



TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Smart Phone

MODEL NAME : C5L+

BRAND NAME : BLU

FCC ID : YHLBLUC5LP

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

RECEIPT DATE : 2022-10-09

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DIRECTORY

- 1. Technical Information 3**
- 1.1. Applicant and Manufacturer Information 3**
- 1.2. Equipment Under Test (EUT) Description 3**
- 1.3. Maximum E.R.P./E.I.R.P. and Emission Designator 5**
- 1.4. Test Standards and Results 7**
- 1.5. Environmental Conditions 8**
- 2. 47 CFR Part 2, Part 22H, Part 24E, Part 27 H&L&M Requirements 9**
- 2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P. 9**
- 2.2. Occupied Bandwidth 75**
- 2.3. Frequency Stability 115**
- 2.4. Peak to Average Ratio 120**
- 2.5. Conducted Spurious Emissions 142**
- 2.6. Band Edge 179**
- 2.7. Radiated Spurious Emissions 213**
- Annex A Test Uncertainty 237**
- Annex B Testing Laboratory Information 238**

Change History		
Version	Date	Reason for change
1.0	2022-11-29	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:	A507-MB-V3.6D	
Software Version:	A507_36Y_WS551A_BLU_C0130UU_V12.0.G.01.00_GENERIC_2 0-09-2022_0905	
Modulation Type:	QPSK, 16QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 17 / 66	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz
	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz –2200MHz



Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	0.46dBi
	LTE Band 4	0.51dBi
	LTE Band 5	0.62dBi
	LTE Band 7	-0.32dBi
	LTE Band 12	-0.81dBi
	LTE Band 17	-0.87dBi
	LTE Band 66	0.71dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C775444200L
	Serial No.:	N/A
	Capacity:	2000mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	Shenzhen Aerospace Electronic Co.,Ltd.
	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-FC-0750
	Serial No.:	N/A
	Rated Output:	5V=750mA
	Rated Input:	100-240V~50/60Hz, 0.15A
	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	0.267	0.205	18M0G7D	18M0W7D	
15	0.260	0.199	13M5G7D	13M5W7D	
10	0.261	0.203	9M04G7D	8M99W7D	
5	0.266	0.198	4M50G7D	4M50W7D	
3	0.261	0.203	2M72G7D	2M71W7D	
1.4	0.265	0.201	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	0.274	0.216	18M0G7D	18M0W7D	
15	0.270	0.206	13M5G7D	13M5W7D	
10	0.265	0.206	9M01G7D	8M98W7D	
5	0.265	0.207	4M50G7D	4M51W7D	
3	0.265	0.204	2M72G7D	2M72W7D	
1.4	0.270	0.207	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	0.167	0.128	9M03G7D	8M99W7D	
5	0.164	0.129	4M51G7D	4M50W7D	
3	0.162	0.129	2M72G7D	2M72W7D	
1.4	0.166	0.128	1M10G7D	1M10W7D	
LTE Band 7		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM	
20	0.200	0.182	18M0G7D	18M0W7D	
15	0.195	0.180	13M5G7D	13M5W7D	
10	0.192	0.175	9M01G7D	8M98W7D	
5	0.196	0.178	4M50G7D	4M51W7D	
LTE Band 12		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM	
10	0.116	0.092	9M01G7D	8M99W7D	
5	0.115	0.092	4M51G7D	4M51W7D	
3	0.114	0.092	2M72G7D	2M72W7D	
1.4	0.114	0.090	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	0.116	0.093	9M01G7D	8M97W7D
5	0.112	0.090	4M51G7D	4M50W7D
LTE Band 66	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.281	0.220	18M0G7D	18M1W7D
15	0.275	0.216	13M5G7D	13M5W7D
10	0.269	0.214	9M02G7D	8M98W7D
5	0.274	0.213	4M50G7D	4M51W7D
3	0.274	0.216	2M72G7D	2M72W7D
1.4	0.273	0.215	1M10G7D	1M10W7D



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Nov. 21, 2022	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Oct. 12, 2022	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Oct. 10, 2022	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Oct. 13, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Oct. 10&13, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a)	Band Edge	Oct. 10, 2022	Li Huaijie	PASS	No deviation



24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Oct. 16, 2022	Lin Jiayong	PASS	No deviation

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

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

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

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

1.5. Environmental Conditions

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

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



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

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

2.1.1. Requirement

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

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

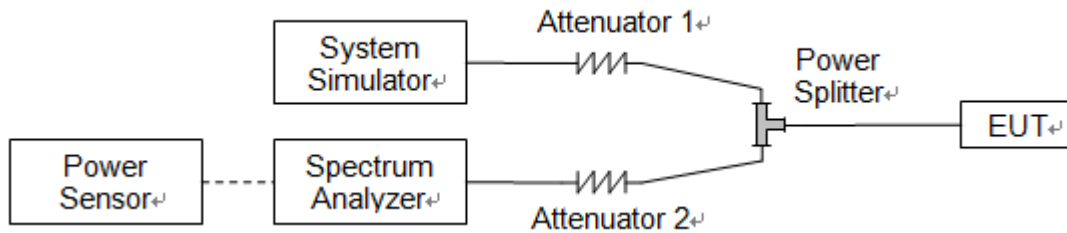
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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

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

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

2.1.2. Test Description



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

2.1.3. Test Procedure

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

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

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



2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.75	23.71	23.80
20	QPSK	1	49	23.66	23.58	23.70
20	QPSK	1	99	23.69	23.62	23.72
20	QPSK	50	0	22.55	22.60	22.59
20	QPSK	50	24	22.49	22.55	22.54
20	QPSK	50	50	22.53	22.63	22.57
20	QPSK	100	0	22.48	22.51	22.54
20	16QAM	1	0	22.62	22.58	22.65
20	16QAM	1	49	22.60	22.51	22.57
20	16QAM	1	99	22.55	22.53	22.53
20	16QAM	50	0	21.59	21.55	21.62
20	16QAM	50	24	21.60	21.47	21.49
20	16QAM	50	50	21.53	21.57	21.53
20	16QAM	100	0	21.52	21.51	21.55



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	23.69	23.46	23.57
15	QPSK	1	37	23.54	23.45	23.51
15	QPSK	1	74	23.56	23.39	23.52
15	QPSK	36	0	22.45	22.40	22.29
15	QPSK	36	20	22.22	22.41	22.42
15	QPSK	36	39	22.51	22.43	22.46
15	QPSK	75	0	22.41	22.40	22.30
15	16QAM	1	0	22.47	22.37	22.41
15	16QAM	1	37	22.53	22.33	22.46
15	16QAM	1	74	22.30	22.36	22.51
15	16QAM	36	0	21.33	21.41	21.45
15	16QAM	36	20	21.59	21.31	21.34
15	16QAM	36	39	21.45	21.34	21.51
15	16QAM	75	0	21.27	21.46	21.26



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	23.65	23.63	23.71
10	QPSK	1	25	23.63	23.29	23.50
10	QPSK	1	49	23.45	23.57	23.63
10	QPSK	25	0	22.50	22.57	22.36
10	QPSK	25	12	22.42	22.25	22.33
10	QPSK	25	25	22.23	22.49	22.51
10	QPSK	50	0	22.21	22.35	22.26
10	16QAM	1	0	22.33	22.35	22.62
10	16QAM	1	25	22.40	22.37	22.46
10	16QAM	1	49	22.36	22.29	22.49
10	16QAM	25	0	21.50	21.26	21.33
10	16QAM	25	12	21.57	21.42	21.46
10	16QAM	25	25	21.25	21.55	21.52
10	16QAM	50	0	21.29	21.34	21.50



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	23.44	23.66
5	QPSK	1	12	23.50	23.46	23.56
5	QPSK	1	24	23.49	23.44	23.69
5	QPSK	12	0	22.50	22.52	22.36
5	QPSK	12	7	22.48	22.49	22.29
5	QPSK	12	13	22.51	22.47	22.54
5	QPSK	25	0	22.40	22.36	22.50
5	16QAM	1	0	22.46	22.33	22.44
5	16QAM	1	12	22.42	22.27	22.41
5	16QAM	1	24	22.51	22.24	22.26
5	16QAM	12	0	21.29	21.28	21.55
5	16QAM	12	7	21.48	21.30	21.34
5	16QAM	12	13	21.40	21.47	21.38
5	16QAM	25	0	21.46	21.48	21.34



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	23.56	23.47	23.63
3	QPSK	1	8	23.60	23.34	23.50
3	QPSK	1	14	23.64	23.41	23.71
3	QPSK	8	0	22.51	22.45	22.52
3	QPSK	8	4	22.43	22.28	22.42
3	QPSK	8	7	22.24	22.56	22.34
3	QPSK	15	0	22.24	22.25	22.42
3	16QAM	1	0	22.56	22.30	22.62
3	16QAM	1	8	22.35	22.45	22.40
3	16QAM	1	14	22.32	22.50	22.33
3	16QAM	8	0	21.56	21.37	21.33
3	16QAM	8	4	21.56	21.22	21.27
3	16QAM	8	7	21.25	21.40	21.25
3	16QAM	15	0	21.44	21.27	21.29



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.70	23.52	23.78
1.4	QPSK	1	3	23.55	23.50	23.45
1.4	QPSK	1	5	23.68	23.42	23.60
1.4	QPSK	3	0	22.28	22.45	22.35
1.4	QPSK	3	1	22.26	22.34	22.33
1.4	QPSK	3	3	22.46	22.42	22.36
1.4	QPSK	6	0	22.57	22.58	22.53
1.4	16QAM	1	0	22.50	22.57	22.51
1.4	16QAM	1	3	22.47	22.37	22.48
1.4	16QAM	1	5	22.32	22.27	22.31
1.4	16QAM	3	0	21.54	21.39	21.45
1.4	16QAM	3	1	21.56	21.43	21.31
1.4	16QAM	3	3	21.50	21.54	21.34
1.4	16QAM	6	0	21.55	21.53	21.51



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	23.71	23.79	23.86
20	QPSK	1	49	23.68	23.71	23.65
20	QPSK	1	99	23.66	23.57	23.54
20	QPSK	50	0	22.41	22.51	22.53
20	QPSK	50	24	22.48	22.58	22.54
20	QPSK	50	50	22.56	22.43	22.49
20	QPSK	100	0	22.44	22.46	22.49
20	16QAM	1	0	22.58	22.73	22.83
20	16QAM	1	49	22.64	22.61	22.67
20	16QAM	1	99	22.60	22.50	22.56
20	16QAM	50	0	21.61	21.74	21.68
20	16QAM	50	24	21.53	21.41	21.51
20	16QAM	50	50	21.72	21.51	21.69
20	16QAM	100	0	21.52	21.46	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				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	23.75	23.77	23.80
15	QPSK	1	37	23.55	23.67	23.39
15	QPSK	1	74	23.40	23.58	23.57
15	QPSK	36	0	22.34	22.44	22.38
15	QPSK	36	20	22.45	22.55	22.43
15	QPSK	36	39	22.46	22.23	22.32
15	QPSK	75	0	22.19	22.28	22.38
15	16QAM	1	0	22.41	22.47	22.63
15	16QAM	1	37	22.60	22.59	22.61
15	16QAM	1	74	22.38	22.27	22.36
15	16QAM	36	0	21.38	21.65	21.41
15	16QAM	36	20	21.34	21.24	21.23
15	16QAM	36	39	21.59	21.46	21.48
15	16QAM	75	0	21.41	21.22	21.40



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	23.46	23.73	23.57
10	QPSK	1	25	23.41	23.46	23.54
10	QPSK	1	49	23.38	23.36	23.52
10	QPSK	25	0	22.31	22.45	22.35
10	QPSK	25	12	22.19	22.32	22.52
10	QPSK	25	25	22.49	22.21	22.31
10	QPSK	50	0	22.31	22.24	22.44
10	16QAM	1	0	22.37	22.51	22.63
10	16QAM	1	25	22.55	22.38	22.63
10	16QAM	1	49	22.41	22.38	22.26
10	16QAM	25	0	21.47	21.68	21.53
10	16QAM	25	12	21.33	21.39	21.22
10	16QAM	25	25	21.43	21.45	21.48
10	16QAM	50	0	21.49	21.45	21.42



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.52	23.57	23.73
5	QPSK	1	12	23.44	23.56	23.42
5	QPSK	1	24	23.57	23.31	23.48
5	QPSK	12	0	22.26	22.34	22.35
5	QPSK	12	7	22.46	22.51	22.44
5	QPSK	12	13	22.53	22.13	22.19
5	QPSK	25	0	22.34	22.45	22.38
5	16QAM	1	0	22.29	22.64	22.59
5	16QAM	1	12	22.43	22.32	22.48
5	16QAM	1	24	22.58	22.24	22.28
5	16QAM	12	0	21.51	21.55	21.58
5	16QAM	12	7	21.38	21.19	21.33
5	16QAM	12	13	21.50	21.28	21.55
5	16QAM	25	0	21.27	21.22	21.60



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	23.71	23.72	23.71
3	QPSK	1	8	23.66	23.55	23.56
3	QPSK	1	14	23.43	23.49	23.50
3	QPSK	8	0	22.37	22.42	22.26
3	QPSK	8	4	22.26	22.43	22.53
3	QPSK	8	7	22.29	22.18	22.32
3	QPSK	15	0	22.31	22.37	22.29
3	16QAM	1	0	22.55	22.55	22.59
3	16QAM	1	8	22.57	22.59	22.43
3	16QAM	1	14	22.43	22.31	22.39
3	16QAM	8	0	21.59	21.63	21.39
3	16QAM	8	4	21.46	21.24	21.40
3	16QAM	8	7	21.57	21.50	21.58
3	16QAM	15	0	21.27	21.32	21.68



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	23.70	23.51	23.80
1.4	QPSK	1	3	23.42	23.61	23.55
1.4	QPSK	1	5	23.36	23.36	23.37
1.4	QPSK	3	0	22.12	22.36	22.23
1.4	QPSK	3	1	22.46	22.33	22.30
1.4	QPSK	3	3	22.33	22.24	22.21
1.4	QPSK	6	0	22.53	22.51	22.60
1.4	16QAM	1	0	22.56	22.66	22.61
1.4	16QAM	1	3	22.38	22.50	22.56
1.4	16QAM	1	5	22.44	22.21	22.29
1.4	16QAM	3	0	21.40	21.70	21.40
1.4	16QAM	3	1	21.49	21.39	21.45
1.4	16QAM	3	3	21.43	21.46	21.57
1.4	16QAM	6	0	21.42	21.58	21.57



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	23.76	23.64	23.63
10	QPSK	1	25	23.52	23.55	23.57
10	QPSK	1	49	23.48	23.45	23.38
10	QPSK	25	0	22.41	22.58	22.59
10	QPSK	25	12	22.58	22.50	22.55
10	QPSK	25	25	22.60	22.61	22.60
10	QPSK	50	0	22.54	22.58	22.65
10	16QAM	1	0	22.54	22.53	22.55
10	16QAM	1	25	22.61	22.45	22.47
10	16QAM	1	49	22.44	22.45	22.41
10	16QAM	25	0	21.42	21.63	21.63
10	16QAM	25	12	21.32	21.23	21.34
10	16QAM	25	25	21.58	21.35	21.56
10	16QAM	50	0	21.40	21.38	21.48



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	23.69	23.59	23.54
5	QPSK	1	12	23.47	23.55	23.55
5	QPSK	1	24	23.53	23.52	23.65
5	QPSK	12	0	22.61	22.54	22.55
5	QPSK	12	7	22.46	22.36	22.43
5	QPSK	12	13	22.36	22.52	22.35
5	QPSK	25	0	22.25	22.34	22.55
5	16QAM	1	0	22.65	22.58	22.64
5	16QAM	1	12	22.34	22.36	22.57
5	16QAM	1	24	22.41	22.49	22.39
5	16QAM	12	0	21.66	21.57	21.59
5	16QAM	12	7	21.52	21.52	21.59
5	16QAM	12	13	21.39	21.45	21.47
5	16QAM	25	0	21.61	21.60	21.55



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	23.55	23.62	23.52
3	QPSK	1	8	23.49	23.44	23.51
3	QPSK	1	14	23.58	23.35	23.46
3	QPSK	8	0	22.64	22.57	22.51
3	QPSK	8	4	22.41	22.39	22.25
3	QPSK	8	7	22.31	22.55	22.33
3	QPSK	15	0	22.47	22.47	22.49
3	16QAM	1	0	22.52	22.63	22.42
3	16QAM	1	8	22.60	22.41	22.38
3	16QAM	1	14	22.45	22.59	22.55
3	16QAM	8	0	21.52	21.64	21.45
3	16QAM	8	4	21.39	21.51	21.49
3	16QAM	8	7	21.45	21.44	21.55
3	16QAM	15	0	21.53	21.51	21.49



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	23.74	23.61	23.60
1.4	QPSK	1	3	23.58	23.47	23.54
1.4	QPSK	1	5	23.45	23.58	23.44
1.4	QPSK	3	0	22.58	22.49	22.48
1.4	QPSK	3	1	22.46	22.49	22.51
1.4	QPSK	3	3	22.55	22.52	22.36
1.4	QPSK	6	0	22.69	22.51	22.59
1.4	16QAM	1	0	22.50	22.52	22.54
1.4	16QAM	1	3	22.45	22.40	22.32
1.4	16QAM	1	5	22.59	22.37	22.61
1.4	16QAM	3	0	21.58	21.59	21.36
1.4	16QAM	3	1	21.53	21.60	21.69
1.4	16QAM	3	3	21.47	21.48	21.54
1.4	16QAM	6	0	21.54	21.57	21.44



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	23.28	23.21	23.33
20	QPSK	1	49	23.18	23.11	23.26
20	QPSK	1	99	23.15	23.15	23.19
20	QPSK	50	0	22.25	22.33	22.31
20	QPSK	50	24	22.28	22.30	22.19
20	QPSK	50	50	22.16	22.27	22.26
20	QPSK	100	0	22.22	22.24	22.23
20	16QAM	1	0	22.81	22.75	22.83
20	16QAM	1	49	22.80	22.91	22.69
20	16QAM	1	99	22.78	22.88	22.77
20	16QAM	50	0	21.47	21.45	21.39
20	16QAM	50	24	21.33	21.37	21.44
20	16QAM	50	50	21.42	21.35	21.46
20	16QAM	100	0	21.38	21.42	21.42



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	23.14	23.18	23.20
15	QPSK	1	37	23.11	23.06	23.22
15	QPSK	1	74	23.08	22.94	23.18
15	QPSK	36	0	21.98	22.23	22.28
15	QPSK	36	20	22.08	22.20	22.14
15	QPSK	36	39	22.05	22.22	22.17
15	QPSK	75	0	21.94	22.12	21.98
15	16QAM	1	0	22.76	22.73	22.62
15	16QAM	1	37	22.66	22.88	22.59
15	16QAM	1	74	22.49	22.87	22.57
15	16QAM	36	0	21.27	21.26	21.31
15	16QAM	36	20	21.11	21.21	21.17
15	16QAM	36	39	21.23	21.10	21.43
15	16QAM	75	0	21.24	21.39	21.19



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	23.16	23.14	23.10
10	QPSK	1	25	23.15	23.01	23.08
10	QPSK	1	49	23.14	22.99	23.12
10	QPSK	25	0	22.01	22.24	22.21
10	QPSK	25	12	22.13	22.03	21.96
10	QPSK	25	25	21.88	22.26	22.09
10	QPSK	50	0	22.19	22.03	22.12
10	16QAM	1	0	22.70	22.69	22.70
10	16QAM	1	25	22.59	22.74	22.57
10	16QAM	1	49	22.66	22.74	22.60
10	16QAM	25	0	21.19	21.20	21.21
10	16QAM	25	12	21.15	21.33	21.38
10	16QAM	25	25	21.28	21.23	21.39
10	16QAM	50	0	21.10	21.37	21.25



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	23.18	23.21	23.24
5	QPSK	1	12	22.98	23.07	23.14
5	QPSK	1	24	22.91	23.03	22.89
5	QPSK	12	0	22.20	22.31	22.19
5	QPSK	12	7	22.22	22.09	22.09
5	QPSK	12	13	21.98	22.02	22.10
5	QPSK	25	0	22.01	22.14	22.20
5	16QAM	1	0	22.53	22.50	22.67
5	16QAM	1	12	22.79	22.63	22.54
5	16QAM	1	24	22.67	22.83	22.51
5	16QAM	12	0	21.42	21.37	21.38
5	16QAM	12	7	21.23	21.09	21.39
5	16QAM	12	13	21.19	21.05	21.21
5	16QAM	25	0	21.23	21.36	21.37



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	23.57	23.59	23.62
10	QPSK	1	25	23.51	23.35	23.39
10	QPSK	1	49	23.34	23.38	23.42
10	QPSK	25	0	22.46	22.51	22.57
10	QPSK	25	12	22.41	22.38	22.35
10	QPSK	25	25	22.43	22.39	22.48
10	QPSK	50	0	22.46	22.45	22.63
10	16QAM	1	0	22.54	22.58	22.52
10	16QAM	1	25	22.57	22.37	22.20
10	16QAM	1	49	22.49	22.45	22.43
10	16QAM	25	0	21.40	21.43	21.61
10	16QAM	25	12	21.51	21.53	21.46
10	16QAM	25	25	21.39	21.29	21.29
10	16QAM	50	0	21.48	21.47	21.43



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	23.56	23.44	23.54
5	QPSK	1	12	23.30	23.51	23.56
5	QPSK	1	24	23.30	23.34	23.40
5	QPSK	12	0	22.39	22.49	22.52
5	QPSK	12	7	22.52	22.30	22.29
5	QPSK	12	13	22.41	22.42	22.55
5	QPSK	25	0	22.45	22.57	22.56
5	16QAM	1	0	22.48	22.58	22.53
5	16QAM	1	12	22.43	22.50	22.41
5	16QAM	1	24	22.37	22.32	22.49
5	16QAM	12	0	21.49	21.39	21.59
5	16QAM	12	7	21.52	21.45	21.52
5	16QAM	12	13	21.48	21.59	21.45
5	16QAM	25	0	21.38	21.42	21.44



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	23.54	23.51	23.50
3	QPSK	1	8	23.45	23.26	23.49
3	QPSK	1	14	23.41	23.39	23.32
3	QPSK	8	0	22.43	22.45	22.51
3	QPSK	8	4	22.29	22.36	22.46
3	QPSK	8	7	22.41	22.37	22.25
3	QPSK	15	0	22.45	22.40	22.48
3	16QAM	1	0	22.43	22.59	22.54
3	16QAM	1	8	22.41	22.45	22.44
3	16QAM	1	14	22.33	22.39	22.57
3	16QAM	8	0	21.29	21.58	21.54
3	16QAM	8	4	21.31	21.49	21.44
3	16QAM	8	7	21.28	21.37	21.39
3	16QAM	15	0	21.39	21.42	21.40



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	23.40	23.44	23.54
1.4	QPSK	1	3	23.37	23.30	23.43
1.4	QPSK	1	5	23.33	23.32	23.41
1.4	QPSK	3	0	22.36	22.34	22.46
1.4	QPSK	3	1	22.26	22.29	22.23
1.4	QPSK	3	3	22.23	22.30	22.46
1.4	QPSK	6	0	22.38	22.42	22.62
1.4	16QAM	1	0	22.30	22.36	22.51
1.4	16QAM	1	3	22.42	22.32	22.31
1.4	16QAM	1	5	22.21	22.29	22.33
1.4	16QAM	3	0	21.39	21.44	21.35
1.4	16QAM	3	1	21.39	21.43	21.30
1.4	16QAM	3	3	21.31	21.24	21.33
1.4	16QAM	6	0	21.48	21.39	21.54



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	23.56	23.65	23.61
10	QPSK	1	25	23.39	23.49	23.46
10	QPSK	1	49	23.44	23.39	23.51
10	QPSK	25	0	22.64	22.58	22.66
10	QPSK	25	12	22.51	22.51	22.62
10	QPSK	25	25	22.46	22.40	22.56
10	QPSK	50	0	22.47	22.62	22.82
10	16QAM	1	0	22.64	22.60	22.56
10	16QAM	1	25	22.69	22.56	22.35
10	16QAM	1	49	22.70	22.53	22.52
10	16QAM	25	0	21.66	21.43	21.69
10	16QAM	25	12	21.51	21.55	21.71
10	16QAM	25	25	21.57	21.31	21.47
10	16QAM	50	0	21.70	21.66	21.64



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	23.48	23.46	23.51
5	QPSK	1	12	23.23	23.25	23.37
5	QPSK	1	24	23.36	23.48	23.33
5	QPSK	12	0	22.38	22.37	22.51
5	QPSK	12	7	22.37	22.52	22.28
5	QPSK	12	13	22.36	22.30	22.43
5	QPSK	25	0	22.33	22.40	22.49
5	16QAM	1	0	22.47	22.53	22.48
5	16QAM	1	12	22.32	22.25	22.54
5	16QAM	1	24	22.25	22.37	22.22
5	16QAM	12	0	21.52	21.63	21.51
5	16QAM	12	7	21.30	21.50	21.33
5	16QAM	12	13	21.38	21.38	21.23
5	16QAM	25	0	21.38	21.21	21.24



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	23.52	23.77	23.70
20	QPSK	1	49	23.51	23.55	23.53
20	QPSK	1	99	23.67	23.44	23.58
20	QPSK	50	0	22.60	22.68	22.41
20	QPSK	50	24	22.44	22.50	22.45
20	QPSK	50	50	22.52	22.46	22.44
20	QPSK	100	0	22.32	22.37	22.39
20	16QAM	1	0	22.42	22.72	22.63
20	16QAM	1	49	22.45	22.41	22.53
20	16QAM	1	99	22.45	22.28	22.38
20	16QAM	50	0	21.60	21.44	21.65
20	16QAM	50	24	21.29	21.39	21.40
20	16QAM	50	50	21.55	21.48	21.51
20	16QAM	100	0	21.36	21.39	21.43



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	23.64	23.50	23.69
15	QPSK	1	37	23.46	23.33	23.37
15	QPSK	1	74	23.63	23.39	23.35
15	QPSK	36	0	22.55	22.42	22.35
15	QPSK	36	20	22.40	22.46	22.50
15	QPSK	36	39	22.36	22.56	22.28
15	QPSK	75	0	22.25	22.28	22.25
15	16QAM	1	0	22.35	22.64	22.39
15	16QAM	1	37	22.29	22.54	22.52
15	16QAM	1	74	22.26	22.38	22.44
15	16QAM	36	0	21.46	21.42	21.53
15	16QAM	36	20	21.57	21.32	21.36
15	16QAM	36	39	21.47	21.35	21.41
15	16QAM	75	0	21.29	21.30	21.24



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	23.53	23.59	23.50
10	QPSK	1	25	23.38	23.58	23.50
10	QPSK	1	49	23.38	23.43	23.52
10	QPSK	25	0	22.49	22.38	22.39
10	QPSK	25	12	22.54	22.30	22.53
10	QPSK	25	25	22.40	22.39	22.58
10	QPSK	50	0	22.41	22.63	22.49
10	16QAM	1	0	22.35	22.59	22.35
10	16QAM	1	25	22.25	22.38	22.27
10	16QAM	1	49	22.42	22.21	22.53
10	16QAM	25	0	21.59	21.30	21.50
10	16QAM	25	12	21.39	21.38	21.55
10	16QAM	25	25	21.26	21.38	21.32
10	16QAM	50	0	21.15	21.24	21.29



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	23.55	23.66	23.60
5	QPSK	1	12	23.48	23.32	23.49
5	QPSK	1	24	23.61	23.29	23.36
5	QPSK	12	0	22.40	22.44	22.52
5	QPSK	12	7	22.43	22.47	22.32
5	QPSK	12	13	22.39	22.24	22.57
5	QPSK	25	0	22.28	22.09	22.17
5	16QAM	1	0	22.40	22.42	22.57
5	16QAM	1	12	22.34	22.53	22.48
5	16QAM	1	24	22.20	22.48	22.38
5	16QAM	12	0	21.51	21.22	21.43
5	16QAM	12	7	21.53	21.32	21.30
5	16QAM	12	13	21.33	21.37	21.38
5	16QAM	25	0	21.09	21.27	21.35



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	23.64	23.49	23.67
3	QPSK	1	8	23.47	23.44	23.49
3	QPSK	1	14	23.45	23.28	23.33
3	QPSK	8	0	22.47	22.43	22.38
3	QPSK	8	4	22.55	22.57	22.38
3	QPSK	8	7	22.28	22.24	22.43
3	QPSK	15	0	22.19	22.36	22.26
3	16QAM	1	0	22.42	22.64	22.36
3	16QAM	1	8	22.40	22.22	22.27
3	16QAM	1	14	22.43	22.53	22.54
3	16QAM	8	0	21.41	21.34	21.46
3	16QAM	8	4	21.37	21.40	21.27
3	16QAM	8	7	21.36	21.39	21.30
3	16QAM	15	0	21.06	21.25	21.28



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	23.51	23.57	23.65
1.4	QPSK	1	3	23.38	23.48	23.24
1.4	QPSK	1	5	23.59	23.35	23.45
1.4	QPSK	3	0	22.32	22.49	22.31
1.4	QPSK	3	1	22.41	22.41	22.37
1.4	QPSK	3	3	22.46	22.45	22.22
1.4	QPSK	6	0	22.60	22.52	22.54
1.4	16QAM	1	0	22.52	22.61	22.57
1.4	16QAM	1	3	22.35	22.37	22.44
1.4	16QAM	1	5	22.37	22.22	22.39
1.4	16QAM	3	0	21.46	21.28	21.63
1.4	16QAM	3	1	21.25	21.37	21.32
1.4	16QAM	3	3	21.31	21.28	21.25
1.4	16QAM	6	0	21.27	21.32	21.33



Effective Radiated Power and Effective Isotropic Radiated Power

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.21	0.264	24.17	0.261	24.26	0.267
20	QPSK	1	49	24.12	0.258	24.04	0.254	24.16	0.261
20	QPSK	1	99	24.15	0.260	24.08	0.256	24.18	0.262
20	QPSK	50	0	23.01	0.200	23.06	0.202	23.05	0.202
20	QPSK	50	24	22.95	0.197	23.01	0.200	23.00	0.200
20	QPSK	50	50	22.99	0.199	23.09	0.204	23.03	0.201
20	QPSK	100	0	22.94	0.197	22.97	0.198	23.00	0.200
20	16QAM	1	0	23.08	0.203	23.04	0.201	23.11	0.205
20	16QAM	1	49	23.06	0.202	22.97	0.198	23.03	0.201
20	16QAM	1	99	23.01	0.200	22.99	0.199	22.99	0.199
20	16QAM	50	0	22.05	0.160	22.01	0.159	22.08	0.161
20	16QAM	50	24	22.06	0.161	21.93	0.156	21.95	0.157
20	16QAM	50	50	21.99	0.158	22.03	0.160	21.99	0.158
20	16QAM	100	0	21.98	0.158	21.97	0.157	22.01	0.159



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.15	0.260	23.92	0.247	24.03	0.253
15	QPSK	1	37	24.00	0.251	23.91	0.246	23.97	0.249
15	QPSK	1	74	24.02	0.252	23.85	0.243	23.98	0.250
15	QPSK	36	0	22.91	0.195	22.86	0.193	22.75	0.188
15	QPSK	36	20	22.68	0.185	22.87	0.194	22.88	0.194
15	QPSK	36	39	22.97	0.198	22.89	0.195	22.92	0.196
15	QPSK	75	0	22.87	0.194	22.86	0.193	22.76	0.189
15	16QAM	1	0	22.93	0.196	22.83	0.192	22.87	0.194
15	16QAM	1	37	22.99	0.199	22.79	0.190	22.92	0.196
15	16QAM	1	74	22.76	0.189	22.82	0.191	22.97	0.198
15	16QAM	36	0	21.79	0.151	21.87	0.154	21.91	0.155
15	16QAM	36	20	22.05	0.160	21.77	0.150	21.80	0.151
15	16QAM	36	39	21.91	0.155	21.80	0.151	21.97	0.157
15	16QAM	75	0	21.73	0.149	21.92	0.156	21.72	0.149



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.11	0.258	24.09	0.256	24.17	0.261
10	QPSK	1	25	24.09	0.256	23.75	0.237	23.96	0.249
10	QPSK	1	49	23.91	0.246	24.03	0.253	24.09	0.256
10	QPSK	25	0	22.96	0.198	23.03	0.201	22.82	0.191
10	QPSK	25	12	22.88	0.194	22.71	0.187	22.79	0.190
10	QPSK	25	25	22.69	0.186	22.95	0.197	22.97	0.198
10	QPSK	50	0	22.67	0.185	22.81	0.191	22.72	0.187
10	16QAM	1	0	22.79	0.190	22.81	0.191	23.08	0.203
10	16QAM	1	25	22.86	0.193	22.83	0.192	22.92	0.196
10	16QAM	1	49	22.82	0.191	22.75	0.188	22.95	0.197
10	16QAM	25	0	21.96	0.157	21.72	0.149	21.79	0.151
10	16QAM	25	12	22.03	0.160	21.88	0.154	21.92	0.156
10	16QAM	25	25	21.71	0.148	22.01	0.159	21.98	0.158
10	16QAM	50	0	21.75	0.150	21.80	0.151	21.96	0.157



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.25	0.266	23.90	0.245	24.12	0.258
5	QPSK	1	12	23.96	0.249	23.92	0.247	24.02	0.252
5	QPSK	1	24	23.95	0.248	23.90	0.245	24.15	0.260
5	QPSK	12	0	22.96	0.198	22.98	0.199	22.82	0.191
5	QPSK	12	7	22.94	0.197	22.95	0.197	22.75	0.188
5	QPSK	12	13	22.97	0.198	22.93	0.196	23.00	0.200
5	QPSK	25	0	22.86	0.193	22.82	0.191	22.96	0.198
5	16QAM	1	0	22.92	0.196	22.79	0.190	22.90	0.195
5	16QAM	1	12	22.88	0.194	22.73	0.187	22.87	0.194
5	16QAM	1	24	22.97	0.198	22.70	0.186	22.72	0.187
5	16QAM	12	0	21.75	0.150	21.74	0.149	22.01	0.159
5	16QAM	12	7	21.94	0.156	21.76	0.150	21.80	0.151
5	16QAM	12	13	21.86	0.153	21.93	0.156	21.84	0.153
5	16QAM	25	0	21.92	0.156	21.94	0.156	21.80	0.151



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.02	0.252	23.93	0.247	24.09	0.256
3	QPSK	1	8	24.06	0.255	23.80	0.240	23.96	0.249
3	QPSK	1	14	24.10	0.257	23.87	0.244	24.17	0.261
3	QPSK	8	0	22.97	0.198	22.91	0.195	22.98	0.199
3	QPSK	8	4	22.89	0.195	22.74	0.188	22.88	0.194
3	QPSK	8	7	22.70	0.186	23.02	0.200	22.80	0.191
3	QPSK	15	0	22.70	0.186	22.71	0.187	22.88	0.194
3	16QAM	1	0	23.02	0.200	22.76	0.189	23.08	0.203
3	16QAM	1	8	22.81	0.191	22.91	0.195	22.86	0.193
3	16QAM	1	14	22.78	0.190	22.96	0.198	22.79	0.190
3	16QAM	8	0	22.02	0.159	21.83	0.152	21.79	0.151
3	16QAM	8	4	22.02	0.159	21.68	0.147	21.73	0.149
3	16QAM	8	7	21.71	0.148	21.86	0.153	21.71	0.148
3	16QAM	15	0	21.90	0.155	21.73	0.149	21.75	0.150



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.16	0.261	23.98	0.250	24.24	0.265
1.4	QPSK	1	3	24.01	0.252	23.96	0.249	23.91	0.246
1.4	QPSK	1	5	24.14	0.259	23.88	0.244	24.06	0.255
1.4	QPSK	3	0	22.74	0.188	22.91	0.195	22.81	0.191
1.4	QPSK	3	1	22.72	0.187	22.80	0.191	22.79	0.190
1.4	QPSK	3	3	22.92	0.196	22.88	0.194	22.82	0.191
1.4	QPSK	6	0	23.03	0.201	23.04	0.201	22.99	0.199
1.4	16QAM	1	0	22.96	0.198	23.03	0.201	22.97	0.198
1.4	16QAM	1	3	22.93	0.196	22.83	0.192	22.94	0.197
1.4	16QAM	1	5	22.78	0.190	22.73	0.187	22.77	0.189
1.4	16QAM	3	0	22.00	0.158	21.85	0.153	21.91	0.155
1.4	16QAM	3	1	22.02	0.159	21.89	0.155	21.77	0.150
1.4	16QAM	3	3	21.96	0.157	22.00	0.158	21.80	0.151
1.4	16QAM	6	0	22.01	0.159	21.99	0.158	21.97	0.157



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.22	0.264	24.30	0.269	24.37	0.274
20	QPSK	1	49	24.19	0.262	24.22	0.264	24.16	0.261
20	QPSK	1	99	24.17	0.261	24.08	0.256	24.05	0.254
20	QPSK	50	0	22.92	0.196	23.02	0.200	23.04	0.201
20	QPSK	50	24	22.99	0.199	23.09	0.204	23.05	0.202
20	QPSK	50	50	23.07	0.203	22.94	0.197	23.00	0.200
20	QPSK	100	0	22.95	0.197	22.97	0.198	23.00	0.200
20	16QAM	1	0	23.09	0.204	23.24	0.211	23.34	0.216
20	16QAM	1	49	23.15	0.207	23.12	0.205	23.18	0.208
20	16QAM	1	99	23.11	0.205	23.01	0.200	23.07	0.203
20	16QAM	50	0	22.12	0.163	22.25	0.168	22.19	0.166
20	16QAM	50	24	22.04	0.160	21.92	0.156	22.02	0.159
20	16QAM	50	50	22.23	0.167	22.02	0.159	22.20	0.166
20	16QAM	100	0	22.03	0.160	21.97	0.157	22.21	0.166



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.26	0.267	24.28	0.268	24.31	0.270
15	QPSK	1	37	24.06	0.255	24.18	0.262	23.90	0.245
15	QPSK	1	74	23.91	0.246	24.09	0.256	24.08	0.256
15	QPSK	36	0	22.85	0.193	22.95	0.197	22.89	0.195
15	QPSK	36	20	22.96	0.198	23.06	0.202	22.94	0.197
15	QPSK	36	39	22.97	0.198	22.74	0.188	22.83	0.192
15	QPSK	75	0	22.70	0.186	22.79	0.190	22.89	0.195
15	16QAM	1	0	22.92	0.196	22.98	0.199	23.14	0.206
15	16QAM	1	37	23.11	0.205	23.10	0.204	23.12	0.205
15	16QAM	1	74	22.89	0.195	22.78	0.190	22.87	0.194
15	16QAM	36	0	21.89	0.155	22.16	0.164	21.92	0.156
15	16QAM	36	20	21.85	0.153	21.75	0.150	21.74	0.149
15	16QAM	36	39	22.10	0.162	21.97	0.157	21.99	0.158
15	16QAM	75	0	21.92	0.156	21.73	0.149	21.91	0.155



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	23.97	0.249	24.24	0.265	24.08	0.256
10	QPSK	1	25	23.92	0.247	23.97	0.249	24.05	0.254
10	QPSK	1	49	23.89	0.245	23.87	0.244	24.03	0.253
10	QPSK	25	0	22.82	0.191	22.96	0.198	22.86	0.193
10	QPSK	25	12	22.70	0.186	22.83	0.192	23.03	0.201
10	QPSK	25	25	23.00	0.200	22.72	0.187	22.82	0.191
10	QPSK	50	0	22.82	0.191	22.75	0.188	22.95	0.197
10	16QAM	1	0	22.88	0.194	23.02	0.200	23.14	0.206
10	16QAM	1	25	23.06	0.202	22.89	0.195	23.14	0.206
10	16QAM	1	49	22.92	0.196	22.89	0.195	22.77	0.189
10	16QAM	25	0	21.98	0.158	22.19	0.166	22.04	0.160
10	16QAM	25	12	21.84	0.153	21.90	0.155	21.73	0.149
10	16QAM	25	25	21.94	0.156	21.96	0.157	21.99	0.158
10	16QAM	50	0	22.00	0.158	21.96	0.157	21.93	0.156



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.03	0.253	24.08	0.256	24.24	0.265
5	QPSK	1	12	23.95	0.248	24.07	0.255	23.93	0.247
5	QPSK	1	24	24.08	0.256	23.82	0.241	23.99	0.251
5	QPSK	12	0	22.77	0.189	22.85	0.193	22.86	0.193
5	QPSK	12	7	22.97	0.198	23.02	0.200	22.95	0.197
5	QPSK	12	13	23.04	0.201	22.64	0.184	22.70	0.186
5	QPSK	25	0	22.85	0.193	22.96	0.198	22.89	0.195
5	16QAM	1	0	22.80	0.191	23.15	0.207	23.10	0.204
5	16QAM	1	12	22.94	0.197	22.83	0.192	22.99	0.199
5	16QAM	1	24	23.09	0.204	22.75	0.188	22.79	0.190
5	16QAM	12	0	22.02	0.159	22.06	0.161	22.09	0.162
5	16QAM	12	7	21.89	0.155	21.70	0.148	21.84	0.153
5	16QAM	12	13	22.01	0.159	21.79	0.151	22.06	0.161
5	16QAM	25	0	21.78	0.151	21.73	0.149	22.11	0.163



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.22	0.264	24.23	0.265	24.22	0.264
3	QPSK	1	8	24.17	0.261	24.06	0.255	24.07	0.255
3	QPSK	1	14	23.94	0.248	24.00	0.251	24.01	0.252
3	QPSK	8	0	22.88	0.194	22.93	0.196	22.77	0.189
3	QPSK	8	4	22.77	0.189	22.94	0.197	23.04	0.201
3	QPSK	8	7	22.80	0.191	22.69	0.186	22.83	0.192
3	QPSK	15	0	22.82	0.191	22.88	0.194	22.80	0.191
3	16QAM	1	0	23.06	0.202	23.06	0.202	23.10	0.204
3	16QAM	1	8	23.08	0.203	23.10	0.204	22.94	0.197
3	16QAM	1	14	22.94	0.197	22.82	0.191	22.90	0.195
3	16QAM	8	0	22.10	0.162	22.14	0.164	21.90	0.155
3	16QAM	8	4	21.97	0.157	21.75	0.150	21.91	0.155
3	16QAM	8	7	22.08	0.161	22.01	0.159	22.09	0.162
3	16QAM	15	0	21.78	0.151	21.83	0.152	22.19	0.166



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.21	0.264	24.02	0.252	24.31	0.270
1.4	QPSK	1	3	23.93	0.247	24.12	0.258	24.06	0.255
1.4	QPSK	1	5	23.87	0.244	23.87	0.244	23.88	0.244
1.4	QPSK	3	0	22.63	0.183	22.87	0.194	22.74	0.188
1.4	QPSK	3	1	22.97	0.198	22.84	0.192	22.81	0.191
1.4	QPSK	3	3	22.84	0.192	22.75	0.188	22.72	0.187
1.4	QPSK	6	0	23.04	0.201	23.02	0.200	23.11	0.205
1.4	16QAM	1	0	23.07	0.203	23.17	0.207	23.12	0.205
1.4	16QAM	1	3	22.89	0.195	23.01	0.200	23.07	0.203
1.4	16QAM	1	5	22.95	0.197	22.72	0.187	22.80	0.191
1.4	16QAM	3	0	21.91	0.155	22.21	0.166	21.91	0.155
1.4	16QAM	3	1	22.00	0.158	21.90	0.155	21.96	0.157
1.4	16QAM	3	3	21.94	0.156	21.97	0.157	22.08	0.161
1.4	16QAM	6	0	21.93	0.156	22.09	0.162	22.08	0.161



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.23	0.167	22.11	0.163	22.10	0.162
10	QPSK	1	25	21.99	0.158	22.02	0.159	22.04	0.160
10	QPSK	1	49	21.95	0.157	21.92	0.156	21.85	0.153
10	QPSK	25	0	20.88	0.122	21.05	0.127	21.06	0.128
10	QPSK	25	12	21.05	0.127	20.97	0.125	21.02	0.126
10	QPSK	25	25	21.07	0.128	21.08	0.128	21.07	0.128
10	QPSK	50	0	21.01	0.126	21.05	0.127	21.12	0.129
10	16QAM	1	0	21.01	0.126	21.00	0.126	21.02	0.126
10	16QAM	1	25	21.08	0.128	20.92	0.124	20.94	0.124
10	16QAM	1	49	20.91	0.123	20.92	0.124	20.88	0.122
10	16QAM	25	0	19.89	0.097	20.10	0.102	20.10	0.102
10	16QAM	25	12	19.79	0.095	19.70	0.093	19.81	0.096
10	16QAM	25	25	20.05	0.101	19.82	0.096	20.03	0.101
10	16QAM	50	0	19.87	0.097	19.85	0.097	19.95	0.099



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.16	0.164	22.06	0.161	22.01	0.159
5	QPSK	1	12	21.94	0.156	22.02	0.159	22.02	0.159
5	QPSK	1	24	22.00	0.158	21.99	0.158	22.12	0.163
5	QPSK	12	0	21.08	0.128	21.01	0.126	21.02	0.126
5	QPSK	12	7	20.93	0.124	20.83	0.121	20.90	0.123
5	QPSK	12	13	20.83	0.121	20.99	0.126	20.82	0.121
5	QPSK	25	0	20.72	0.118	20.81	0.121	21.02	0.126
5	16QAM	1	0	21.12	0.129	21.05	0.127	21.11	0.129
5	16QAM	1	12	20.81	0.121	20.83	0.121	21.04	0.127
5	16QAM	1	24	20.88	0.122	20.96	0.125	20.86	0.122
5	16QAM	12	0	20.13	0.103	20.04	0.101	20.06	0.101
5	16QAM	12	7	19.99	0.100	19.99	0.100	20.06	0.101
5	16QAM	12	13	19.86	0.097	19.92	0.098	19.94	0.099
5	16QAM	25	0	20.08	0.102	20.07	0.102	20.02	0.100



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	22.02	0.159	22.09	0.162	21.99	0.158
3	QPSK	1	8	21.96	0.157	21.91	0.155	21.98	0.158
3	QPSK	1	14	22.05	0.160	21.82	0.152	21.93	0.156
3	QPSK	8	0	21.11	0.129	21.04	0.127	20.98	0.125
3	QPSK	8	4	20.88	0.122	20.86	0.122	20.72	0.118
3	QPSK	8	7	20.78	0.120	21.02	0.126	20.80	0.120
3	QPSK	15	0	20.94	0.124	20.94	0.124	20.96	0.125
3	16QAM	1	0	20.99	0.126	21.10	0.129	20.89	0.123
3	16QAM	1	8	21.07	0.128	20.88	0.122	20.85	0.122
3	16QAM	1	14	20.92	0.124	21.06	0.128	21.02	0.126
3	16QAM	8	0	19.99	0.100	20.11	0.103	19.92	0.098
3	16QAM	8	4	19.86	0.097	19.98	0.100	19.96	0.099
3	16QAM	8	7	19.92	0.098	19.91	0.098	20.02	0.100
3	16QAM	15	0	20.00	0.100	19.98	0.100	19.96	0.099



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.21	0.166	22.08	0.161	22.07	0.161
1.4	QPSK	1	3	22.05	0.160	21.94	0.156	22.01	0.159
1.4	QPSK	1	5	21.92	0.156	22.05	0.160	21.91	0.155
1.4	QPSK	3	0	21.05	0.127	20.96	0.125	20.95	0.124
1.4	QPSK	3	1	20.93	0.124	20.96	0.125	20.98	0.125
1.4	QPSK	3	3	21.02	0.126	20.99	0.126	20.83	0.121
1.4	QPSK	6	0	21.16	0.131	20.98	0.125	21.06	0.128
1.4	16QAM	1	0	20.97	0.125	20.99	0.126	21.01	0.126
1.4	16QAM	1	3	20.92	0.124	20.87	0.122	20.79	0.120
1.4	16QAM	1	5	21.06	0.128	20.84	0.121	21.08	0.128
1.4	16QAM	3	0	20.05	0.101	20.06	0.101	19.83	0.096
1.4	16QAM	3	1	20.00	0.100	20.07	0.102	20.16	0.104
1.4	16QAM	3	3	19.94	0.099	19.95	0.099	20.01	0.100
1.4	16QAM	6	0	20.01	0.100	20.04	0.101	19.91	0.098



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.96	0.198	22.89	0.195	23.01	0.200
20	QPSK	1	49	22.86	0.193	22.79	0.190	22.94	0.197
20	QPSK	1	99	22.83	0.192	22.83	0.192	22.87	0.194
20	QPSK	50	0	21.93	0.156	22.01	0.159	21.99	0.158
20	QPSK	50	24	21.96	0.157	21.98	0.158	21.87	0.154
20	QPSK	50	50	21.84	0.153	21.95	0.157	21.94	0.156
20	QPSK	100	0	21.90	0.155	21.92	0.156	21.91	0.155
20	16QAM	1	0	22.49	0.177	22.43	0.175	22.51	0.178
20	16QAM	1	49	22.48	0.177	22.59	0.182	22.37	0.173
20	16QAM	1	99	22.46	0.176	22.56	0.180	22.45	0.176
20	16QAM	50	0	21.15	0.130	21.13	0.130	21.07	0.128
20	16QAM	50	24	21.01	0.126	21.05	0.127	21.12	0.129
20	16QAM	50	50	21.10	0.129	21.03	0.127	21.14	0.130
20	16QAM	100	0	21.06	0.128	21.10	0.129	21.10	0.129



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.82	0.191	22.86	0.193	22.88	0.194
15	QPSK	1	37	22.79	0.190	22.74	0.188	22.90	0.195
15	QPSK	1	74	22.76	0.189	22.62	0.183	22.86	0.193
15	QPSK	36	0	21.66	0.147	21.91	0.155	21.96	0.157
15	QPSK	36	20	21.76	0.150	21.88	0.154	21.82	0.152
15	QPSK	36	39	21.73	0.149	21.90	0.155	21.85	0.153
15	QPSK	75	0	21.62	0.145	21.80	0.151	21.66	0.147
15	16QAM	1	0	22.44	0.175	22.41	0.174	22.30	0.170
15	16QAM	1	37	22.34	0.171	22.56	0.180	22.27	0.169
15	16QAM	1	74	22.17	0.165	22.55	0.180	22.25	0.168
15	16QAM	36	0	20.95	0.124	20.94	0.124	20.99	0.126
15	16QAM	36	20	20.79	0.120	20.89	0.123	20.85	0.122
15	16QAM	36	39	20.91	0.123	20.78	0.120	21.11	0.129
15	16QAM	75	0	20.92	0.124	21.07	0.128	20.87	0.122



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.84	0.192	22.82	0.191	22.78	0.190
10	QPSK	1	25	22.83	0.192	22.69	0.186	22.76	0.189
10	QPSK	1	49	22.82	0.191	22.67	0.185	22.80	0.191
10	QPSK	25	0	21.69	0.148	21.92	0.156	21.89	0.155
10	QPSK	25	12	21.81	0.152	21.71	0.148	21.64	0.146
10	QPSK	25	25	21.56	0.143	21.94	0.156	21.77	0.150
10	QPSK	50	0	21.87	0.154	21.71	0.148	21.80	0.151
10	16QAM	1	0	22.38	0.173	22.37	0.173	22.38	0.173
10	16QAM	1	25	22.27	0.169	22.42	0.175	22.25	0.168
10	16QAM	1	49	22.34	0.171	22.42	0.175	22.28	0.169
10	16QAM	25	0	20.87	0.122	20.88	0.122	20.89	0.123
10	16QAM	25	12	20.83	0.121	21.01	0.126	21.06	0.128
10	16QAM	25	25	20.96	0.125	20.91	0.123	21.07	0.128
10	16QAM	50	0	20.78	0.120	21.05	0.127	20.93	0.124



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.86	0.193	22.89	0.195	22.92	0.196
5	QPSK	1	12	22.66	0.185	22.75	0.188	22.82	0.191
5	QPSK	1	24	22.59	0.182	22.71	0.187	22.57	0.181
5	QPSK	12	0	21.88	0.154	21.99	0.158	21.87	0.154
5	QPSK	12	7	21.90	0.155	21.77	0.150	21.77	0.150
5	QPSK	12	13	21.66	0.147	21.70	0.148	21.78	0.151
5	QPSK	25	0	21.69	0.148	21.82	0.152	21.88	0.154
5	16QAM	1	0	22.21	0.166	22.18	0.165	22.35	0.172
5	16QAM	1	12	22.47	0.177	22.31	0.170	22.22	0.167
5	16QAM	1	24	22.35	0.172	22.51	0.178	22.19	0.166
5	16QAM	12	0	21.10	0.129	21.05	0.127	21.06	0.128
5	16QAM	12	7	20.91	0.123	20.77	0.119	21.07	0.128
5	16QAM	12	13	20.87	0.122	20.73	0.118	20.89	0.123
5	16QAM	25	0	20.91	0.123	21.04	0.127	21.05	0.127



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	20.61	0.115	20.63	0.116	20.66	0.116
10	QPSK	1	25	20.55	0.114	20.39	0.109	20.43	0.110
10	QPSK	1	49	20.38	0.109	20.42	0.110	20.46	0.111
10	QPSK	25	0	19.50	0.089	19.55	0.090	19.61	0.091
10	QPSK	25	12	19.45	0.088	19.42	0.087	19.39	0.087
10	QPSK	25	25	19.47	0.089	19.43	0.088	19.52	0.090
10	QPSK	50	0	19.50	0.089	19.49	0.089	19.67	0.093
10	16QAM	1	0	19.58	0.091	19.62	0.092	19.56	0.090
10	16QAM	1	25	19.61	0.091	19.41	0.087	19.24	0.084
10	16QAM	1	49	19.53	0.090	19.49	0.089	19.47	0.089
10	16QAM	25	0	18.44	0.070	18.47	0.070	18.65	0.073
10	16QAM	25	12	18.55	0.072	18.57	0.072	18.50	0.071
10	16QAM	25	25	18.43	0.070	18.33	0.068	18.33	0.068
10	16QAM	50	0	18.52	0.071	18.51	0.071	18.47	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	20.60	0.115	20.48	0.112	20.58	0.114
5	QPSK	1	12	20.34	0.108	20.55	0.114	20.60	0.115
5	QPSK	1	24	20.34	0.108	20.38	0.109	20.44	0.111
5	QPSK	12	0	19.43	0.088	19.53	0.090	19.56	0.090
5	QPSK	12	7	19.56	0.090	19.34	0.086	19.33	0.086
5	QPSK	12	13	19.45	0.088	19.46	0.088	19.59	0.091
5	QPSK	25	0	19.49	0.089	19.61	0.091	19.60	0.091
5	16QAM	1	0	19.52	0.090	19.62	0.092	19.57	0.091
5	16QAM	1	12	19.47	0.089	19.54	0.090	19.45	0.088
5	16QAM	1	24	19.41	0.087	19.36	0.086	19.53	0.090
5	16QAM	12	0	18.53	0.071	18.43	0.070	18.63	0.073
5	16QAM	12	7	18.56	0.072	18.49	0.071	18.56	0.072
5	16QAM	12	13	18.52	0.071	18.63	0.073	18.49	0.071
5	16QAM	25	0	18.42	0.070	18.46	0.070	18.48	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				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.58	0.114	20.55	0.114	20.54	0.113
3	QPSK	1	8	20.49	0.112	20.30	0.107	20.53	0.113
3	QPSK	1	14	20.45	0.111	20.43	0.110	20.36	0.109
3	QPSK	8	0	19.47	0.089	19.49	0.089	19.55	0.090
3	QPSK	8	4	19.33	0.086	19.40	0.087	19.50	0.089
3	QPSK	8	7	19.45	0.088	19.41	0.087	19.29	0.085
3	QPSK	15	0	19.49	0.089	19.44	0.088	19.52	0.090
3	16QAM	1	0	19.47	0.089	19.63	0.092	19.58	0.091
3	16QAM	1	8	19.45	0.088	19.49	0.089	19.48	0.089
3	16QAM	1	14	19.37	0.086	19.43	0.088	19.61	0.091
3	16QAM	8	0	18.33	0.068	18.62	0.073	18.58	0.072
3	16QAM	8	4	18.35	0.068	18.53	0.071	18.48	0.070
3	16QAM	8	7	18.32	0.068	18.41	0.069	18.43	0.070
3	16QAM	15	0	18.43	0.070	18.46	0.070	18.44	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				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.44	0.111	20.48	0.112	20.58	0.114
1.4	QPSK	1	3	20.41	0.110	20.34	0.108	20.47	0.111
1.4	QPSK	1	5	20.37	0.109	20.36	0.109	20.45	0.111
1.4	QPSK	3	0	19.40	0.087	19.38	0.087	19.50	0.089
1.4	QPSK	3	1	19.30	0.085	19.33	0.086	19.27	0.085
1.4	QPSK	3	3	19.27	0.085	19.34	0.086	19.50	0.089
1.4	QPSK	6	0	19.42	0.087	19.46	0.088	19.66	0.092
1.4	16QAM	1	0	19.34	0.086	19.40	0.087	19.55	0.090
1.4	16QAM	1	3	19.46	0.088	19.36	0.086	19.35	0.086
1.4	16QAM	1	5	19.25	0.084	19.33	0.086	19.37	0.086
1.4	16QAM	3	0	18.43	0.070	18.48	0.070	18.39	0.069
1.4	16QAM	3	1	18.43	0.070	18.47	0.070	18.34	0.068
1.4	16QAM	3	3	18.35	0.068	18.28	0.067	18.37	0.069
1.4	16QAM	6	0	18.52	0.071	18.43	0.070	18.58	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	20.54	0.113	20.63	0.116	20.59	0.115
10	QPSK	1	25	20.37	0.109	20.47	0.111	20.44	0.111
10	QPSK	1	49	20.42	0.110	20.37	0.109	20.49	0.112
10	QPSK	25	0	19.62	0.092	19.56	0.090	19.64	0.092
10	QPSK	25	12	19.49	0.089	19.49	0.089	19.60	0.091
10	QPSK	25	25	19.44	0.088	19.38	0.087	19.54	0.090
10	QPSK	50	0	19.45	0.088	19.60	0.091	19.80	0.095
10	16QAM	1	0	19.62	0.092	19.58	0.091	19.54	0.090
10	16QAM	1	25	19.67	0.093	19.54	0.090	19.33	0.086
10	16QAM	1	49	19.68	0.093	19.51	0.089	19.50	0.089
10	16QAM	25	0	18.64	0.073	18.41	0.069	18.67	0.074
10	16QAM	25	12	18.49	0.071	18.53	0.071	18.69	0.074
10	16QAM	25	25	18.55	0.072	18.29	0.067	18.45	0.070
10	16QAM	50	0	18.68	0.074	18.64	0.073	18.62	0.073



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	20.46	0.111	20.44	0.111	20.49	0.112
5	QPSK	1	12	20.21	0.105	20.23	0.105	20.35	0.108
5	QPSK	1	24	20.34	0.108	20.46	0.111	20.31	0.107
5	QPSK	12	0	19.36	0.086	19.35	0.086	19.49	0.089
5	QPSK	12	7	19.35	0.086	19.50	0.089	19.26	0.084
5	QPSK	12	13	19.34	0.086	19.28	0.085	19.41	0.087
5	QPSK	25	0	19.31	0.085	19.38	0.087	19.47	0.089
5	16QAM	1	0	19.45	0.088	19.51	0.089	19.46	0.088
5	16QAM	1	12	19.30	0.085	19.23	0.084	19.52	0.090
5	16QAM	1	24	19.23	0.084	19.35	0.086	19.20	0.083
5	16QAM	12	0	18.50	0.071	18.61	0.073	18.49	0.071
5	16QAM	12	7	18.28	0.067	18.48	0.070	18.31	0.068
5	16QAM	12	13	18.36	0.069	18.36	0.069	18.21	0.066
5	16QAM	25	0	18.36	0.069	18.19	0.066	18.22	0.066



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.23	0.265	24.48	0.281	24.41	0.276
20	QPSK	1	49	24.22	0.264	24.26	0.267	24.24	0.265
20	QPSK	1	99	24.38	0.274	24.15	0.260	24.29	0.269
20	QPSK	50	0	23.31	0.214	23.39	0.218	23.12	0.205
20	QPSK	50	24	23.15	0.207	23.21	0.209	23.16	0.207
20	QPSK	50	50	23.23	0.210	23.17	0.207	23.15	0.207
20	QPSK	100	0	23.03	0.201	23.08	0.203	23.10	0.204
20	16QAM	1	0	23.13	0.206	23.43	0.220	23.34	0.216
20	16QAM	1	49	23.16	0.207	23.12	0.205	23.24	0.211
20	16QAM	1	99	23.16	0.207	22.99	0.199	23.09	0.204
20	16QAM	50	0	22.31	0.170	22.15	0.164	22.36	0.172
20	16QAM	50	24	22.00	0.158	22.10	0.162	22.11	0.163
20	16QAM	50	50	22.26	0.168	22.19	0.166	22.22	0.167
20	16QAM	100	0	22.07	0.161	22.10	0.162	22.14	0.164



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.35	0.272	24.21	0.264	24.40	0.275
15	QPSK	1	37	24.17	0.261	24.04	0.254	24.08	0.256
15	QPSK	1	74	24.34	0.272	24.10	0.257	24.06	0.255
15	QPSK	36	0	23.26	0.212	23.13	0.206	23.06	0.202
15	QPSK	36	20	23.11	0.205	23.17	0.207	23.21	0.209
15	QPSK	36	39	23.07	0.203	23.27	0.212	22.99	0.199
15	QPSK	75	0	22.96	0.198	22.99	0.199	22.96	0.198
15	16QAM	1	0	23.06	0.202	23.35	0.216	23.10	0.204
15	16QAM	1	37	23.00	0.200	23.25	0.211	23.23	0.210
15	16QAM	1	74	22.97	0.198	23.09	0.204	23.15	0.207
15	16QAM	36	0	22.17	0.165	22.13	0.163	22.24	0.167
15	16QAM	36	20	22.28	0.169	22.03	0.160	22.07	0.161
15	16QAM	36	39	22.18	0.165	22.06	0.161	22.12	0.163
15	16QAM	75	0	22.00	0.158	22.01	0.159	21.95	0.157



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.24	0.265	24.30	0.269	24.21	0.264
10	QPSK	1	25	24.09	0.256	24.29	0.269	24.21	0.264
10	QPSK	1	49	24.09	0.256	24.14	0.259	24.23	0.265
10	QPSK	25	0	23.20	0.209	23.09	0.204	23.10	0.204
10	QPSK	25	12	23.25	0.211	23.01	0.200	23.24	0.211
10	QPSK	25	25	23.11	0.205	23.10	0.204	23.29	0.213
10	QPSK	50	0	23.12	0.205	23.34	0.216	23.20	0.209
10	16QAM	1	0	23.06	0.202	23.30	0.214	23.06	0.202
10	16QAM	1	25	22.96	0.198	23.09	0.204	22.98	0.199
10	16QAM	1	49	23.13	0.206	22.92	0.196	23.24	0.211
10	16QAM	25	0	22.30	0.170	22.01	0.159	22.21	0.166
10	16QAM	25	12	22.10	0.162	22.09	0.162	22.26	0.168
10	16QAM	25	25	21.97	0.157	22.09	0.162	22.03	0.160
10	16QAM	50	0	21.86	0.153	21.95	0.157	22.00	0.158



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.26	0.267	24.37	0.274	24.31	0.270
5	QPSK	1	12	24.19	0.262	24.03	0.253	24.20	0.263
5	QPSK	1	24	24.32	0.270	24.00	0.251	24.07	0.255
5	QPSK	12	0	23.11	0.205	23.15	0.207	23.23	0.210
5	QPSK	12	7	23.14	0.206	23.18	0.208	23.03	0.201
5	QPSK	12	13	23.10	0.204	22.95	0.197	23.28	0.213
5	QPSK	25	0	22.99	0.199	22.80	0.191	22.88	0.194
5	16QAM	1	0	23.11	0.205	23.13	0.206	23.28	0.213
5	16QAM	1	12	23.05	0.202	23.24	0.211	23.19	0.208
5	16QAM	1	24	22.91	0.195	23.19	0.208	23.09	0.204
5	16QAM	12	0	22.22	0.167	21.93	0.156	22.14	0.164
5	16QAM	12	7	22.24	0.167	22.03	0.160	22.01	0.159
5	16QAM	12	13	22.04	0.160	22.08	0.161	22.09	0.162
5	16QAM	25	0	21.80	0.151	21.98	0.158	22.06	0.161



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.35	0.272	24.20	0.263	24.38	0.274
3	QPSK	1	8	24.18	0.262	24.15	0.260	24.20	0.263
3	QPSK	1	14	24.16	0.261	23.99	0.251	24.04	0.254
3	QPSK	8	0	23.18	0.208	23.14	0.206	23.09	0.204
3	QPSK	8	4	23.26	0.212	23.28	0.213	23.09	0.204
3	QPSK	8	7	22.99	0.199	22.95	0.197	23.14	0.206
3	QPSK	15	0	22.90	0.195	23.07	0.203	22.97	0.198
3	16QAM	1	0	23.13	0.206	23.35	0.216	23.07	0.203
3	16QAM	1	8	23.11	0.205	22.93	0.196	22.98	0.199
3	16QAM	1	14	23.14	0.206	23.24	0.211	23.25	0.211
3	16QAM	8	0	22.12	0.163	22.05	0.160	22.17	0.165
3	16QAM	8	4	22.08	0.161	22.11	0.163	21.98	0.158
3	16QAM	8	7	22.07	0.161	22.10	0.162	22.01	0.159
3	16QAM	15	0	21.77	0.150	21.96	0.157	21.99	0.158



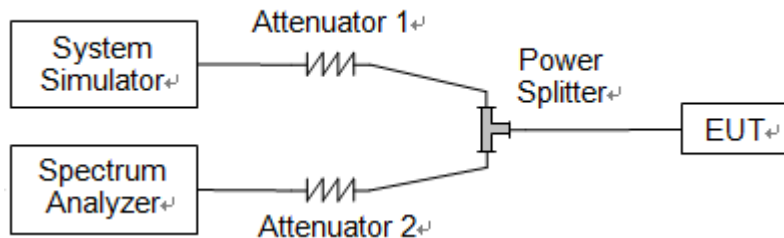
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.22	0.264	24.28	0.268	24.36	0.273
1.4	QPSK	1	3	24.09	0.256	24.19	0.262	23.95	0.248
1.4	QPSK	1	5	24.30	0.269	24.06	0.255	24.16	0.261
1.4	QPSK	3	0	23.03	0.201	23.20	0.209	23.02	0.200
1.4	QPSK	3	1	23.12	0.205	23.12	0.205	23.08	0.203
1.4	QPSK	3	3	23.17	0.207	23.16	0.207	22.93	0.196
1.4	QPSK	6	0	23.31	0.214	23.23	0.210	23.25	0.211
1.4	16QAM	1	0	23.23	0.210	23.32	0.215	23.28	0.213
1.4	16QAM	1	3	23.06	0.202	23.08	0.203	23.15	0.207
1.4	16QAM	1	5	23.08	0.203	22.93	0.196	23.10	0.204
1.4	16QAM	3	0	22.17	0.165	21.99	0.158	22.34	0.171
1.4	16QAM	3	1	21.96	0.157	22.08	0.161	22.03	0.160
1.4	16QAM	3	3	22.02	0.159	21.99	0.158	21.96	0.157
1.4	16QAM	6	0	21.98	0.158	22.03	0.160	22.04	0.160

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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

2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.25
	Low	16QAM	1.10	1.25
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.25
3	Low	QPSK	2.72	3.05
	Low	16QAM	2.71	3.05
	Mid	QPSK	2.72	3.04
	Mid	16QAM	2.71	3.05
	High	QPSK	2.72	3.05
	High	16QAM	2.71	3.06
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.50	4.97
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.49	5.00
	High	QPSK	4.50	4.98
	High	16QAM	4.50	4.99
10	Low	QPSK	9.02	9.83
	Low	16QAM	8.98	9.80
	Mid	QPSK	9.04	9.83
	Mid	16QAM	8.98	9.84
	High	QPSK	9.04	9.85
	High	16QAM	8.99	9.89
15	Low	QPSK	13.46	14.52
	Low	16QAM	13.47	14.98
	Mid	QPSK	13.50	14.89
	Mid	16QAM	13.50	14.93
	High	QPSK	13.47	14.96
	High	16QAM	13.49	14.96
20	Low	QPSK	17.98	19.68
	Low	16QAM	17.98	19.87
	Mid	QPSK	18.02	19.82
	Mid	16QAM	18.03	19.71
	High	QPSK	17.99	19.84
	High	16QAM	17.98	19.67



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.26
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.26
3	Low	QPSK	2.71	3.04
	Low	16QAM	2.72	3.06
	Mid	QPSK	2.72	3.03
	Mid	16QAM	2.72	3.06
	High	QPSK	2.71	3.04
	High	16QAM	2.72	3.07
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.50	5.01
	Mid	QPSK	4.49	4.94
	Mid	16QAM	4.50	4.97
	High	QPSK	4.50	4.98
	High	16QAM	4.51	4.99
10	Low	QPSK	9.01	9.90
	Low	16QAM	8.97	9.83
	Mid	QPSK	9.00	9.94
	Mid	16QAM	8.97	9.86
	High	QPSK	9.00	9.89
	High	16QAM	8.98	9.83
15	Low	QPSK	13.49	14.93
	Low	16QAM	13.51	14.99
	Mid	QPSK	13.46	14.82
	Mid	16QAM	13.48	14.90
	High	QPSK	13.50	14.98
	High	16QAM	13.49	14.91
20	Low	QPSK	17.99	19.78
	Low	16QAM	18.04	19.83
	Mid	QPSK	17.96	19.77
	Mid	16QAM	17.99	19.73
	High	QPSK	17.97	19.87
	High	16QAM	18.03	19.86



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.25
	Low	16QAM	1.10	1.25
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
3	Low	QPSK	2.72	3.08
	Low	16QAM	2.71	3.03
	Mid	QPSK	2.72	3.03
	Mid	16QAM	2.72	3.06
	High	QPSK	2.72	3.05
	High	16QAM	2.71	3.07
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.50	4.98
	Mid	QPSK	4.51	4.97
	Mid	16QAM	4.50	4.99
	High	QPSK	4.50	4.98
	High	16QAM	4.50	4.96
10	Low	QPSK	9.00	9.89
	Low	16QAM	8.99	9.81
	Mid	QPSK	9.03	9.86
	Mid	16QAM	8.98	9.79
	High	QPSK	9.02	9.90
	High	16QAM	8.97	9.88



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.98
	Low	16QAM	4.49	4.97
	Mid	QPSK	4.50	4.96
	Mid	16QAM	4.51	4.99
	High	QPSK	4.50	4.99
	High	16QAM	4.51	5.00
10	Low	QPSK	9.01	9.91
	Low	16QAM	8.98	9.87
	Mid	QPSK	9.00	9.88
	Mid	16QAM	8.98	9.87
	High	QPSK	9.01	9.91
	High	16QAM	8.98	9.89
15	Low	QPSK	13.48	14.93
	Low	16QAM	13.49	14.93
	Mid	QPSK	13.47	14.94
	Mid	16QAM	13.49	14.82
	High	QPSK	13.52	14.95
	High	16QAM	13.51	15.03
20	Low	QPSK	18.02	19.93
	Low	16QAM	18.02	19.76
	Mid	QPSK	17.99	19.66
	Mid	16QAM	18.04	19.78
	High	QPSK	17.99	19.78
	High	16QAM	17.99	19.89



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.24
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.24
3	Low	QPSK	2.71	3.05
	Low	16QAM	2.71	3.04
	Mid	QPSK	2.71	3.05
	Mid	16QAM	2.71	3.05
	High	QPSK	2.72	3.05
	High	16QAM	2.72	3.05
5	Low	QPSK	4.51	4.96
	Low	16QAM	4.50	4.97
	Mid	QPSK	4.51	4.95
	Mid	16QAM	4.50	4.95
	High	QPSK	4.51	4.98
	High	16QAM	4.51	4.96
10	Low	QPSK	9.00	9.92
	Low	16QAM	8.99	9.84
	Mid	QPSK	9.01	9.84
	Mid	16QAM	8.97	9.82
	High	QPSK	9.00	9.88
	High	16QAM	8.97	9.86



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.50	4.96
	Mid	QPSK	4.49	4.95
	Mid	16QAM	4.50	4.96
	High	QPSK	4.51	4.99
	High	16QAM	4.50	4.96
10	Low	QPSK	8.99	9.79
	Low	16QAM	8.97	9.79
	Mid	QPSK	9.00	9.91
	Mid	16QAM	8.95	9.74
	High	QPSK	9.01	9.84
	High	16QAM	8.97	9.84



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.26
	Low	16QAM	1.10	1.26
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.09	1.26
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.26
3	Low	QPSK	2.72	3.06
	Low	16QAM	2.71	3.06
	Mid	QPSK	2.72	3.04
	Mid	16QAM	2.72	3.05
	High	QPSK	2.71	3.06
	High	16QAM	2.71	3.06
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.51	4.99
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.49	4.99
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.96
10	Low	QPSK	9.02	9.83
	Low	16QAM	8.98	9.82
	Mid	QPSK	9.01	9.90
	Mid	16QAM	8.97	9.85
	High	QPSK	9.02	9.93
	High	16QAM	8.97	9.85
15	Low	QPSK	13.49	15.02
	Low	16QAM	13.49	14.89
	Mid	QPSK	13.50	14.91
	Mid	16QAM	13.47	14.92
	High	QPSK	13.53	14.94
	High	16QAM	13.51	14.90
20	Low	QPSK	18.02	19.75
	Low	16QAM	18.04	19.80
	Mid	QPSK	18.02	19.78
	Mid	16QAM	18.04	19.74
	High	QPSK	18.02	19.82
	High	16QAM	18.05	19.81



Band2 / 1.4MHz / QPSK/ Low CH



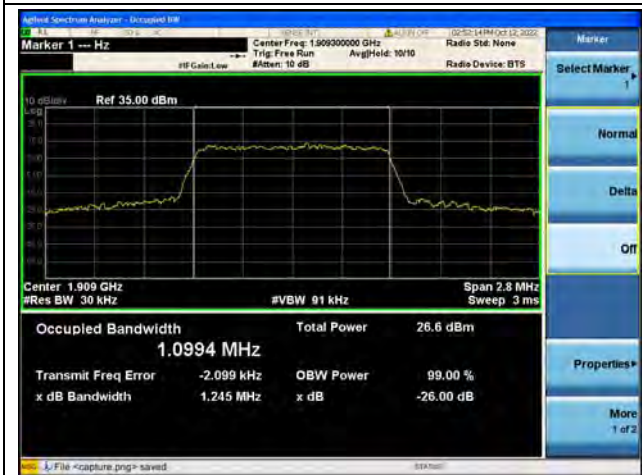
Band2 / 1.4MHz / 16QAM/ Low CH



Band2 / 1.4MHz / QPSK/ Mid CH



Band2 / 1.4MHz / 16QAM/ Mid CH



Band2 / 1.4MHz / QPSK/ High CH



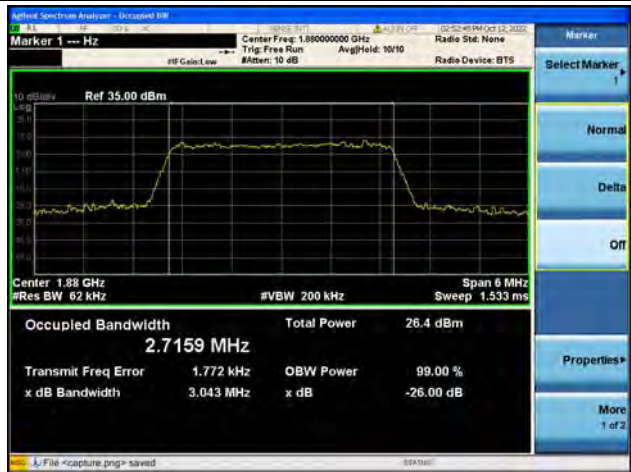
Band2 / 1.4MHz / 16QAM/ High CH



Band2 / 3MHz / QPSK/ Low CH



Band2 / 3MHz / 16QAM/ Low CH



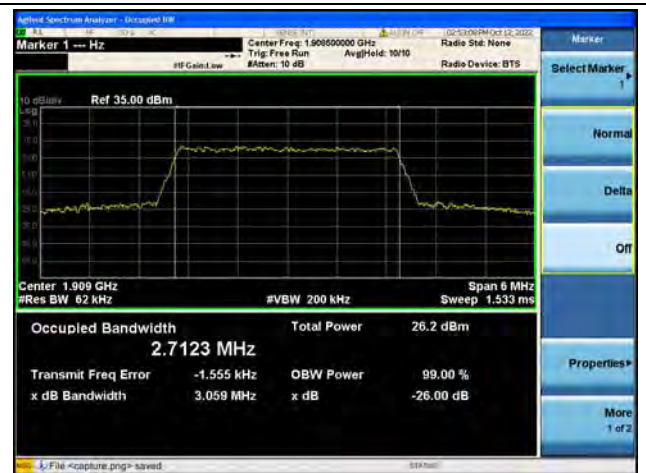
Band2 / 3MHz / QPSK/ Mid CH



Band2 / 3MHz / 16QAM/ Mid CH



Band2 / 3MHz / QPSK/ High CH



Band2 / 3MHz / 16QAM/ High CH



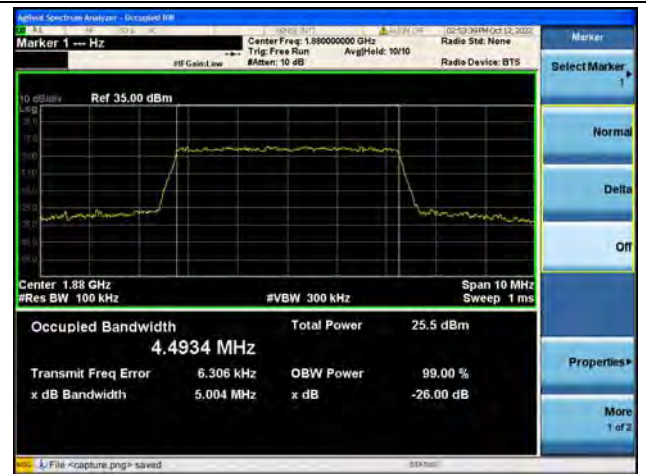
Band2 / 5MHz / QPSK/ Low CH



Band2 / 5MHz / 16QAM/ Low CH



Band2 / 5MHz / QPSK/ Mid CH



Band2 / 5MHz / 16QAM/ Mid CH



Band2 / 5MHz / QPSK/ High CH



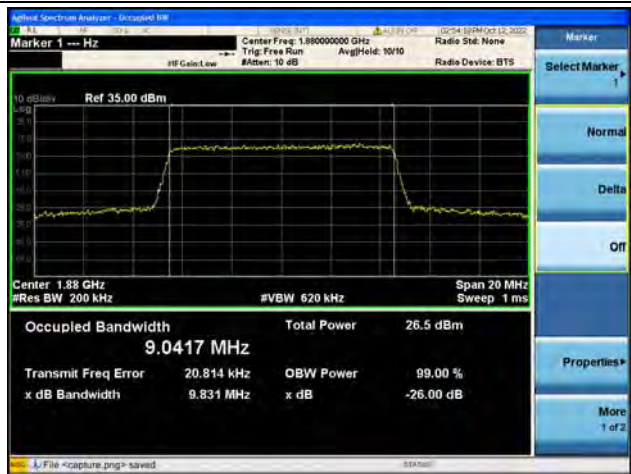
Band2 / 5MHz / 16QAM/ High CH



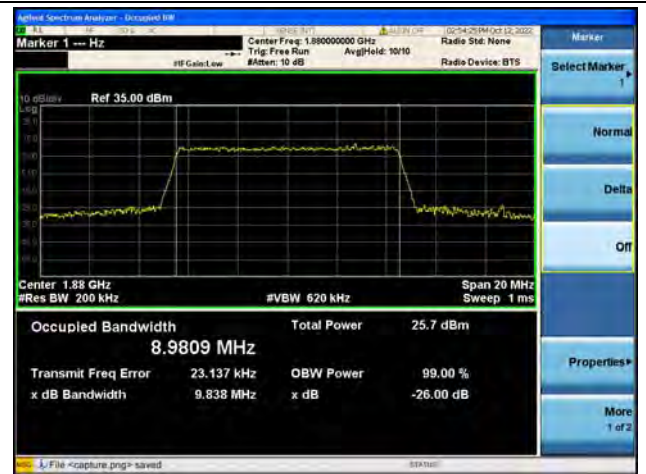
Band2 / 10MHz / QPSK/ Low CH



Band2 / 10MHz / 16QAM/ Low CH



Band2 / 10MHz / QPSK/ Mid CH



Band2 / 10MHz / 16QAM/ Mid CH



Band2 / 10MHz / QPSK/ High CH



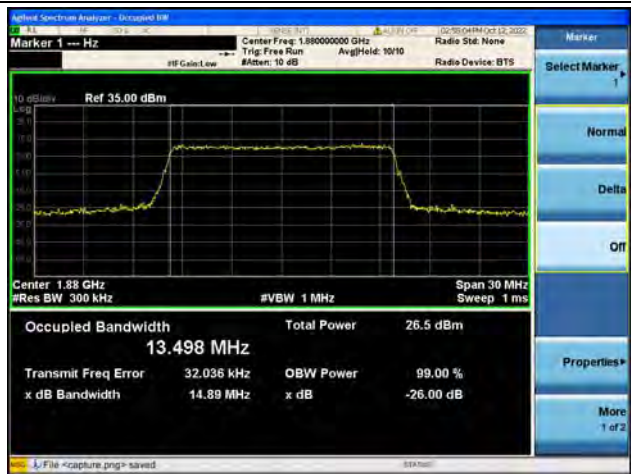
Band2 / 10MHz / 16QAM/ High CH



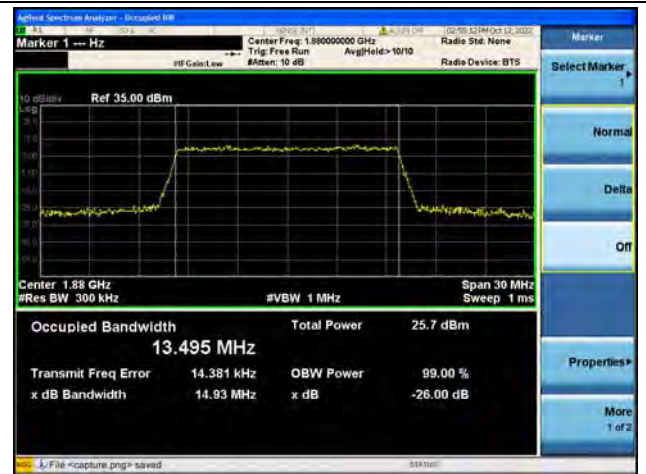
Band2 / 15MHz / QPSK/ Low CH



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



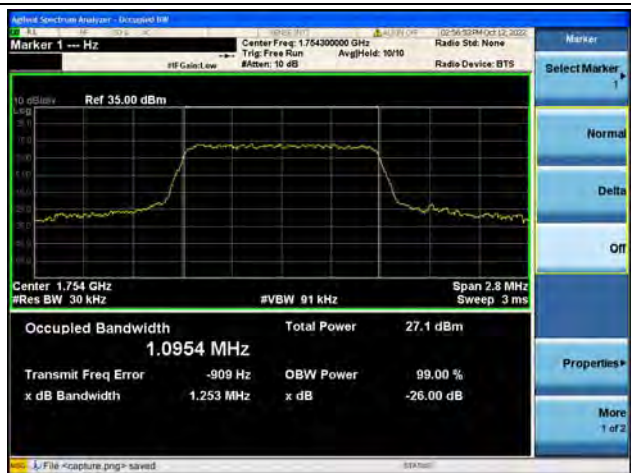
Band4 / 1.4MHz / 16QAM/ Low CH



Band4 / 1.4MHz / QPSK/ Mid CH



Band4 / 1.4MHz / 16QAM/ Mid CH



Band4 / 1.4MHz / QPSK/ High CH



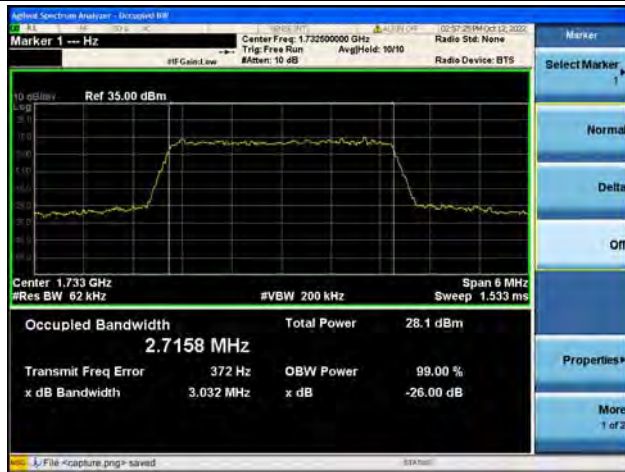
Band4 / 1.4MHz / 16QAM/ High CH



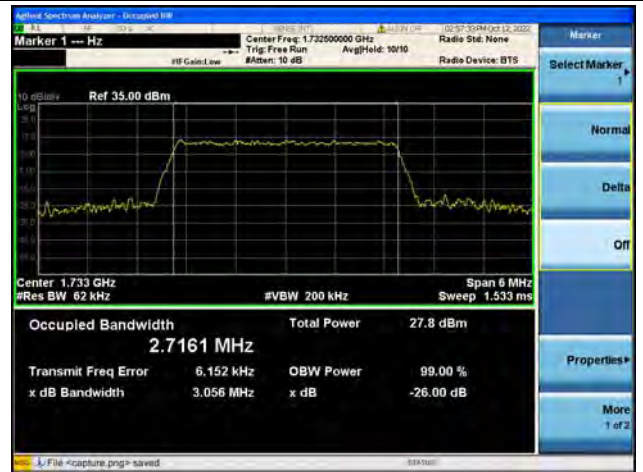
Band4 / 3MHz / QPSK/ Low CH



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



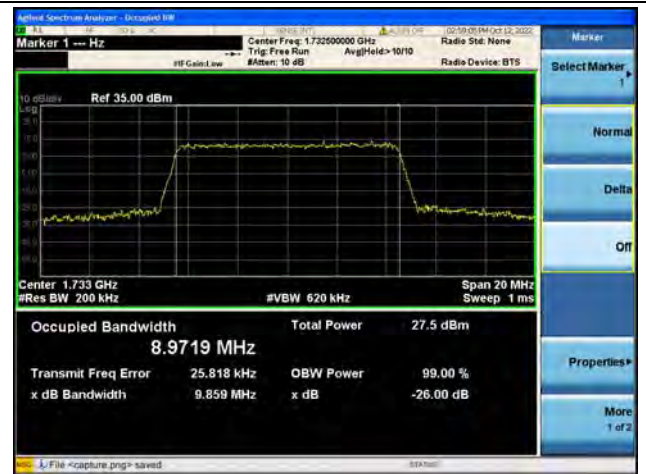
Band4 / 10MHz / QPSK/ Low CH



Band4 / 10MHz / 16QAM/ Low CH



Band4 / 10MHz / QPSK/ Mid CH



Band4 / 10MHz / 16QAM/ Mid CH



Band4 / 10MHz / QPSK/ High CH



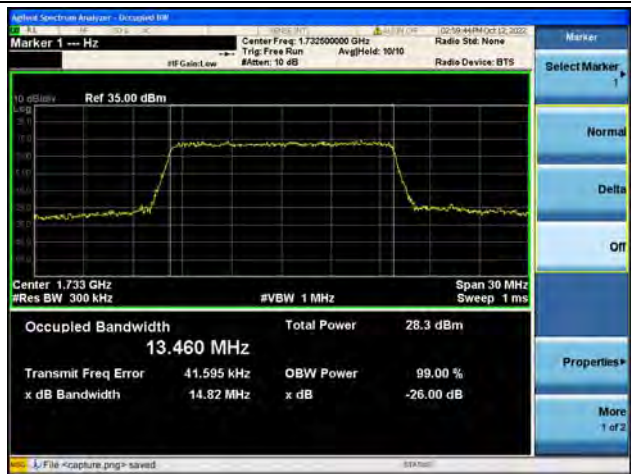
Band4 / 10MHz / 16QAM/ High CH



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



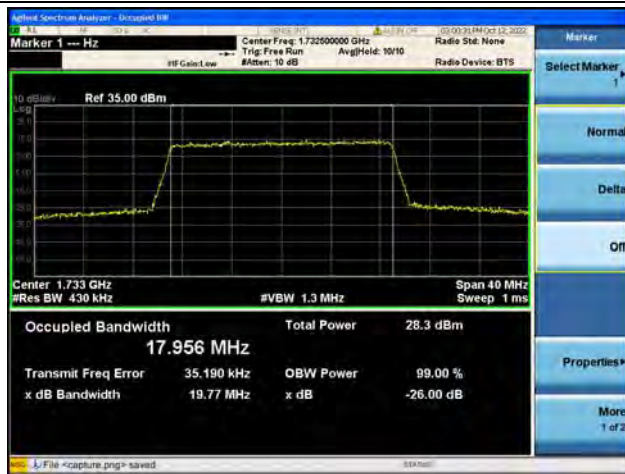
Band4 / 15MHz / 16QAM/ High CH



Band4 / 20MHz / QPSK/ Low CH



Band4 / 20MHz / 16QAM/ Low CH



Band4 / 20MHz / QPSK/ Mid CH



Band4 / 20MHz / 16QAM/ Mid CH



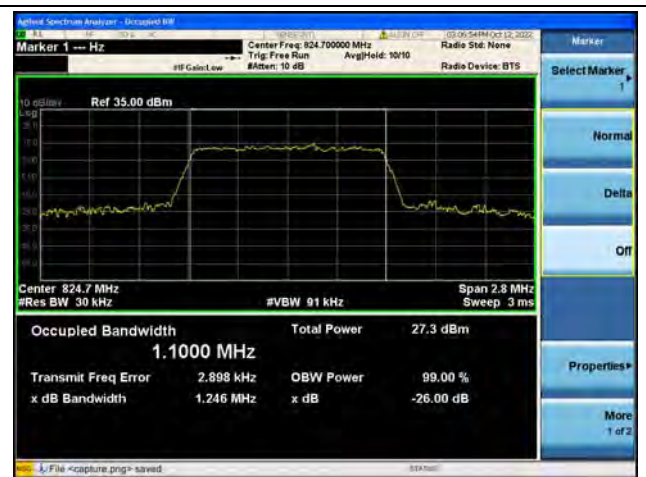
Band4 / 20MHz / QPSK/ High CH



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



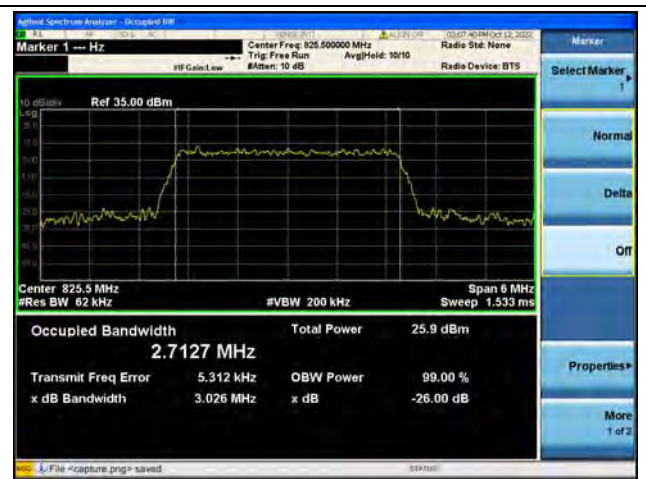
Band5 / 1.4MHz / QPSK/ High CH



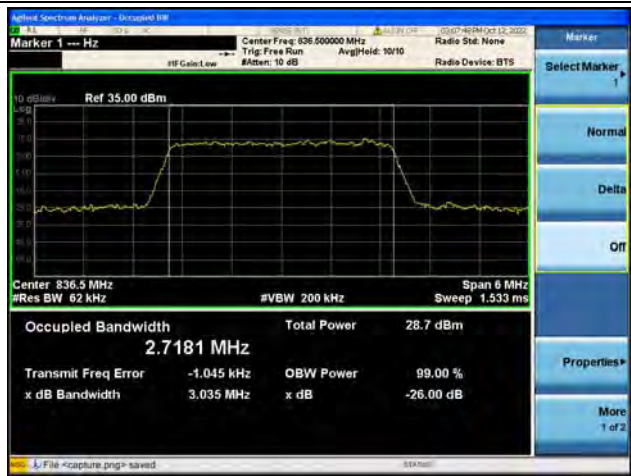
Band5 / 1.4MHz / 16QAM/ High CH



Band5 / 3MHz / QPSK/ Low CH



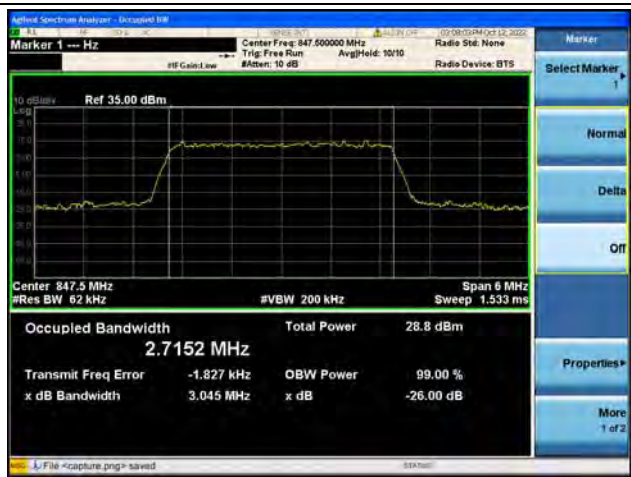
Band5 / 3MHz / 16QAM/ Low CH



Band5 / 3MHz / QPSK/ Mid CH



Band5 / 3MHz / 16QAM/ Mid CH



Band5 / 3MHz / QPSK/ High CH



Band5 / 3MHz / 16QAM/ High CH



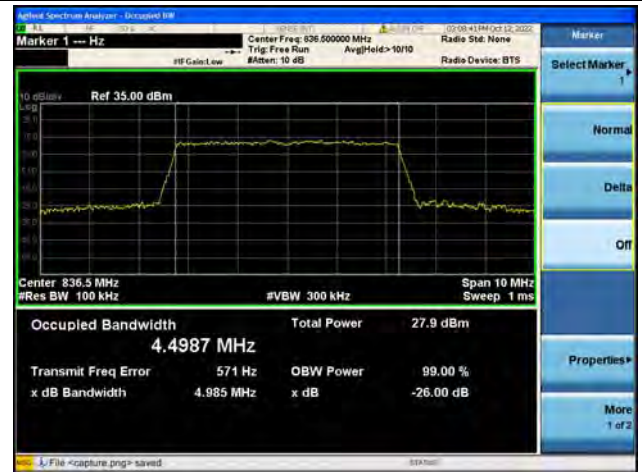
Band5 / 5MHz / QPSK/ Low CH



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



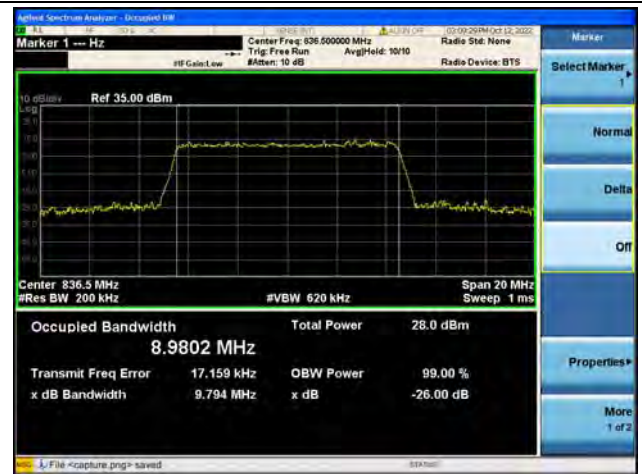
Band5 / 10MHz / QPSK/ Low CH



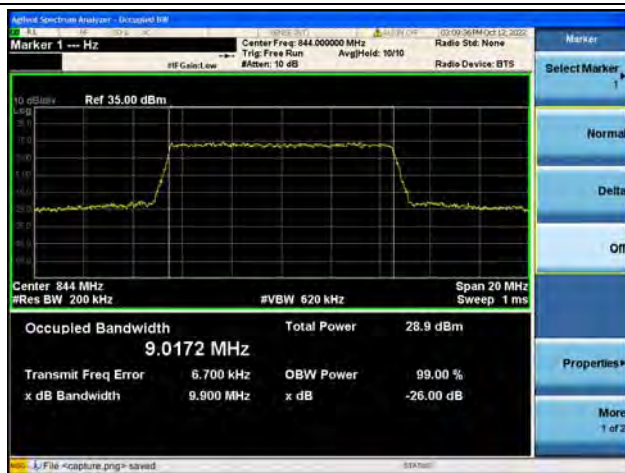
Band5 / 10MHz / 16QAM/ Low CH



Band5 / 10MHz / QPSK/ Mid CH



Band5 / 10MHz / 16QAM/ Mid CH



Band5 / 10MHz / QPSK/ High CH



Band5 / 10MHz / 16QAM/ High CH



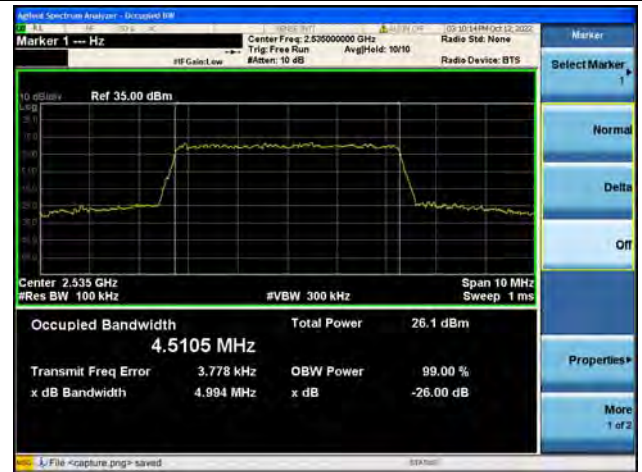
Band7 / 5MHz / QPSK/ Low CH



Band7 / 5MHz / 16QAM/ Low CH



Band7 / 5MHz / QPSK/ Mid CH



Band7 / 5MHz / 16QAM/ Mid CH



Band7 / 5MHz / QPSK/ High CH



Band7 / 5MHz / 16QAM/ High CH



Band7 / 10MHz / QPSK/ Low CH



Band7 / 10MHz / 16QAM/ Low CH



Band7 / 10MHz / QPSK/ Mid CH



Band7 / 10MHz / 16QAM/ Mid CH



Band7 / 10MHz / QPSK/ High CH



Band7 / 10MHz / 16QAM/ High CH



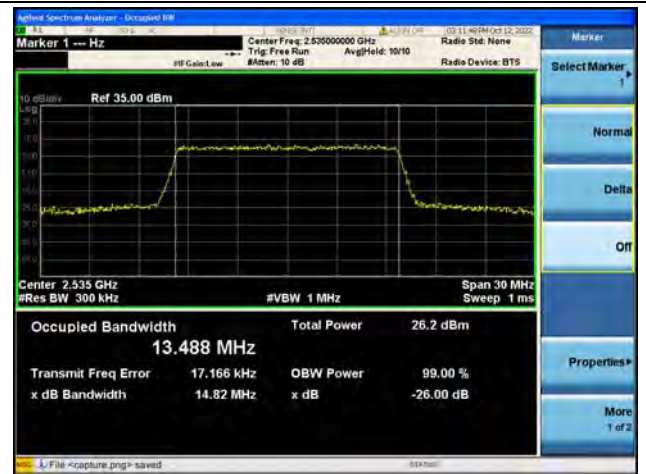
Band7 / 15MHz / QPSK/ Low CH



Band7 / 15MHz / 16QAM/ Low CH



Band7 / 15MHz / QPSK/ Mid CH



Band7 / 15MHz / 16QAM/ Mid CH



Band7 / 15MHz / QPSK/ High CH



Band7 / 15MHz / 16QAM/ High CH



Band7 / 20MHz / QPSK/ Low CH



Band7 / 20MHz / 16QAM/ Low CH



Band7 / 20MHz / QPSK/ Mid CH



Band7 / 20MHz / 16QAM/ Mid CH



Band7 / 20MHz / QPSK/ High CH



Band7 / 20MHz / 16QAM/ High CH



Band12 / 1.4MHz / QPSK/ Low CH



Band12 / 1.4MHz / 16QAM/ Low CH



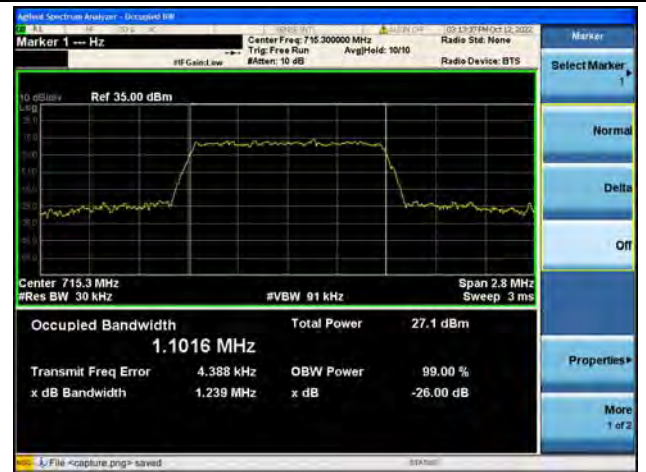
Band12 / 1.4MHz / QPSK/ Mid CH



Band12 / 1.4MHz / 16QAM/ Mid CH



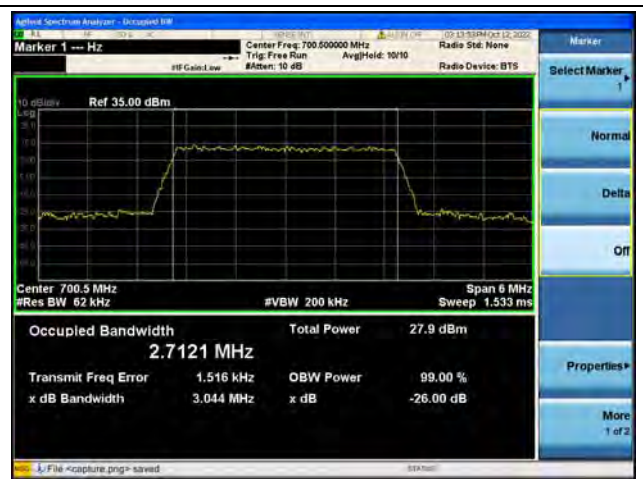
Band12 / 1.4MHz / QPSK/ High CH



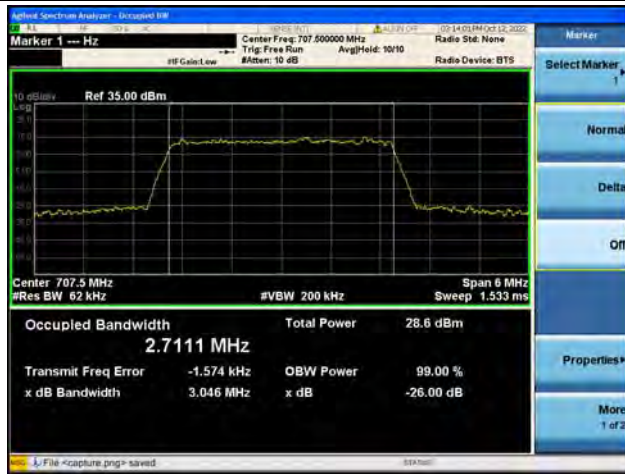
Band12 / 1.4MHz / 16QAM/ High CH



Band12 / 3MHz / QPSK/ Low CH



Band12 / 3MHz / 16QAM/ Low CH



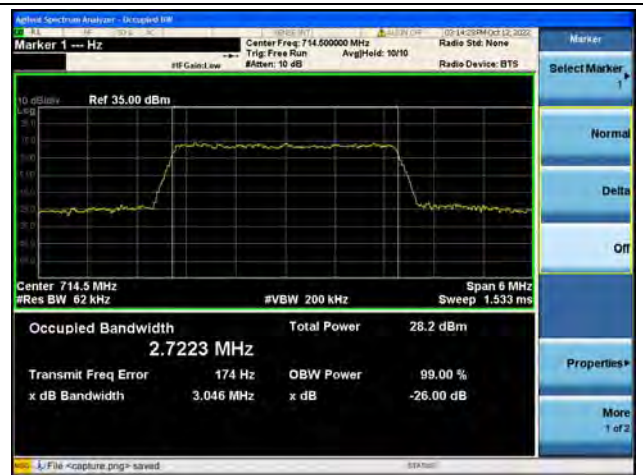
Band12 / 3MHz / QPSK/ Mid CH



Band12 / 3MHz / 16QAM/ Mid CH



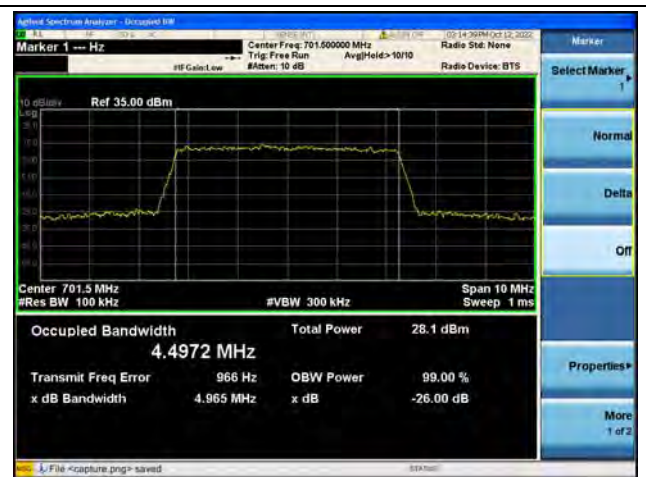
Band12 / 3MHz / QPSK/ High CH



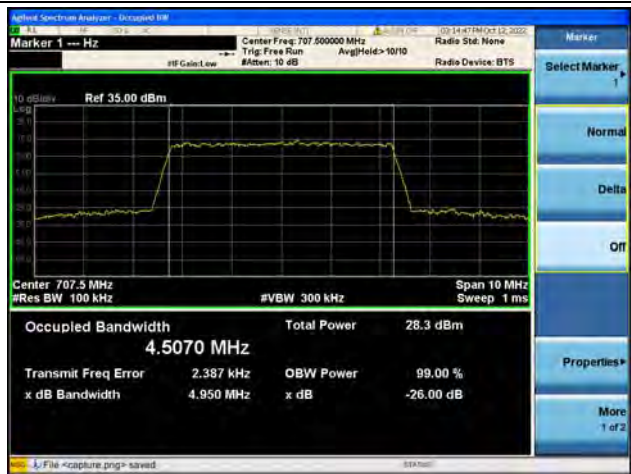
Band12 / 3MHz / 16QAM/ High CH



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



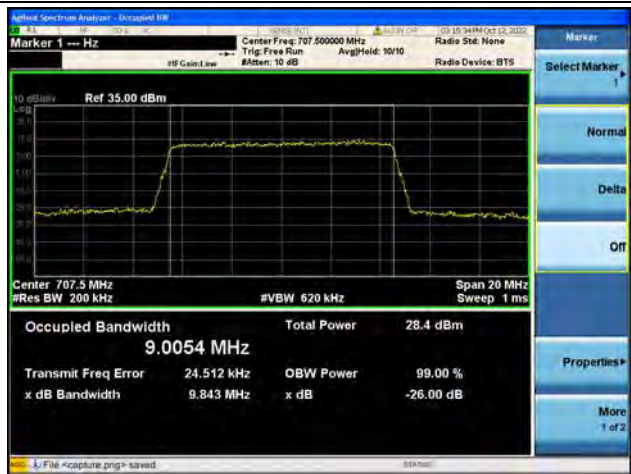
Band12 / 5MHz / 16QAM/ High CH



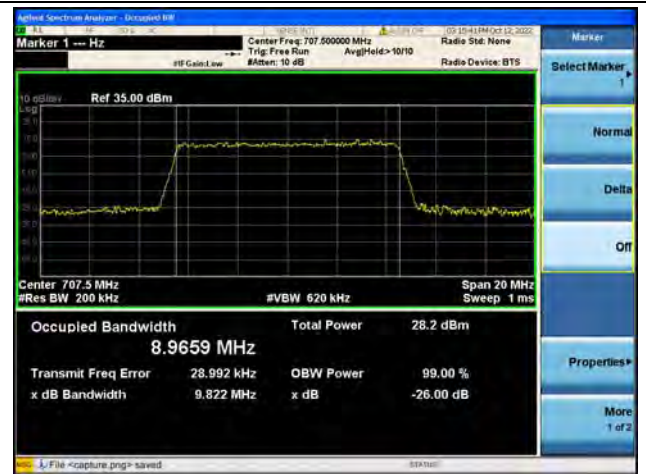
Band12 / 10MHz / QPSK/ Low CH



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



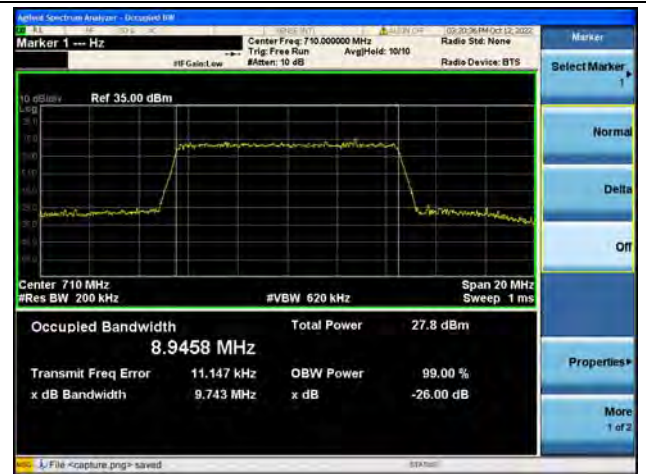
Band17 / 10MHz / QPSK/ Low CH



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



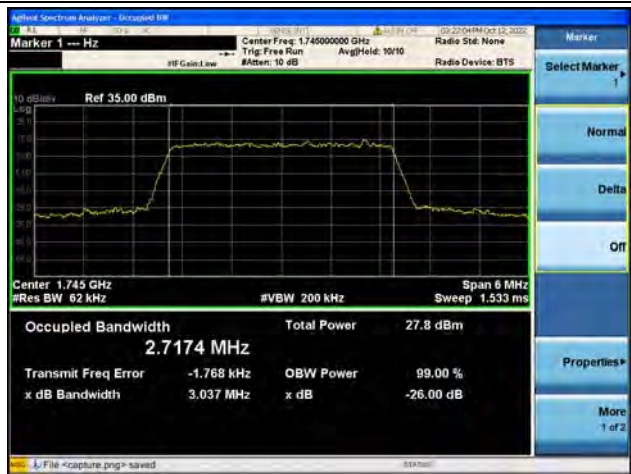
Band66 / 1.4MHz / 16QAM/ High CH



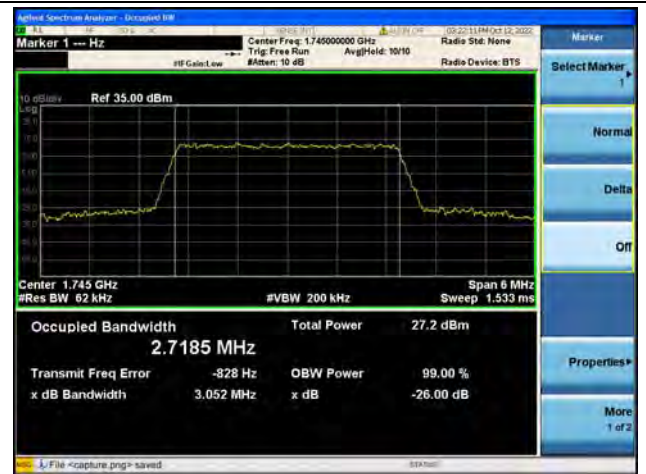
Band66 / 3MHz / QPSK/ Low CH



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



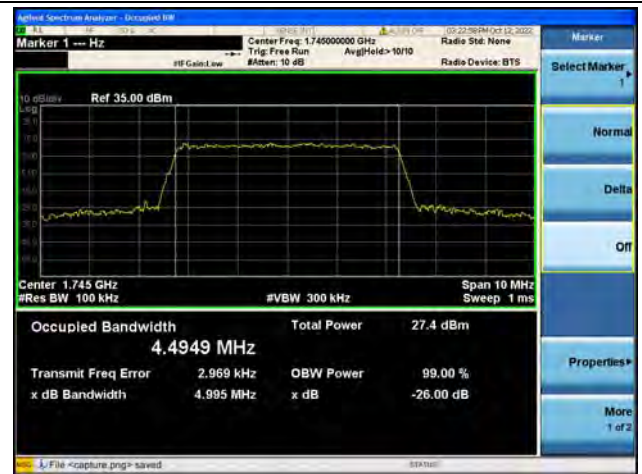
Band66 / 5MHz / QPSK/ Low CH



Band66 / 5MHz / 16QAM/ Low CH



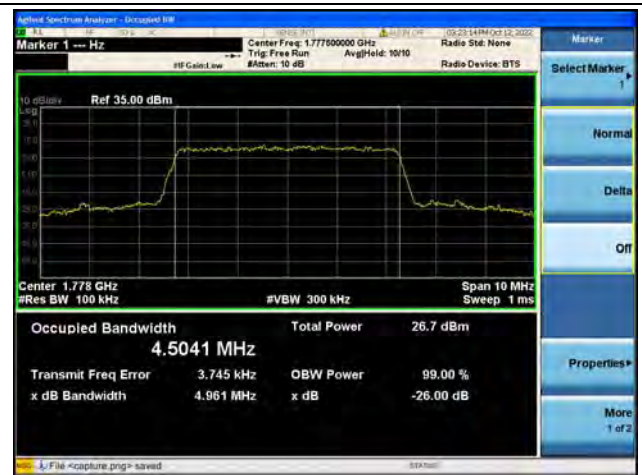
Band66 / 5MHz / QPSK/ Mid CH



Band66 / 5MHz / 16QAM/ Mid CH



Band66 / 5MHz / QPSK/ High CH



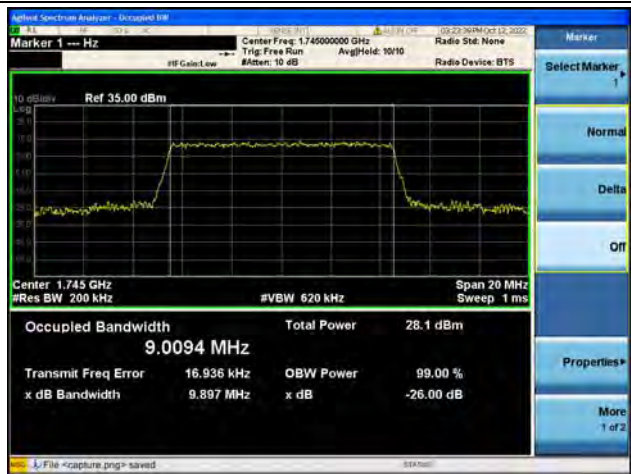
Band66 / 5MHz / 16QAM/ High CH



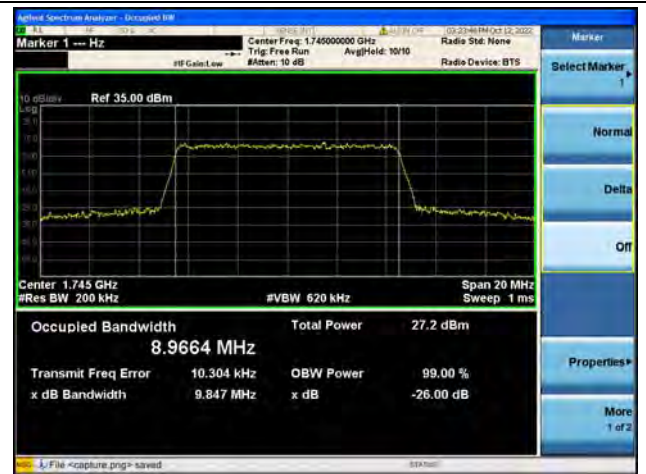
Band66 / 10MHz / QPSK/ Low CH



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



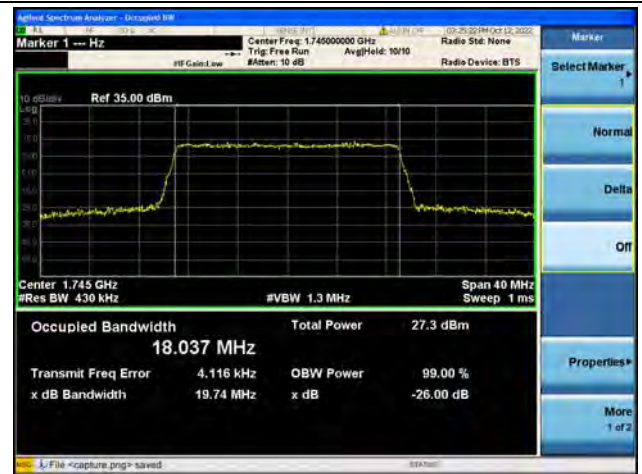
Band66 / 20MHz / QPSK/ Low CH



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

2.3. Frequency Stability

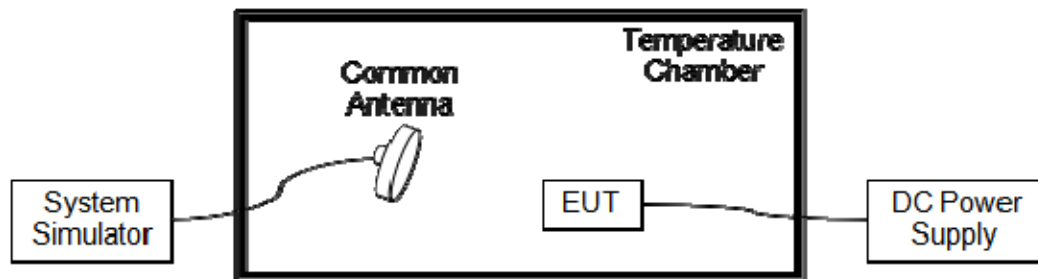
2.3.1. Requirement

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 -10°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 3.50V 4.35V and 3.80V, 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)	40	0.021	PASS
Normal		-10	-39	-0.021	
Normal		0	-41	-0.022	
Normal		+10	37	0.020	
Normal		+20	-28	-0.015	
Normal		+30	-27	-0.014	
Normal		+40	21	0.011	
Normal		+50	-29	-0.015	
Normal		+55	-27	-0.014	
High	4.35	+20	32	0.017	
BATT.ENDPOINT	3.50	+20	23	0.012	

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)	-16	-0.009	PASS
Normal		-10	18	0.010	
Normal		0	48	0.028	
Normal		+10	-27	-0.016	
Normal		+20	50	0.029	
Normal		+30	17	0.010	
Normal		+40	22	0.013	
Normal		+50	46	0.027	
Normal		+55	-24	-0.014	
High	4.35	+20	49	0.028	
BATT.ENDPOINT	3.50	+20	-29	-0.017	



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)	33	0.039	PASS
Normal		-10	-40	-0.048	
Normal		0	55	0.066	
Normal		+10	-33	-0.039	
Normal		+20	48	0.057	
Normal		+30	-49	-0.059	
Normal		+40	-52	-0.062	
Normal		+50	13	0.016	
Normal		+55	20	0.024	
High	4.35	+20	33	0.039	
BATT.ENDPOINT	3.50	+20	25	0.030	

LTE Band 7, QPSK, Channel 21100, Frequency 2535MHz					
Limit= Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-35	-0.014	PASS
Normal		-10	-24	-0.009	
Normal		0	33	0.013	
Normal		+10	-33	-0.013	
Normal		+20	32	0.013	
Normal		+30	15	0.006	
Normal		+40	-16	-0.006	
Normal		+50	25	0.010	
Normal		+55	33	0.013	
High	4.35	+20	-22	-0.009	
BATT.ENDPOINT	3.50	+20	20	0.008	



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)	27	0.038	PASS
Normal		-10	39	0.055	
Normal		0	-28	-0.040	
Normal		+10	-51	-0.072	
Normal		+20	-59	-0.083	
Normal		+30	36	0.051	
Normal		+40	26	0.037	
Normal		+50	-20	-0.028	
Normal		+55	-55	-0.078	
High	4.35	+20	-33	-0.047	
BATT.ENDPOINT	3.50	+20	-57	-0.081	

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)	19	0.027	PASS
Normal		-10	-51	-0.072	
Normal		0	45	0.063	
Normal		+10	-38	-0.054	
Normal		+20	16	0.023	
Normal		+30	23	0.032	
Normal		+40	-31	-0.044	
Normal		+50	-40	-0.056	
Normal		+55	-25	-0.035	
High	4.35	+20	57	0.080	
BATT.ENDPOINT	3.50	+20	19	0.027	



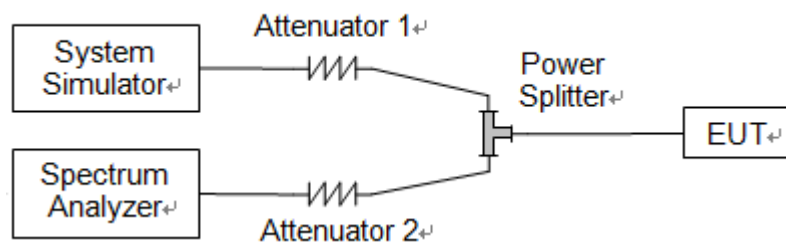
LTE Band 66, QPSK, Channel 132322, Frequency 1745.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	49	0.028	PASS
Normal		-10	-29	-0.017	
Normal		0	-30	-0.017	
Normal		+10	26	0.015	
Normal		+20	55	0.032	
Normal		+30	50	0.029	
Normal		+40	-43	-0.025	
Normal		+50	51	0.029	
Normal		+55	-52	-0.030	
High		4.35	+20	28	
BATT.ENDPOINT	3.50	+20	47	0.027	

2.4. Peak to Average Ratio

2.4.1. Requirement

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

2.4.2. Test Description



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

2.4.3. Test Procedure

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

2.4.4. Test Result

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



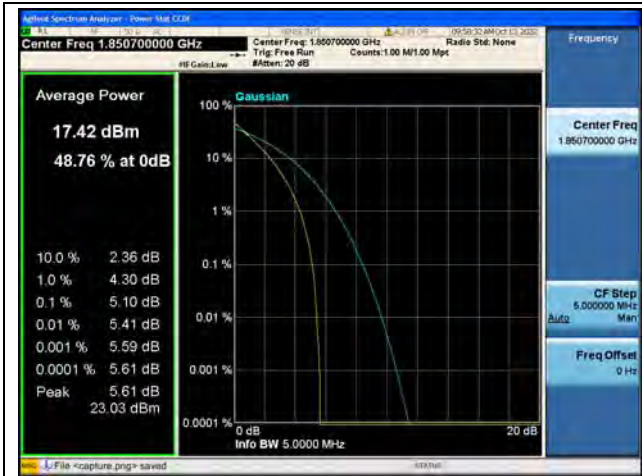
LTE Band 2					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.10	<=13	PASS
	Low	16QAM	5.96	<=13	PASS
	Mid	QPSK	5.09	<=13	PASS
	Mid	16QAM	7.07	<=13	PASS
	High	QPSK	4.39	<=13	PASS
	High	16QAM	5.36	<=13	PASS
3	Low	QPSK	5.15	<=13	PASS
	Low	16QAM	5.94	<=13	PASS
	Mid	QPSK	5.17	<=13	PASS
	Mid	16QAM	5.95	<=13	PASS
	High	QPSK	4.66	<=13	PASS
	High	16QAM	5.41	<=13	PASS
5	Low	QPSK	5.27	<=13	PASS
	Low	16QAM	5.88	<=13	PASS
	Mid	QPSK	5.35	<=13	PASS
	Mid	16QAM	5.93	<=13	PASS
	High	QPSK	4.94	<=13	PASS
	High	16QAM	5.72	<=13	PASS
10	Low	QPSK	5.35	<=13	PASS
	Low	16QAM	5.99	<=13	PASS
	Mid	QPSK	5.45	<=13	PASS
	Mid	16QAM	6.07	<=13	PASS
	High	QPSK	5.10	<=13	PASS
	High	16QAM	5.76	<=13	PASS
15	Low	QPSK	5.08	<=13	PASS
	Low	16QAM	6.49	<=13	PASS
	Mid	QPSK	5.20	<=13	PASS
	Mid	16QAM	5.88	<=13	PASS
	High	QPSK	4.83	<=13	PASS
	High	16QAM	5.56	<=13	PASS
20	Low	QPSK	5.17	<=13	PASS
	Low	16QAM	5.90	<=13	PASS
	Mid	QPSK	5.32	<=13	PASS
	Mid	16QAM	6.04	<=13	PASS
	High	QPSK	5.05	<=13	PASS
	High	16QAM	5.75	<=13	PASS



LTE Band 4					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	4.97	<=13	PASS
	Low	16QAM	5.95	<=13	PASS
	Mid	QPSK	5.53	<=13	PASS
	Mid	16QAM	6.34	<=13	PASS
	High	QPSK	5.45	<=13	PASS
	High	16QAM	6.28	<=13	PASS
3	Low	QPSK	5.10	<=13	PASS
	Low	16QAM	5.85	<=13	PASS
	Mid	QPSK	5.51	<=13	PASS
	Mid	16QAM	6.25	<=13	PASS
	High	QPSK	5.45	<=13	PASS
	High	16QAM	6.20	<=13	PASS
5	Low	QPSK	5.32	<=13	PASS
	Low	16QAM	6.00	<=13	PASS
	Mid	QPSK	5.53	<=13	PASS
	Mid	16QAM	6.45	<=13	PASS
	High	QPSK	5.47	<=13	PASS
	High	16QAM	6.13	<=13	PASS
10	Low	QPSK	5.44	<=13	PASS
	Low	16QAM	6.09	<=13	PASS
	Mid	QPSK	5.52	<=13	PASS
	Mid	16QAM	6.22	<=13	PASS
	High	QPSK	5.55	<=13	PASS
	High	16QAM	6.17	<=13	PASS
15	Low	QPSK	5.34	<=13	PASS
	Low	16QAM	6.00	<=13	PASS
	Mid	QPSK	5.39	<=13	PASS
	Mid	16QAM	6.08	<=13	PASS
	High	QPSK	5.37	<=13	PASS
	High	16QAM	6.07	<=13	PASS
20	Low	QPSK	5.47	<=13	PASS
	Low	16QAM	6.15	<=13	PASS
	Mid	QPSK	5.45	<=13	PASS
	Mid	16QAM	6.13	<=13	PASS
	High	QPSK	5.47	<=13	PASS
	High	16QAM	6.21	<=13	PASS



LTE Band 66					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	4.67	<=13	PASS
	Low	16QAM	5.71	<=13	PASS
	Mid	QPSK	5.24	<=13	PASS
	Mid	16QAM	6.04	<=13	PASS
	High	QPSK	4.43	<=13	PASS
	High	16QAM	5.89	<=13	PASS
3	Low	QPSK	5.22	<=13	PASS
	Low	16QAM	6.09	<=13	PASS
	Mid	QPSK	5.52	<=13	PASS
	Mid	16QAM	6.30	<=13	PASS
	High	QPSK	5.03	<=13	PASS
	High	16QAM	5.84	<=13	PASS
5	Low	QPSK	5.33	<=13	PASS
	Low	16QAM	6.06	<=13	PASS
	Mid	QPSK	5.52	<=13	PASS
	Mid	16QAM	6.17	<=13	PASS
	High	QPSK	5.20	<=13	PASS
	High	16QAM	5.71	<=13	PASS
10	Low	QPSK	5.56	<=13	PASS
	Low	16QAM	6.16	<=13	PASS
	Mid	QPSK	5.55	<=13	PASS
	Mid	16QAM	6.18	<=13	PASS
	High	QPSK	5.38	<=13	PASS
	High	16QAM	6.09	<=13	PASS
15	Low	QPSK	5.41	<=13	PASS
	Low	16QAM	6.42	<=13	PASS
	Mid	QPSK	5.48	<=13	PASS
	Mid	16QAM	6.13	<=13	PASS
	High	QPSK	5.31	<=13	PASS
	High	16QAM	5.99	<=13	PASS
20	Low	QPSK	5.48	<=13	PASS
	Low	16QAM	6.18	<=13	PASS
	Mid	QPSK	5.54	<=13	PASS
	Mid	16QAM	6.22	<=13	PASS
	High	QPSK	5.42	<=13	PASS
	High	16QAM	6.17	<=13	PASS



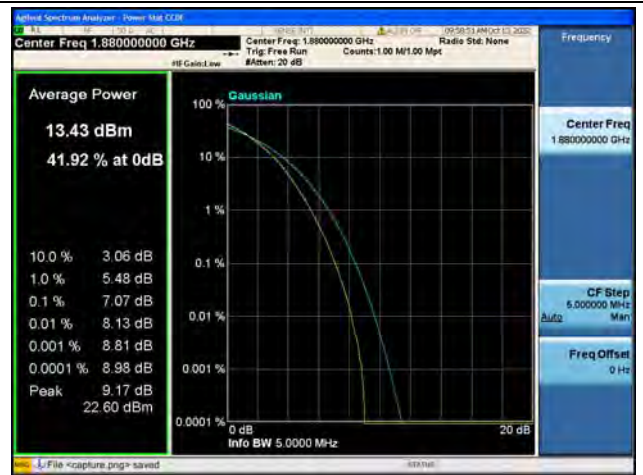
Band2 / 1.4MHz / Low CH / QPSK



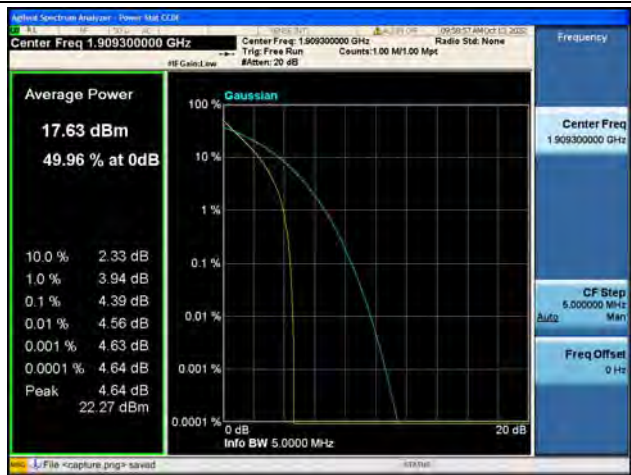
Band2 / 1.4MHz / Low CH / 16QAM



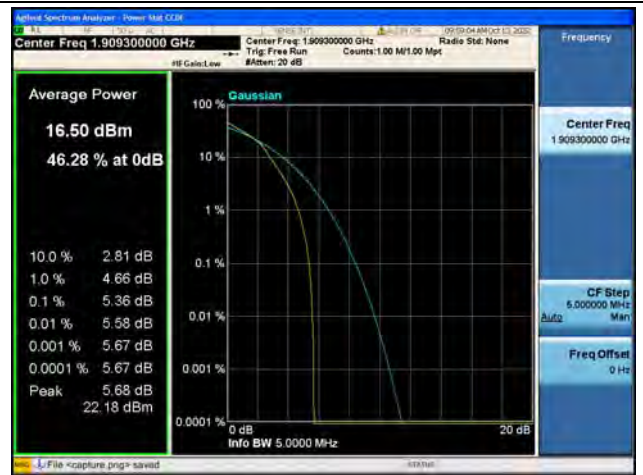
Band2 / 1.4MHz / Mid CH / QPSK



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



Band2 / 3MHz / Mid CH / 16QAM



Band2 / 3MHz / High CH / QPSK



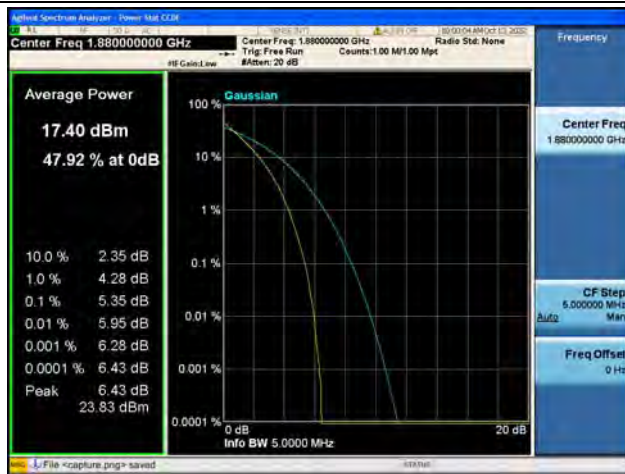
Band2 / 3MHz / High CH / 16QAM



Band2 / 5MHz / Low CH / QPSK



Band2 / 5MHz / Low CH / 16QAM



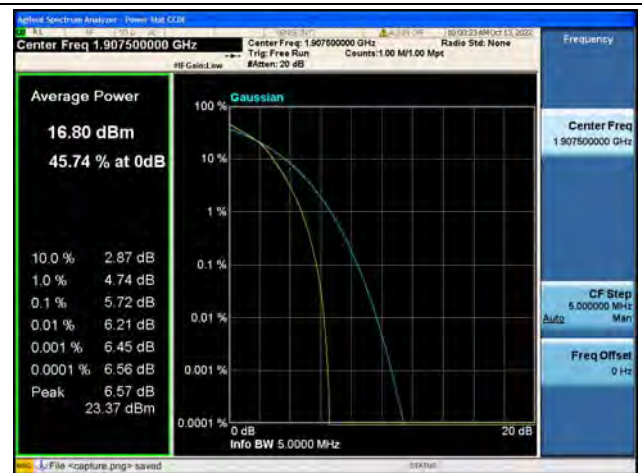
Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM



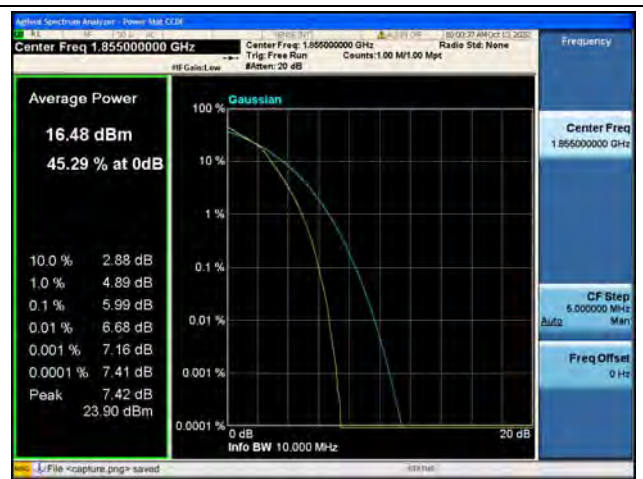
Band2 / 5MHz / High CH / QPSK



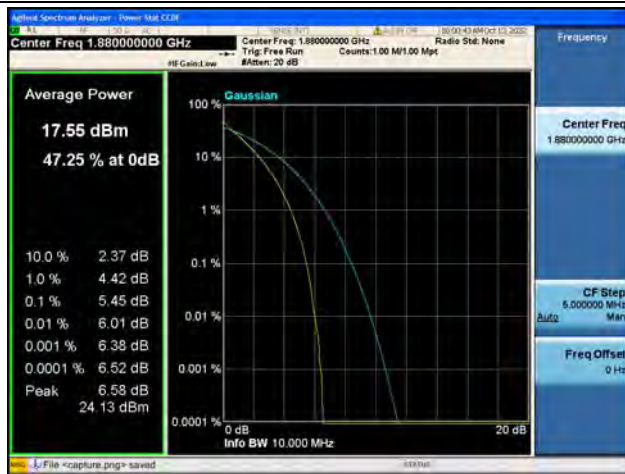
Band2 / 5MHz / High CH / 16QAM



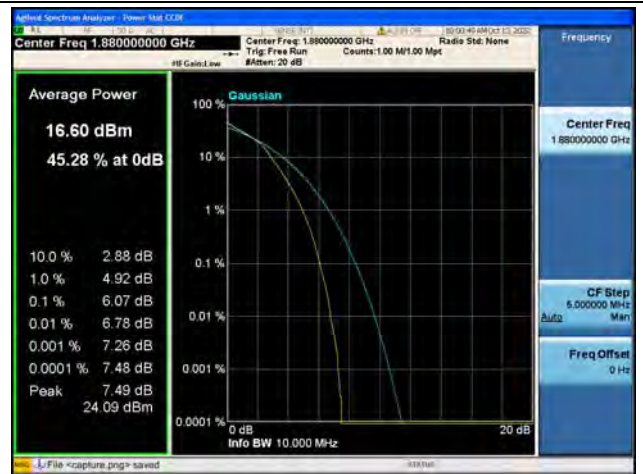
Band2 / 10MHz / Low CH / QPSK



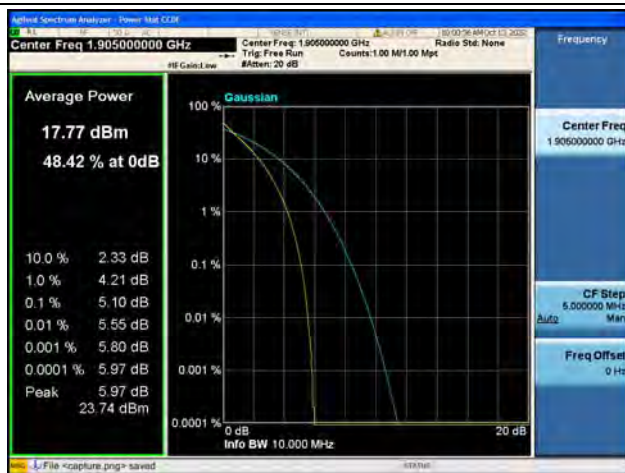
Band2 / 10MHz / Low CH / 16QAM



Band2 / 10MHz / Mid CH / QPSK



Band2 / 10MHz / Mid CH / 16QAM



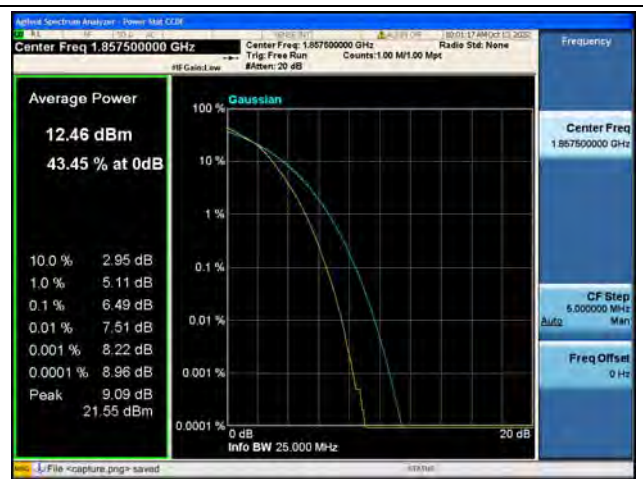
Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM



Band2 / 15MHz / Low CH / QPSK



Band2 / 15MHz / Low CH / 16QAM



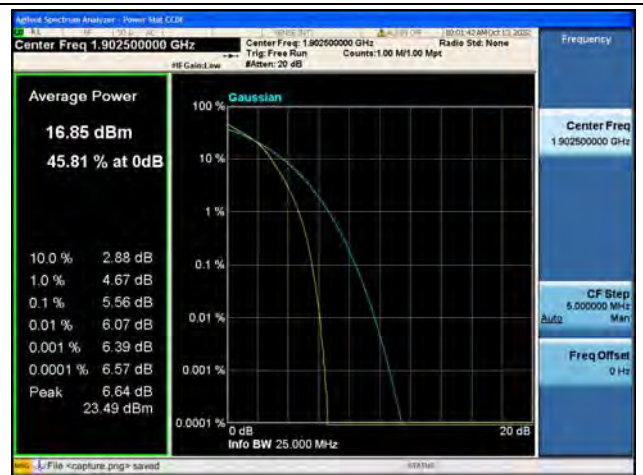
Band2 / 15MHz / Mid CH / QPSK



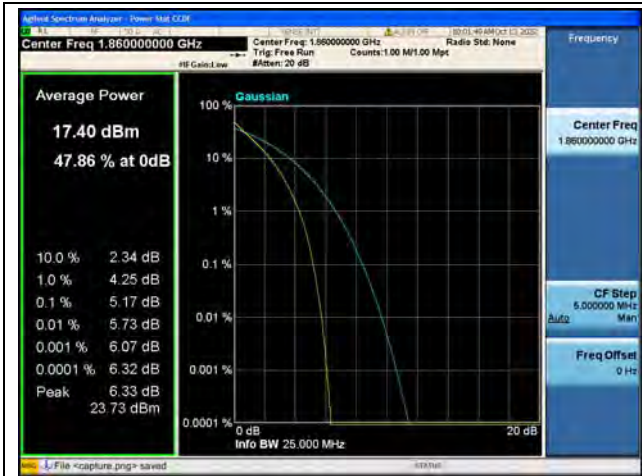
Band2 / 15MHz / Mid CH / 16QAM



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



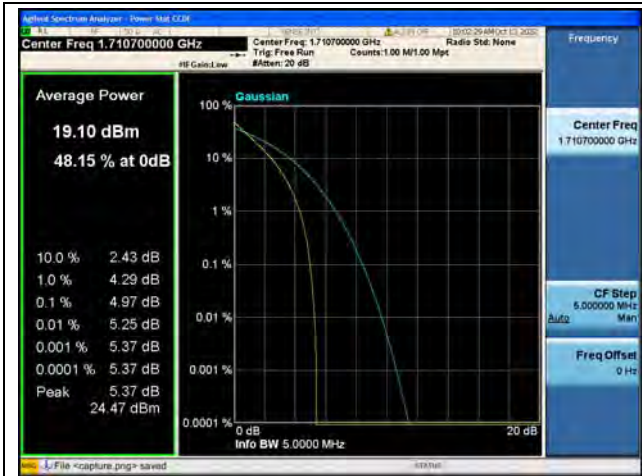
Band2 / 20MHz / Mid CH / 16QAM



Band2 / 20MHz / High CH / QPSK



Band2 / 20MHz / High CH / 16QAM



Band4 / 1.4MHz / Low CH / QPSK



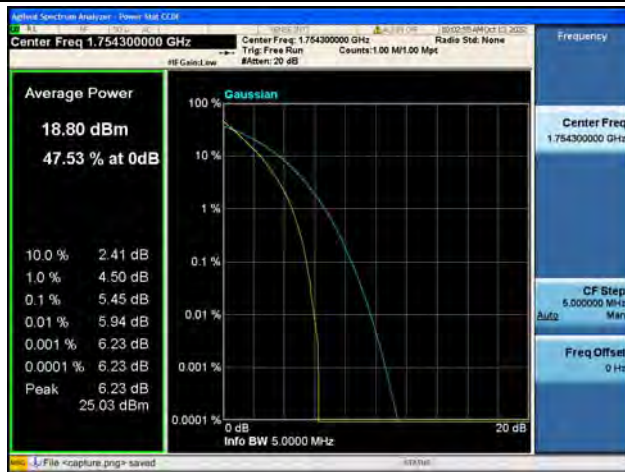
Band4 / 1.4MHz / Low CH / 16QAM



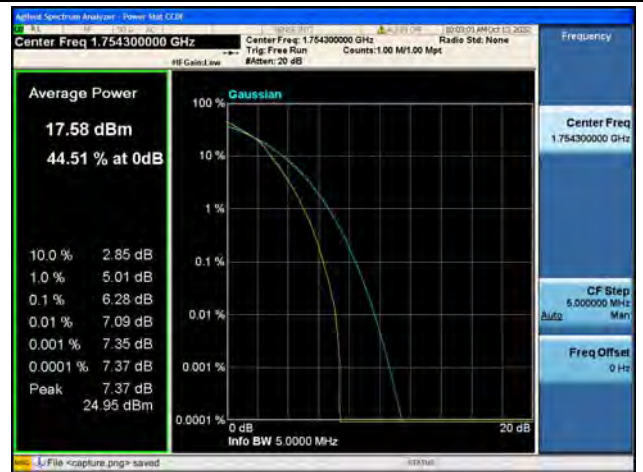
Band4 / 1.4MHz / Mid CH / QPSK



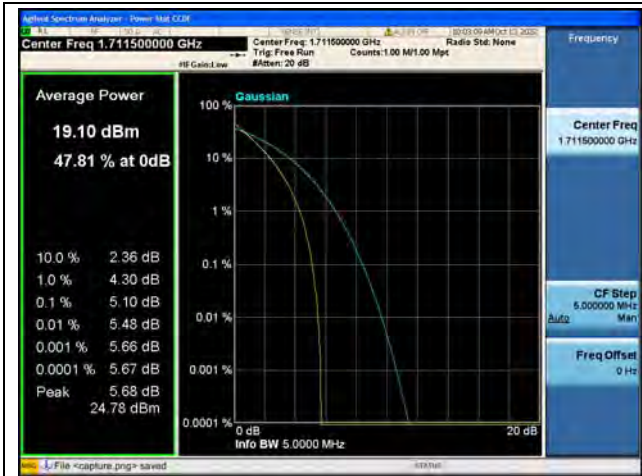
Band4 / 1.4MHz / Mid CH / 16QAM



Band4 / 1.4MHz / High CH / QPSK



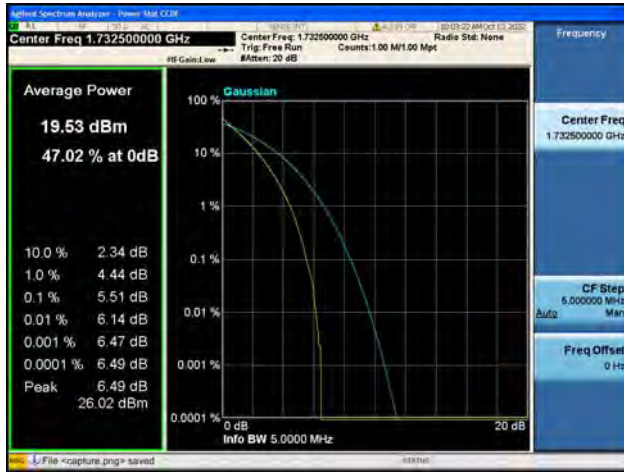
Band4 / 1.4MHz / High CH / 16QAM



Band4 / 3MHz / Low CH / QPSK



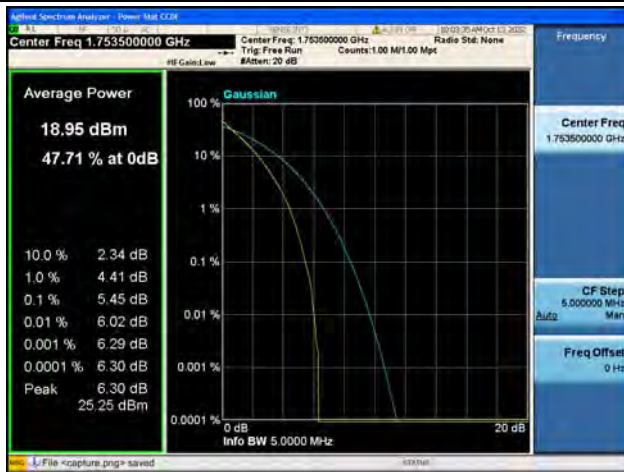
Band4 / 3MHz / Low CH / 16QAM



Band4 / 3MHz / Mid CH / QPSK



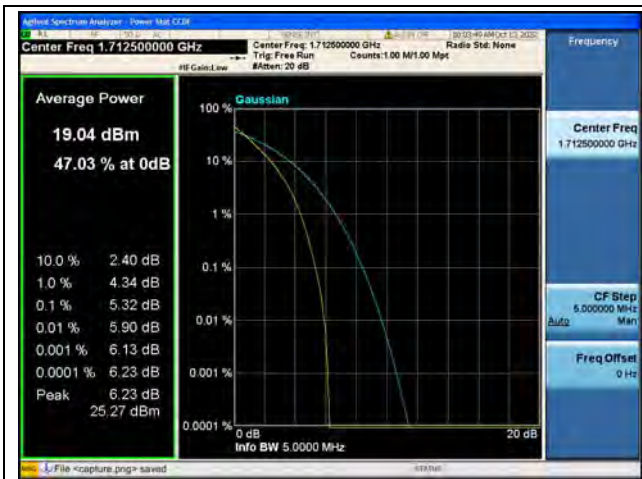
Band4 / 3MHz / Mid CH / 16QAM



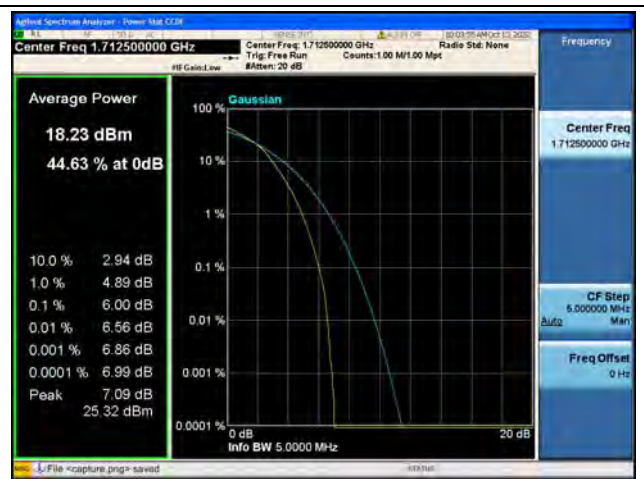
Band4 / 3MHz / High CH / QPSK



Band4 / 3MHz / High CH / 16QAM



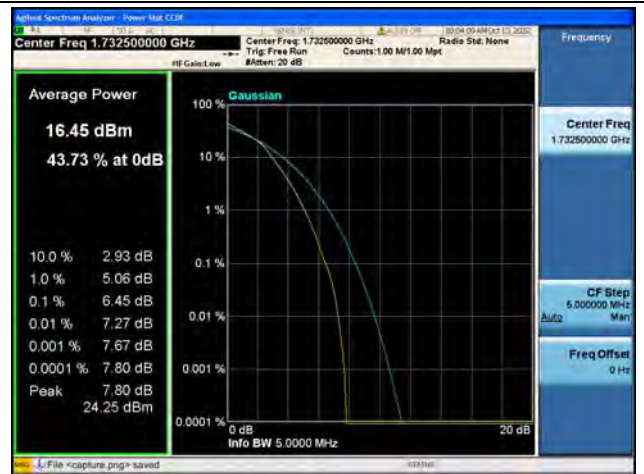
Band4 / 5MHz / Low CH / QPSK



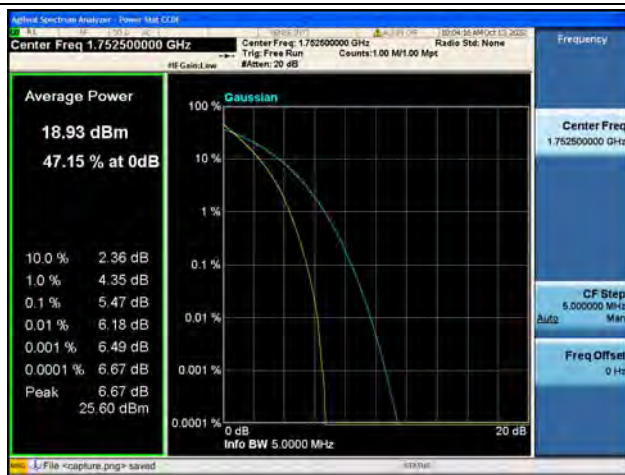
Band4 / 5MHz / Low CH / 16QAM



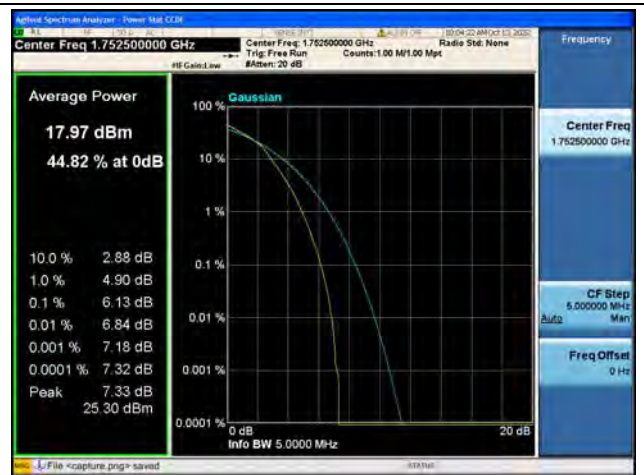
Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM



Band4 / 5MHz / High CH / QPSK



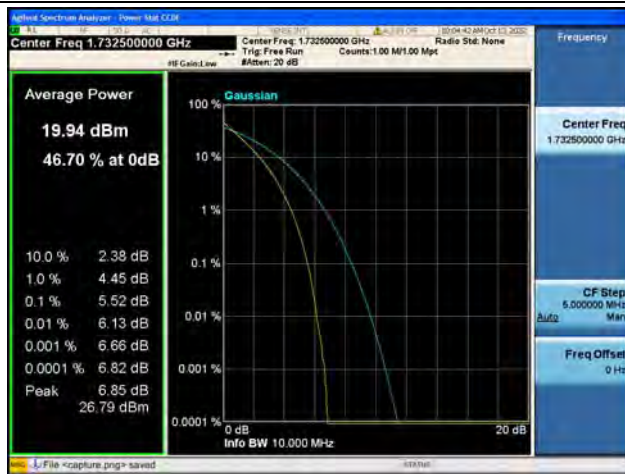
Band4 / 5MHz / High CH / 16QAM



Band4 / 10MHz / Low CH / QPSK



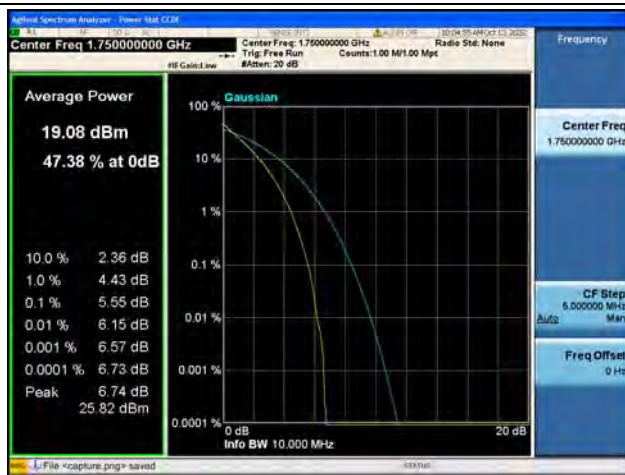
Band4 / 10MHz / Low CH / 16QAM



Band4 / 10MHz / Mid CH / QPSK



Band4 / 10MHz / Mid CH / 16QAM



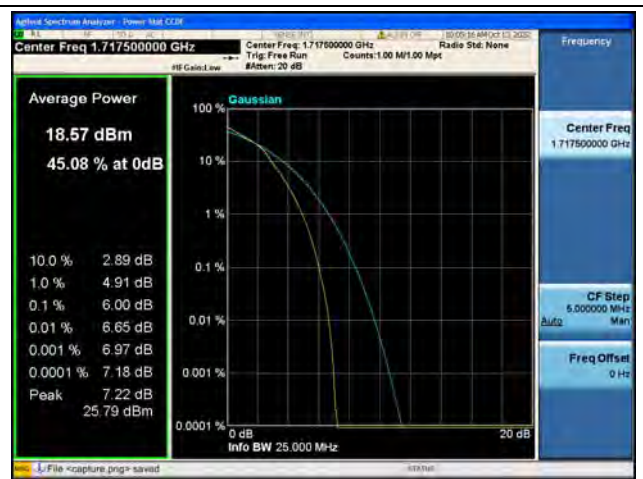
Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM



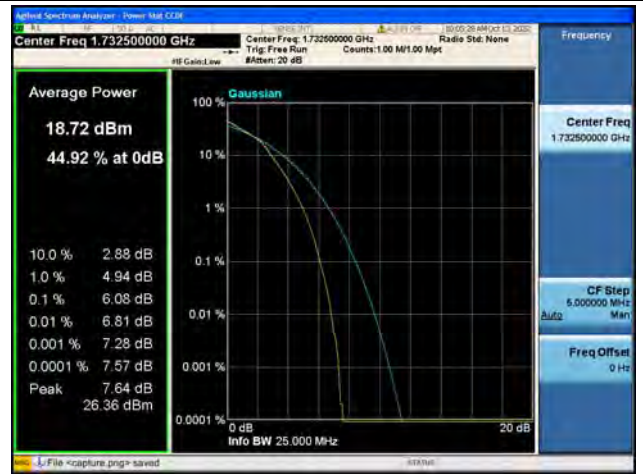
Band4 / 15MHz / Low CH / QPSK



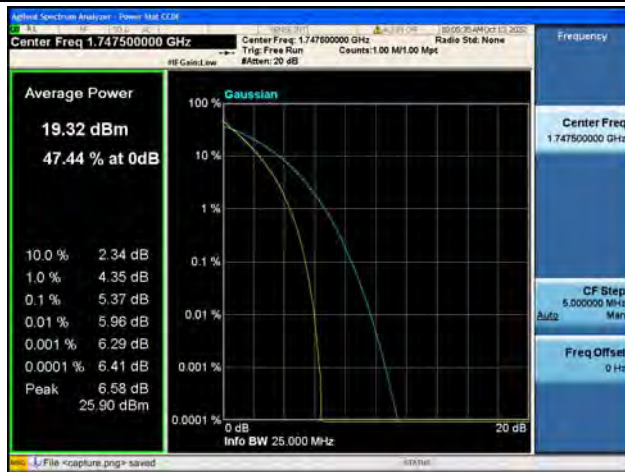
Band4 / 15MHz / Low CH / 16QAM



Band4 / 15MHz / Mid CH / QPSK



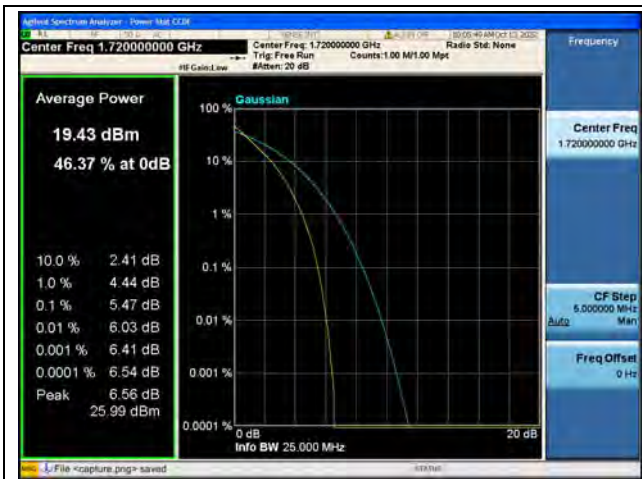
Band4 / 15MHz / Mid CH / 16QAM



Band4 / 15MHz / High CH / QPSK



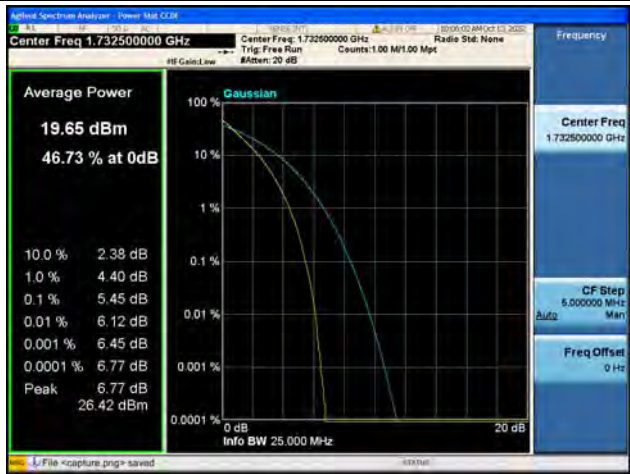
Band4 / 15MHz / High CH / 16QAM



Band4 / 20MHz / Low CH / QPSK



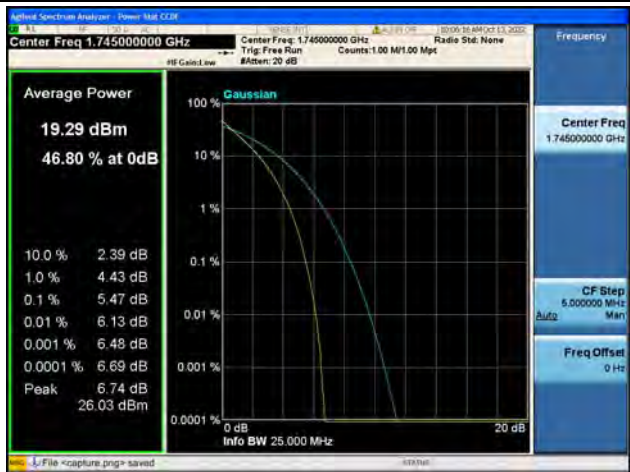
Band4 / 20MHz / Low CH / 16QAM



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



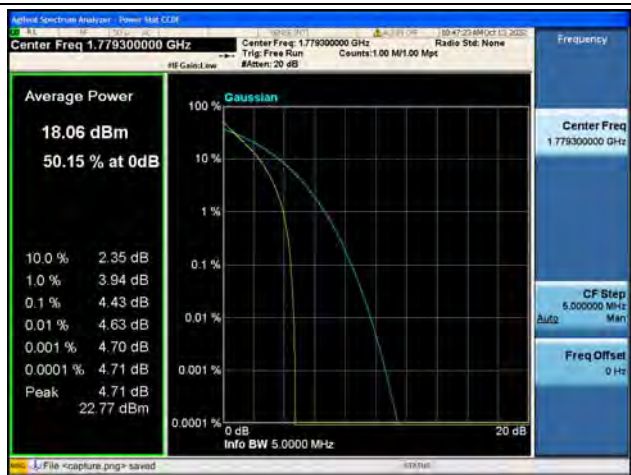
Band66 / 1.4MHz / Low CH / 16QAM



Band66 / 1.4MHz / Mid CH / QPSK



Band66 / 1.4MHz / Mid CH / 16QAM



Band66 / 1.4MHz / High CH / QPSK



Band66 / 1.4MHz / High CH / 16QAM