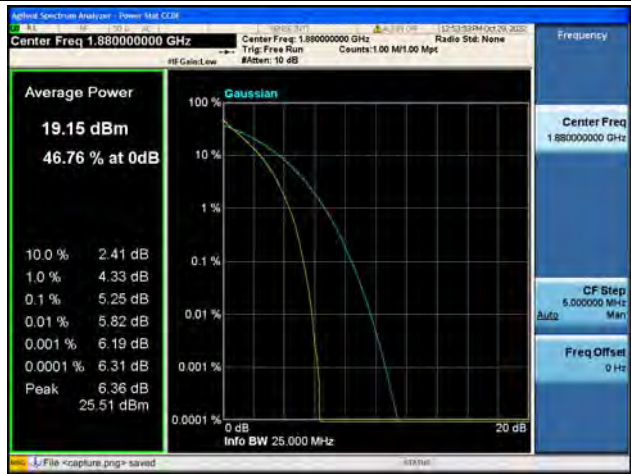
Band2 / 15MHz / High CH / 16QAM



Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM



Band2 / 20MHz / Mid CH / QPSK



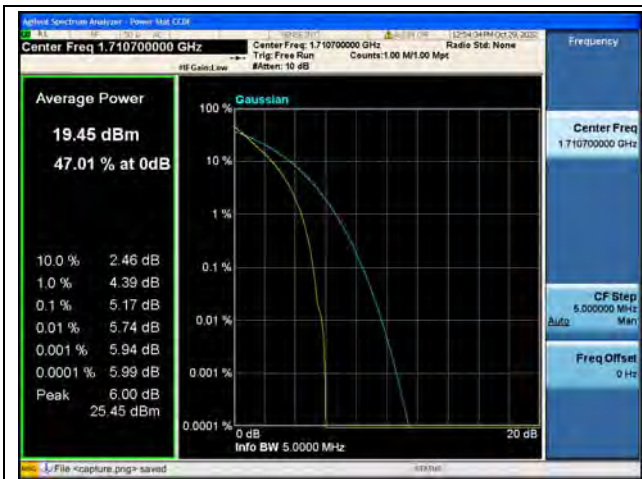
Band2 / 20MHz / Mid CH / 16QAM



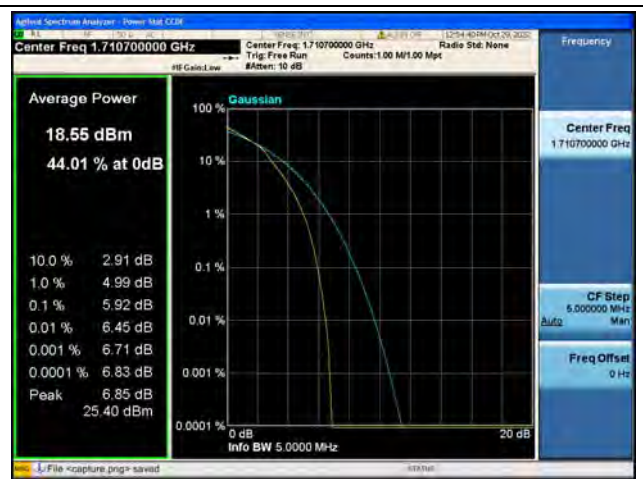
Band2 / 20MHz / High CH / QPSK



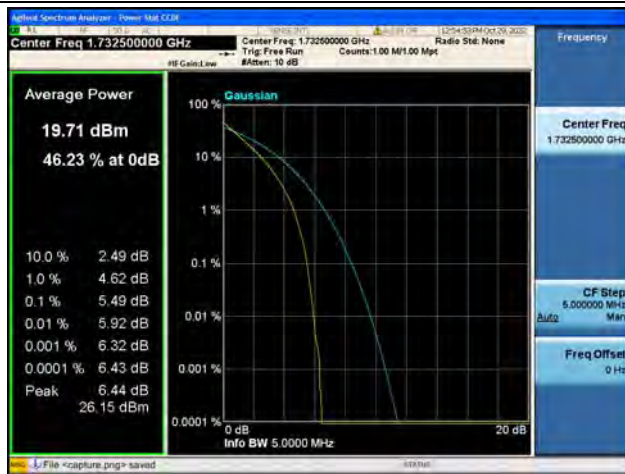
Band2 / 20MHz / High CH / 16QAM



Band4 / 1.4MHz / Low CH / QPSK



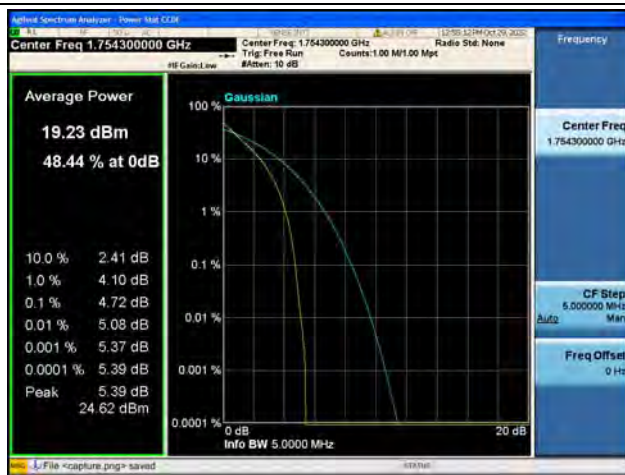
Band4 / 1.4MHz / Low CH / 16QAM



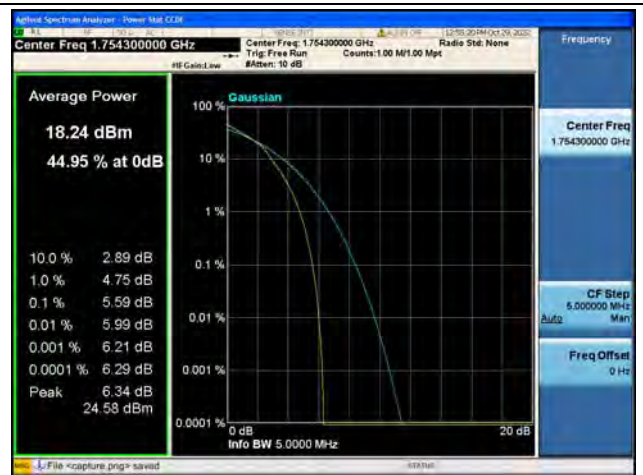
Band4 / 1.4MHz / Mid CH / QPSK



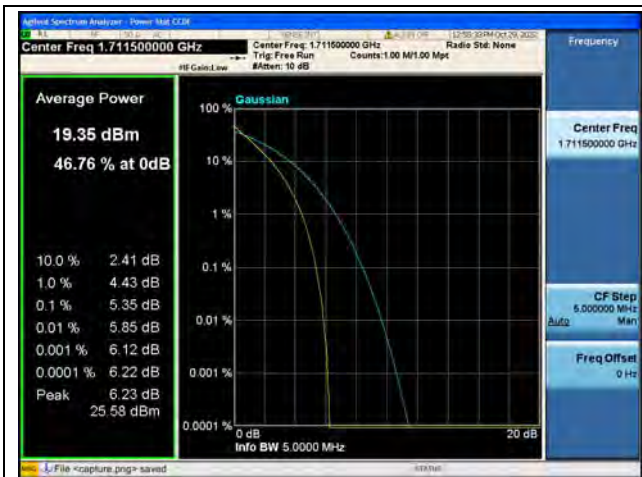
Band4 / 1.4MHz / Mid CH / 16QAM



Band4 / 1.4MHz / High CH / QPSK



Band4 / 1.4MHz / High CH / 16QAM



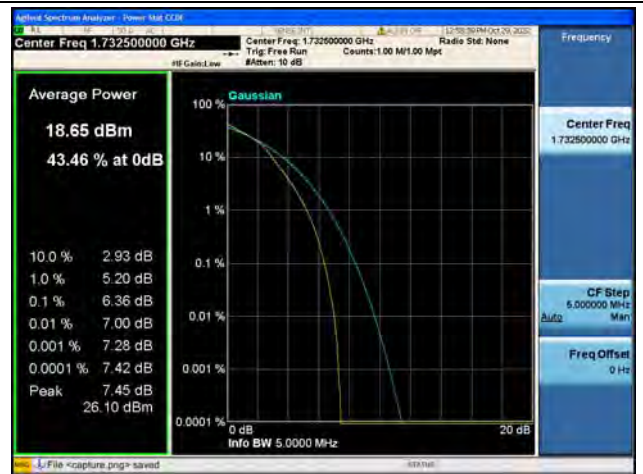
Band4 / 3MHz / Low CH / QPSK



Band4 / 3MHz / Low CH / 16QAM



Band4 / 3MHz / Mid CH / QPSK



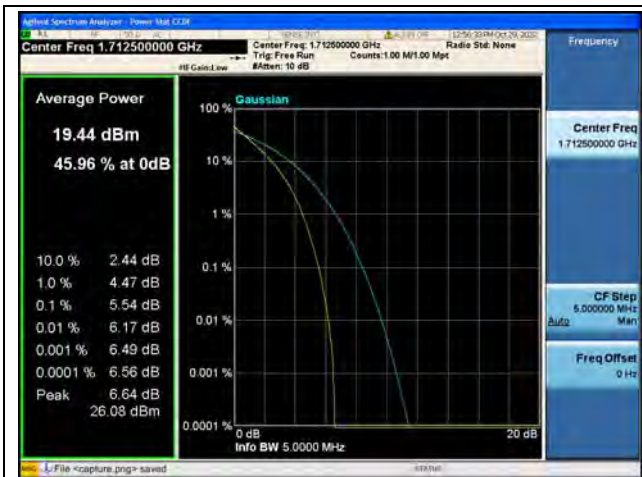
Band4 / 3MHz / Mid CH / 16QAM



Band4 / 3MHz / High CH / QPSK



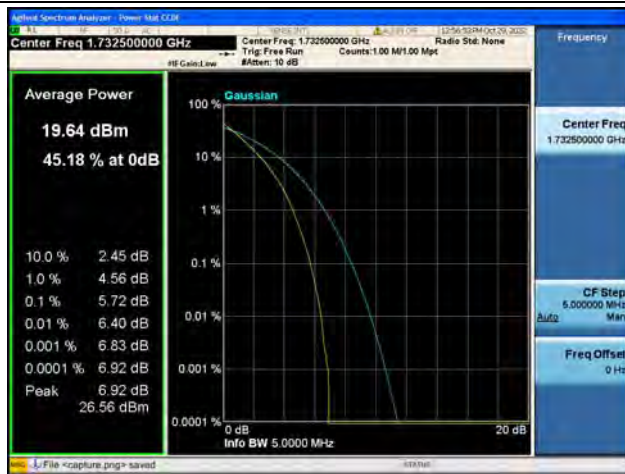
Band4 / 3MHz / High CH / 16QAM



Band4 / 5MHz / Low CH / QPSK



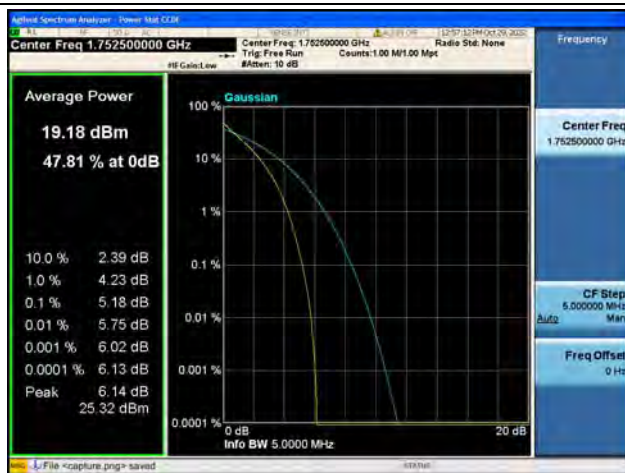
Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Mid CH / QPSK



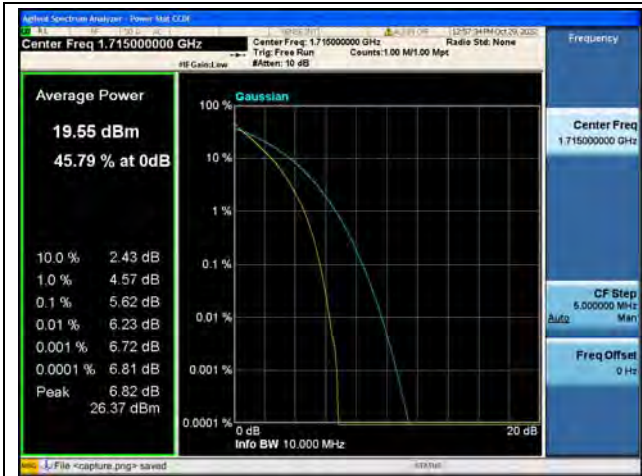
Band4 / 5MHz / Mid CH / 16QAM



Band4 / 5MHz / High CH / QPSK



Band4 / 5MHz / High CH / 16QAM



Band4 / 10MHz / Low CH / QPSK



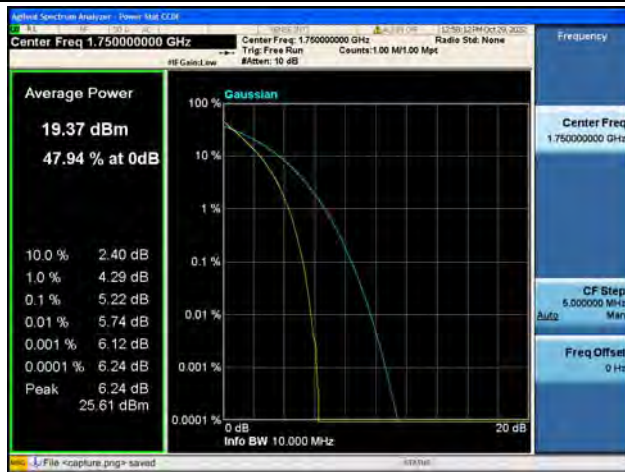
Band4 / 10MHz / Low CH / 16QAM



Band4 / 10MHz / Mid CH / QPSK



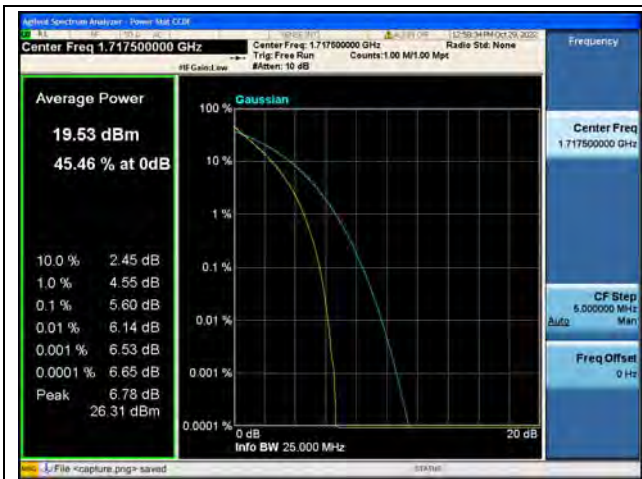
Band4 / 10MHz / Mid CH / 16QAM



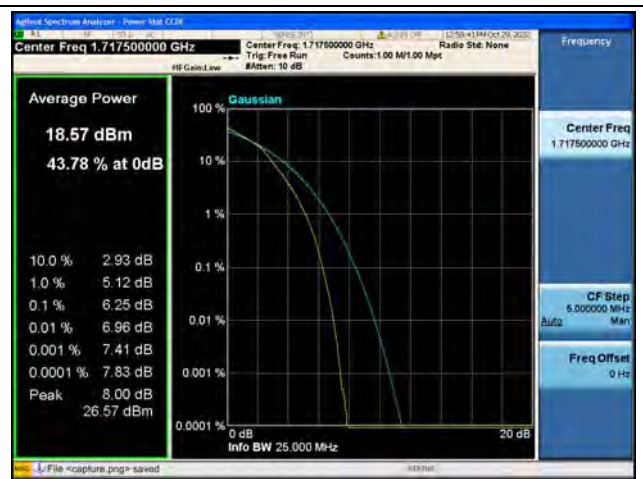
Band4 / 10MHz / High CH / QPSK



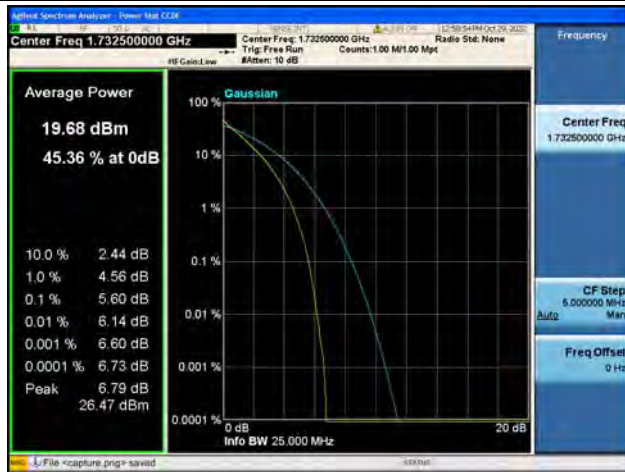
Band4 / 10MHz / High CH / 16QAM



Band4 / 15MHz / Low CH / QPSK



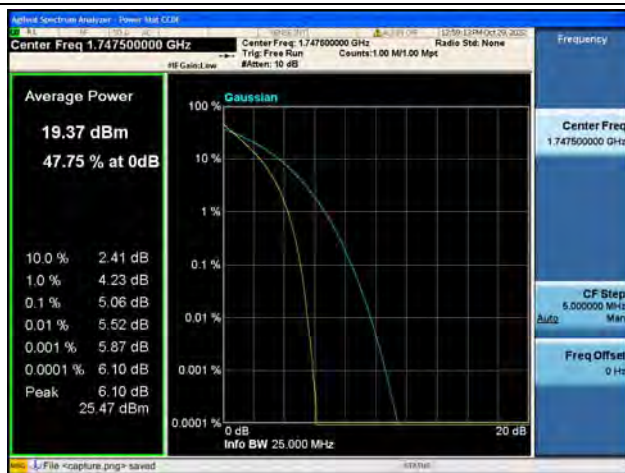
Band4 / 15MHz / Low CH / 16QAM



Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM



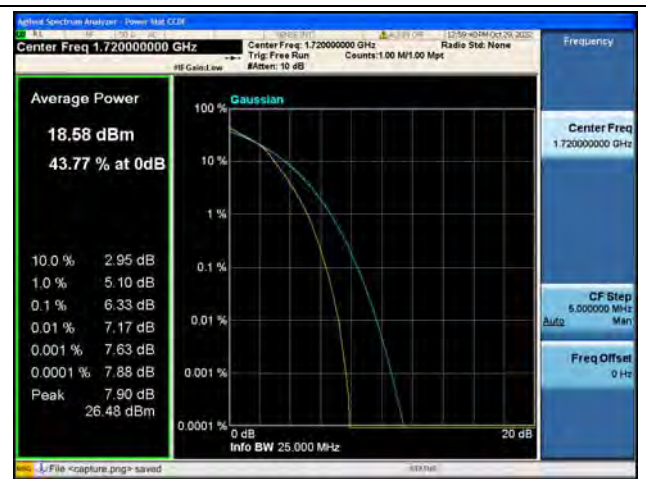
Band4 / 15MHz / High CH / QPSK



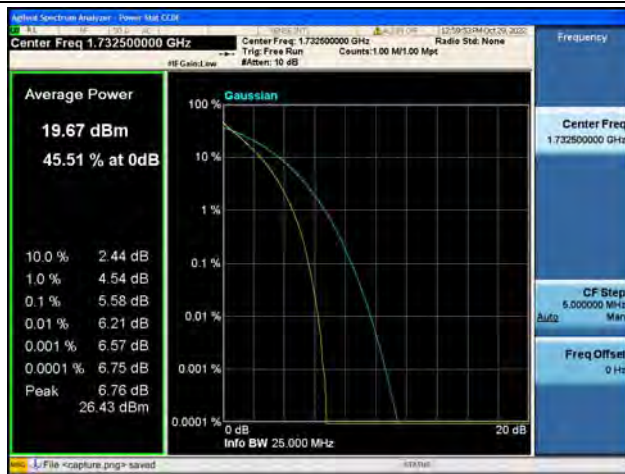
Band4 / 15MHz / High CH / 16QAM



Band4 / 20MHz / Low CH / QPSK



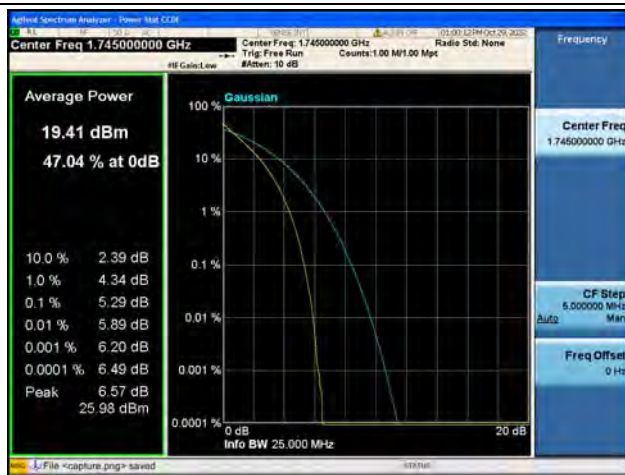
Band4 / 20MHz / Low CH / 16QAM



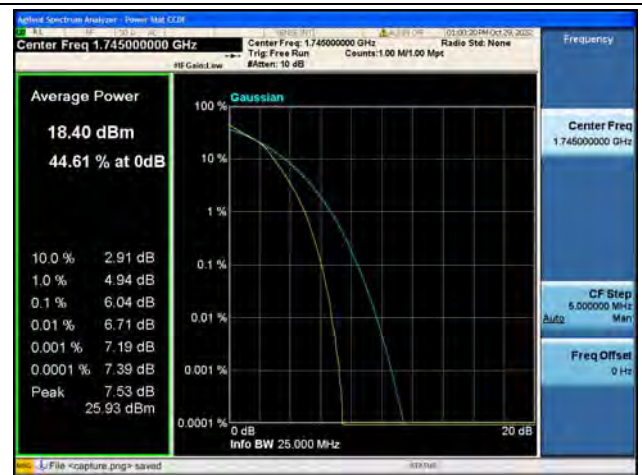
Band4 / 20MHz / Mid CH / QPSK



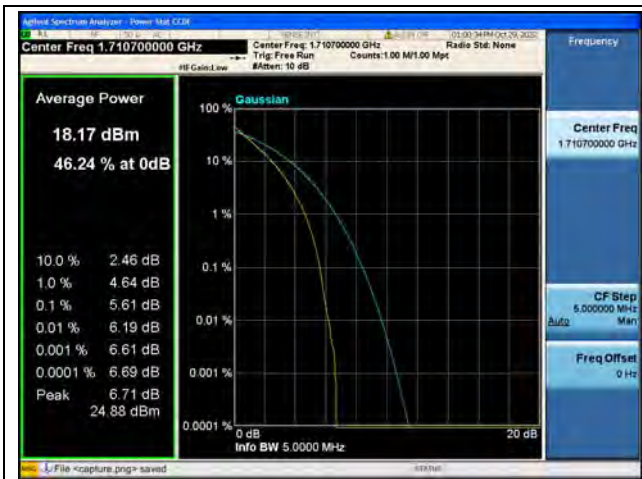
Band4 / 20MHz / Mid CH / 16QAM



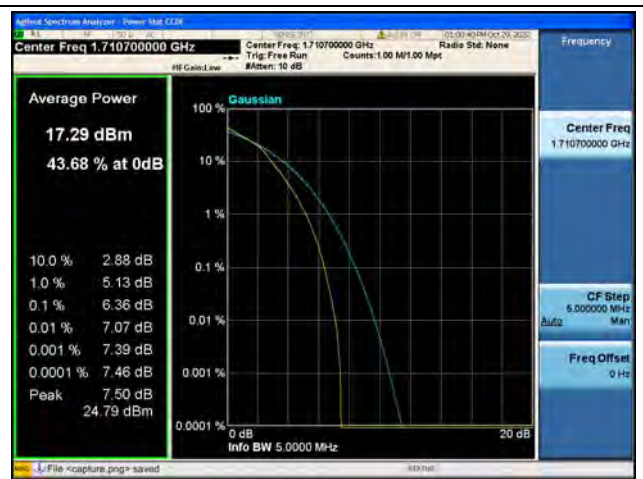
Band4 / 20MHz / High CH / QPSK



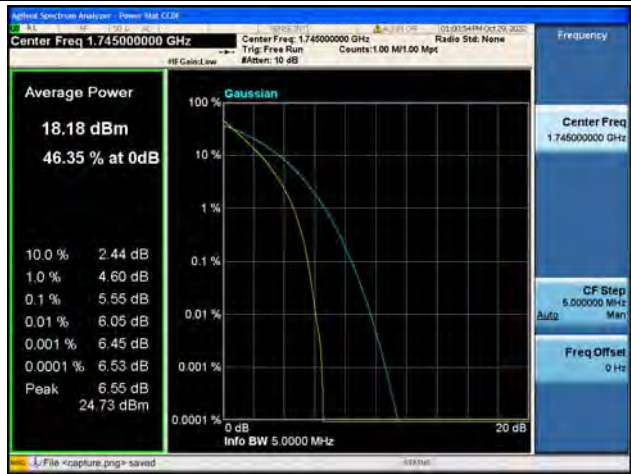
Band4 / 20MHz / High CH / 16QAM



Band66 / 1.4MHz / Low CH / QPSK



Band66 / 1.4MHz / Low CH / 16QAM



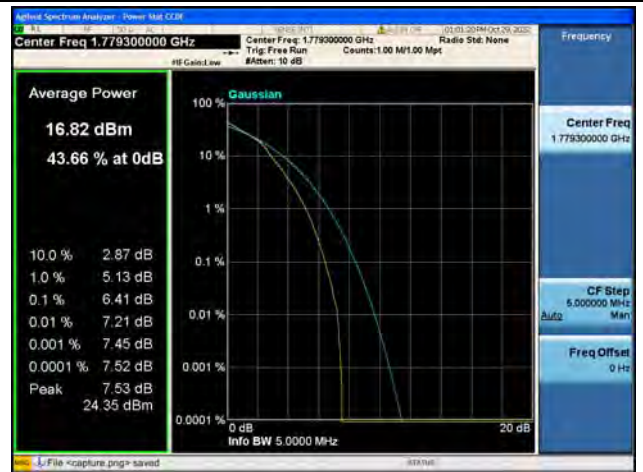
Band66 / 1.4MHz / Mid CH / QPSK



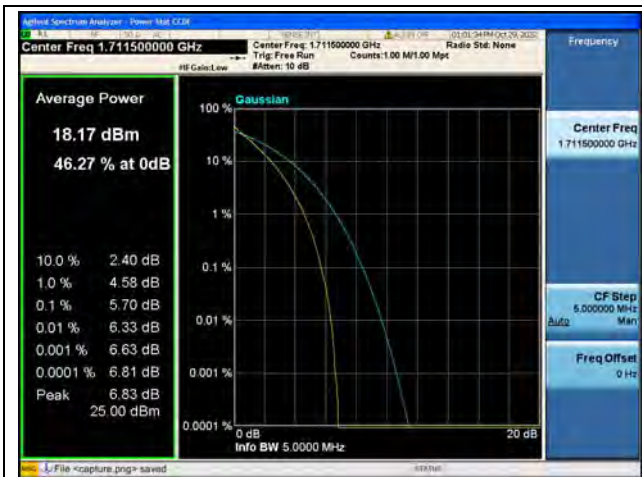
Band66 / 1.4MHz / Mid CH / 16QAM



Band66 / 1.4MHz / High CH / QPSK



Band66 / 1.4MHz / High CH / 16QAM



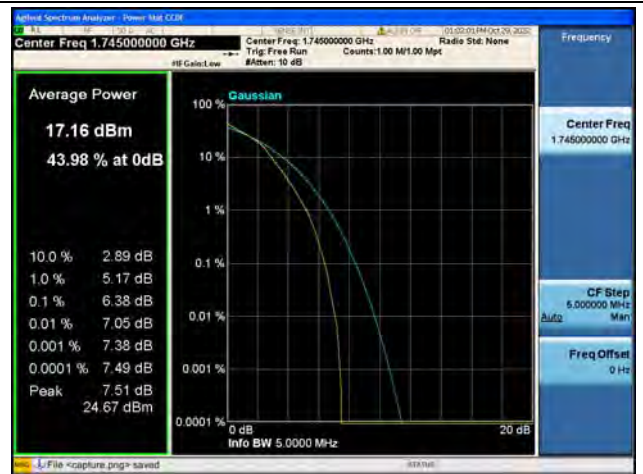
Band66 / 3MHz / Low CH / QPSK



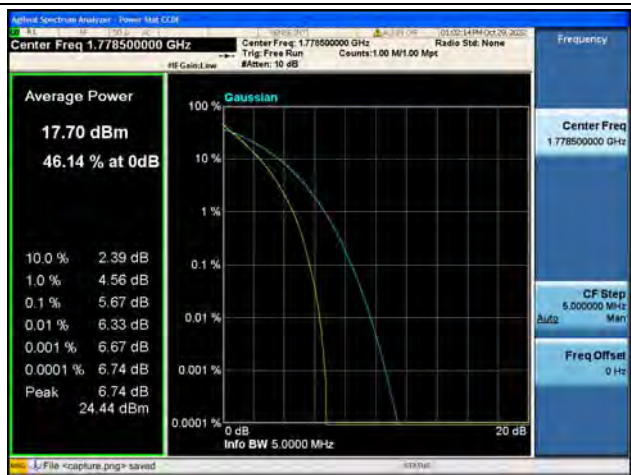
Band66 / 3MHz / Low CH / 16QAM



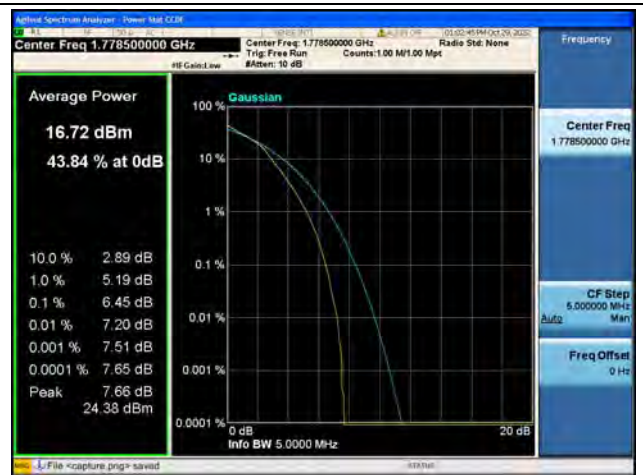
Band66 / 3MHz / Mid CH / QPSK



Band66 / 3MHz / Mid CH / 16QAM



Band66 / 3MHz / High CH / QPSK



Band66 / 3MHz / High CH / 16QAM