



TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Smart Phone

MODEL NAME : K2

BRAND NAME : BLU

FCC ID : YHLBLU2KW

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

RECEIPT DATE : 2025-07-22

TEST DATE : 2025-08-04 to 2025-08-28

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Edited by:

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Change History		
Version	Date	Reason for change
1.0	2025-09-01	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	BLU Products, Inc.
Applicant Address:	8600 NW 36th Street, Suite #300 Miami, FL 33166 USA
Manufacturer:	BLU Products, Inc.
Manufacturer Address:	8600 NW 36th Street, Suite #300 Miami, FL 33166 USA

1.2. Equipment Under Test (EUT) Description

Product Name:	Smart Phone	
Sample No.:	1#, 7#	
Hardware Version:	9583-MB-V0.1	
Software Version:	BLU_C0290_V15.0.G.01.00_GENERIC 22-07-2025 11:27	
Modulation Type:	QPSK, 16QAM	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 17 / 66 / 71	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 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
LTE Band 71	Tx: 663MHz–698MHz	
	Rx: 617MHz–652MHz	
Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz



	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5MHz, 10MHz
	LTE Band 17	5MHz, 10MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	-0.62dBi
	LTE Band 4	-0.74dBi
	LTE Band 5	-2.29dBi
	LTE Band 7	-0.71dBi
	LTE Band 12	-3.01dBi
	LTE Band 17	-2.97dBi
	LTE Band 66	-0.64dBi
	LTE Band 71	-3.36dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C106550500P
	Serial No.:	N/A
	Capacity:	5000mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	SHENZHEN AEROSPACE ELECTRONIC CO., LTD
	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-WS-2000
	Serial No.:	N/A
	Rated Output:	5.0V \pm 2000mA
	Rated Input:	100-240V \sim 50/60Hz, 0.3A
	Manufacturer:	Huizhou Wanzhisheng New Energy Technology Co., Ltd.
	USB Cable	
	Model No.:	3.E-1501-000324-006
	Manufacturer:	Dongguan Keling Electronic Technology Co., Ltd.

Note 1: SIM 1 and SIM 2 is a chipset unit and tested as a single chipset. The SIM 1 is chosen for



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test.

Note 2: The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. 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		0.179	0.146	17M9G7D	18M0W7D
15		0.170	0.143	13M5G7D	13M5W7D
10		0.169	0.143	8M99G7D	8M96W7D
5		0.171	0.145	4M49G7D	4M49W7D
3		0.168	0.146	2M72G7D	2M71W7D
1.4		0.175	0.145	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		0.177	0.143	17M9G7D	18M0W7D
15		0.169	0.141	13M5G7D	13M5W7D
10		0.168	0.141	8M99G7D	8M96W7D
5		0.168	0.142	4M48G7D	4M49W7D
3		0.169	0.142	2M72G7D	2M72W7D
1.4		0.172	0.142	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		0.077	0.064	8M99G7D	8M96W7D
5		0.074	0.063	4M49G7D	4M49W7D
3		0.074	0.064	2M72G7D	2M71W7D
1.4		0.073	0.064	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		0.177	0.146	18M0G7D	18M0W7D
15		0.173	0.144	13M5G7D	13M5W7D
10		0.170	0.146	9M01G7D	8M97W7D
5		0.173	0.146	4M49G7D	4M49W7D
LTE Band 12		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)		QPSK	16QAM	QPSK	16QAM
10		0.065	0.054	9M00G7D	8M98W7D
5		0.064	0.053	4M49G7D	4M49W7D
3		0.064	0.054	2M72G7D	2M72W7D
1.4		0.066	0.053	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		0.066	0.054	8M97G7D	8M94W7D
5		0.066	0.054	4M50G7D	4M49W7D
LTE Band 66		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)		QPSK	16QAM	QPSK	16QAM
20		0.186	0.158	18M0G7D	18M0W7D
15		0.184	0.158	13M5G7D	13M5W7D
10		0.184	0.156	8M99G7D	8M97W7D
5		0.184	0.157	4M49G7D	4M49W7D
3		0.182	0.156	2M72G7D	2M72W7D
1.4		0.185	0.156	1M10G7D	1M10W7D
LTE Band 71		Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)		QPSK	16QAM	QPSK	16QAM
20		0.060	0.052	17M9G7D	18M0W7D
15		0.061	0.052	13M5G7D	13M5W7D
10		0.061	0.052	9M00G7D	8M96W7D
5		0.060	0.052	4M49G7D	4M50W7D



1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24 and 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	Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Aug. 28, 2025	Chen Hao Liu Huiyan	PASS ^{Note3}	/
2.1049	Occupied Bandwidth	Aug. 08&11, 2025	Liu Huiyan	PASS	/
2.1055 22.355 24.235 27.54	Frequency Stability	Aug. 28, 2025	Liu Huiyan	PASS	/
24.232(d), 27.50(d)(5)	Peak to Average Radio	Aug. 08&11, 2025	Liu Huiyan	PASS	/
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Aug. 08&11, 2025	Liu Huiyan	PASS	/
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(g)	Band Edge	Aug. 08&11, 2025	Liu Huiyan	PASS	/



27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Aug. 04&05, 2025	Gao Jianrou	PASS	/

Note 1: The tests were performed according to the method of measurements prescribed in KDB 971168 D01 v03 and ANSI/TIA-603-E-2016.

Note 2: Any additions, deviation, or exclusions from the method shall be noted in the "Remark".

Note 3: The antenna gain presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information.

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&N Requirements

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

2.1.1. Requirement

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

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

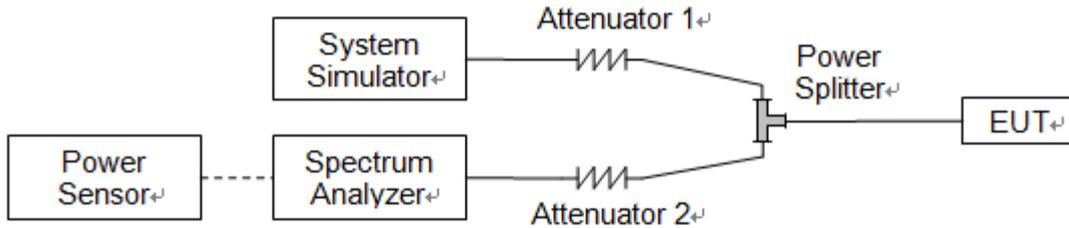
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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

According to FCC section 27.50 (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 12/17/71, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

2.1.2. Test Description



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

2.1.3. Test Procedure

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

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

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

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

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.11	23.16	23.13
20	QPSK	1	49	22.84	22.94	22.85
20	QPSK	1	99	22.87	22.77	22.90
20	QPSK	50	0	22.23	22.35	22.25
20	QPSK	50	24	22.12	22.12	22.19
20	QPSK	50	50	22.21	22.22	22.15
20	QPSK	100	0	22.20	22.27	22.41
20	16QAM	1	0	22.10	22.27	22.14
20	16QAM	1	49	22.12	22.17	22.11
20	16QAM	1	99	22.11	22.16	22.09
20	16QAM	50	0	21.24	21.17	21.28
20	16QAM	50	24	21.04	21.14	21.12
20	16QAM	50	50	21.15	21.20	21.17
20	16QAM	100	0	21.06	21.16	21.06



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.92	22.77	22.93
15	QPSK	1	37	22.68	22.67	22.80
15	QPSK	1	74	22.81	22.72	22.79
15	QPSK	36	0	22.13	22.12	22.12
15	QPSK	36	20	22.01	22.09	22.10
15	QPSK	36	39	22.09	22.17	22.13
15	QPSK	75	0	22.17	22.12	22.05
15	16QAM	1	0	22.07	22.16	22.09
15	16QAM	1	37	22.10	22.14	22.09
15	16QAM	1	74	22.05	22.12	22.06
15	16QAM	36	0	21.23	21.14	21.17
15	16QAM	36	20	20.96	21.08	21.05
15	16QAM	36	39	21.06	21.19	21.09
15	16QAM	75	0	21.03	21.10	20.96



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.82	22.84	22.90
10	QPSK	1	25	22.67	22.67	22.73
10	QPSK	1	49	22.81	22.66	22.89
10	QPSK	25	0	22.23	22.07	22.13
10	QPSK	25	12	22.07	22.07	22.14
10	QPSK	25	25	22.14	22.17	22.12
10	QPSK	50	0	22.15	22.11	22.00
10	16QAM	1	0	22.00	22.17	22.10
10	16QAM	1	25	22.03	22.15	22.04
10	16QAM	1	49	21.99	22.04	22.03
10	16QAM	25	0	21.23	21.07	21.21
10	16QAM	25	12	20.97	21.12	21.07
10	16QAM	25	25	21.12	21.10	21.10
10	16QAM	50	0	20.97	21.06	20.97



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.90	22.76	22.95
5	QPSK	1	12	22.74	22.74	22.81
5	QPSK	1	24	22.77	22.71	22.85
5	QPSK	12	0	22.14	22.13	22.12
5	QPSK	12	7	22.09	22.06	22.17
5	QPSK	12	13	22.11	22.13	22.06
5	QPSK	25	0	22.16	22.07	22.09
5	16QAM	1	0	22.02	22.24	22.08
5	16QAM	1	12	22.11	22.13	22.00
5	16QAM	1	24	21.99	22.14	21.98
5	16QAM	12	0	21.13	21.11	21.27
5	16QAM	12	7	21.00	21.08	21.10
5	16QAM	12	13	21.03	21.19	21.16
5	16QAM	25	0	21.05	21.06	21.04



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.87	22.78	22.87
3	QPSK	1	8	22.65	22.69	22.78
3	QPSK	1	14	22.83	22.76	22.78
3	QPSK	8	0	22.14	22.12	22.08
3	QPSK	8	4	22.00	22.10	22.07
3	QPSK	8	7	22.15	22.13	22.13
3	QPSK	15	0	22.13	22.03	21.99
3	16QAM	1	0	22.00	22.26	22.03
3	16QAM	1	8	22.00	22.10	22.02
3	16QAM	1	14	22.06	22.10	22.01
3	16QAM	8	0	21.20	21.10	21.23
3	16QAM	8	4	21.01	21.08	21.04
3	16QAM	8	7	21.08	21.10	21.11
3	16QAM	15	0	20.94	21.15	20.99



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	23.02	22.91	23.04
1.4	QPSK	1	3	22.80	22.93	23.00
1.4	QPSK	1	5	22.91	22.87	22.95
1.4	QPSK	3	0	23.01	22.89	22.95
1.4	QPSK	3	1	22.91	22.89	22.96
1.4	QPSK	3	3	23.01	22.93	22.87
1.4	QPSK	6	0	22.17	22.06	22.03
1.4	16QAM	1	0	22.08	22.24	22.11
1.4	16QAM	1	3	22.05	22.16	22.06
1.4	16QAM	1	5	22.05	22.11	22.08
1.4	16QAM	3	0	22.19	22.08	22.20
1.4	16QAM	3	1	22.01	22.03	22.07
1.4	16QAM	3	3	22.03	22.08	22.14
1.4	16QAM	6	0	21.03	21.07	20.98



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	23.15	23.21	23.13
20	QPSK	1	49	23.02	22.99	22.96
20	QPSK	1	99	23.00	22.91	22.89
20	QPSK	50	0	22.32	22.33	22.30
20	QPSK	50	24	22.29	22.25	22.27
20	QPSK	50	50	22.28	22.19	22.21
20	QPSK	100	0	22.27	22.33	22.27
20	16QAM	1	0	22.20	22.20	22.22
20	16QAM	1	49	22.29	22.26	22.25
20	16QAM	1	99	22.11	22.23	22.24
20	16QAM	50	0	21.32	21.17	21.18
20	16QAM	50	24	21.22	21.21	21.11
20	16QAM	50	50	21.17	21.15	21.16
20	16QAM	100	0	21.16	21.25	21.15



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	23.01	23.00	22.98
15	QPSK	1	37	22.94	22.95	22.92
15	QPSK	1	74	22.95	22.85	22.79
15	QPSK	36	0	22.33	22.09	22.20
15	QPSK	36	20	22.24	22.17	22.25
15	QPSK	36	39	22.18	22.13	22.20
15	QPSK	75	0	22.18	22.18	22.23
15	16QAM	1	0	22.15	22.09	22.10
15	16QAM	1	37	22.24	22.14	22.18
15	16QAM	1	74	22.06	22.20	22.13
15	16QAM	36	0	21.26	21.16	21.11
15	16QAM	36	20	21.12	21.10	21.10
15	16QAM	36	39	21.09	21.11	21.12
15	16QAM	75	0	21.10	21.23	21.13



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	23.00	22.98	22.98
10	QPSK	1	25	22.98	22.90	22.87
10	QPSK	1	49	22.98	22.81	22.86
10	QPSK	25	0	22.32	22.10	22.11
10	QPSK	25	12	22.26	22.15	22.19
10	QPSK	25	25	22.19	22.15	22.16
10	QPSK	50	0	22.19	22.23	22.25
10	16QAM	1	0	22.10	22.09	22.21
10	16QAM	1	25	22.17	22.23	22.14
10	16QAM	1	49	22.10	22.14	22.14
10	16QAM	25	0	21.26	21.15	21.12
10	16QAM	25	12	21.10	21.16	21.03
10	16QAM	25	25	21.13	21.12	21.04
10	16QAM	50	0	21.13	21.17	21.06



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.97	23.00	22.97
5	QPSK	1	12	22.91	22.87	22.88
5	QPSK	1	24	22.93	22.82	22.83
5	QPSK	12	0	22.32	22.08	22.18
5	QPSK	12	7	22.25	22.19	22.17
5	QPSK	12	13	22.24	22.09	22.13
5	QPSK	25	0	22.26	22.14	22.16
5	16QAM	1	0	22.09	22.12	22.13
5	16QAM	1	12	22.23	22.25	22.23
5	16QAM	1	24	22.05	22.12	22.17
5	16QAM	12	0	21.30	21.06	21.06
5	16QAM	12	7	21.12	21.16	20.99
5	16QAM	12	13	21.09	21.05	21.10
5	16QAM	25	0	21.12	21.15	21.04



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	23.00	23.01	22.89
3	QPSK	1	8	22.90	22.92	22.90
3	QPSK	1	14	22.94	22.89	22.87
3	QPSK	8	0	22.27	22.11	22.11
3	QPSK	8	4	22.18	22.20	22.21
3	QPSK	8	7	22.20	22.07	22.14
3	QPSK	15	0	22.20	22.14	22.26
3	16QAM	1	0	22.16	22.16	22.21
3	16QAM	1	8	22.27	22.20	22.20
3	16QAM	1	14	22.03	22.19	22.21
3	16QAM	8	0	21.21	21.15	21.13
3	16QAM	8	4	21.16	21.19	21.00
3	16QAM	8	7	21.05	21.03	21.15
3	16QAM	15	0	21.07	21.19	21.06



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	23.03	22.96	22.92
1.4	QPSK	1	3	22.92	22.95	22.91
1.4	QPSK	1	5	22.91	22.81	22.88
1.4	QPSK	3	0	23.10	22.95	23.05
1.4	QPSK	3	1	23.06	23.04	23.00
1.4	QPSK	3	3	23.03	22.94	23.01
1.4	QPSK	6	0	22.23	22.15	22.16
1.4	16QAM	1	0	22.08	22.17	22.11
1.4	16QAM	1	3	22.25	22.20	22.14
1.4	16QAM	1	5	21.99	22.16	22.23
1.4	16QAM	3	0	22.20	22.08	22.16
1.4	16QAM	3	1	22.19	22.20	22.04
1.4	16QAM	3	3	22.14	22.08	22.09
1.4	16QAM	6	0	21.04	21.15	21.05



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	23.24	23.28	23.26
10	QPSK	1	25	23.15	23.03	22.93
10	QPSK	1	49	23.07	23.07	22.95
10	QPSK	25	0	22.29	22.37	22.30
10	QPSK	25	12	22.27	22.15	22.15
10	QPSK	25	25	22.23	22.17	22.27
10	QPSK	50	0	22.36	22.39	22.33
10	16QAM	1	0	22.28	22.53	22.39
10	16QAM	1	25	22.26	22.36	22.39
10	16QAM	1	49	22.38	22.35	22.31
10	16QAM	25	0	21.33	21.28	21.07
10	16QAM	25	12	21.28	21.19	21.17
10	16QAM	25	25	21.21	21.20	21.18
10	16QAM	50	0	21.25	21.21	21.20



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	23.04	23.15	22.95
5	QPSK	1	12	23.13	22.98	22.81
5	QPSK	1	24	22.97	23.05	22.84
5	QPSK	12	0	22.08	22.12	21.96
5	QPSK	12	7	22.24	22.03	22.10
5	QPSK	12	13	22.16	22.06	21.99
5	QPSK	25	0	22.28	22.04	22.07
5	16QAM	1	0	22.22	22.45	22.29
5	16QAM	1	12	22.18	22.25	22.29
5	16QAM	1	24	22.34	22.24	22.27
5	16QAM	12	0	21.24	21.23	21.02
5	16QAM	12	7	21.27	21.07	21.12
5	16QAM	12	13	21.11	21.09	21.17
5	16QAM	25	0	21.22	21.11	21.15



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	23.09	23.14	22.97
3	QPSK	1	8	23.13	22.91	22.92
3	QPSK	1	14	22.97	23.00	22.83
3	QPSK	8	0	22.08	22.16	21.96
3	QPSK	8	4	22.25	22.03	22.11
3	QPSK	8	7	22.13	22.14	22.01
3	QPSK	15	0	22.27	22.03	22.10
3	16QAM	1	0	22.26	22.50	22.31
3	16QAM	1	8	22.25	22.32	22.35
3	16QAM	1	14	22.31	22.28	22.20
3	16QAM	8	0	21.27	21.17	20.96
3	16QAM	8	4	21.19	21.09	21.05
3	16QAM	8	7	21.12	21.14	21.16
3	16QAM	15	0	21.14	21.19	21.17



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	23.08	23.08	23.01
1.4	QPSK	1	3	23.05	22.95	22.82
1.4	QPSK	1	5	23.06	23.00	22.94
1.4	QPSK	3	0	22.31	22.36	22.25
1.4	QPSK	3	1	22.43	22.31	22.27
1.4	QPSK	3	3	22.32	22.26	22.25
1.4	QPSK	6	0	22.28	22.02	22.01
1.4	16QAM	1	0	22.18	22.52	22.27
1.4	16QAM	1	3	22.22	22.26	22.35
1.4	16QAM	1	5	22.26	22.30	22.23
1.4	16QAM	3	0	22.28	22.23	22.06
1.4	16QAM	3	1	22.17	22.08	22.05
1.4	16QAM	3	3	22.19	22.13	22.16
1.4	16QAM	6	0	21.17	21.15	21.08



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	23.13	23.18	23.15
20	QPSK	1	49	22.95	22.95	22.84
20	QPSK	1	99	22.97	23.02	22.75
20	QPSK	50	0	22.20	22.25	22.21
20	QPSK	50	24	22.15	22.16	22.06
20	QPSK	50	50	22.13	22.07	22.07
20	QPSK	100	0	22.15	22.20	22.16
20	16QAM	1	0	22.36	22.07	22.16
20	16QAM	1	49	22.29	22.17	22.28
20	16QAM	1	99	22.30	22.18	22.26
20	16QAM	50	0	21.14	21.07	21.09
20	16QAM	50	24	21.22	21.15	21.09
20	16QAM	50	50	21.11	21.06	21.17
20	16QAM	100	0	21.09	21.14	21.13



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	23.09	23.04	22.75
15	QPSK	1	37	22.93	22.92	22.75
15	QPSK	1	74	22.93	23.00	22.66
15	QPSK	36	0	22.06	22.10	22.05
15	QPSK	36	20	22.06	22.15	22.06
15	QPSK	36	39	22.11	22.06	22.06
15	QPSK	75	0	22.13	22.09	22.10
15	16QAM	1	0	22.30	22.05	22.09
15	16QAM	1	37	22.23	22.14	22.17
15	16QAM	1	74	22.24	22.17	22.23
15	16QAM	36	0	21.06	21.15	21.09
15	16QAM	36	20	21.19	21.06	21.08
15	16QAM	36	39	21.13	21.15	21.15
15	16QAM	75	0	21.10	21.13	21.10





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	23.02	22.99	22.67
10	QPSK	1	25	22.93	22.85	22.79
10	QPSK	1	49	22.91	22.94	22.67
10	QPSK	25	0	22.06	22.07	22.09
10	QPSK	25	12	22.06	22.15	22.10
10	QPSK	25	25	22.11	22.13	22.14
10	QPSK	50	0	22.05	22.06	22.06
10	16QAM	1	0	22.35	22.15	22.15
10	16QAM	1	25	22.24	22.16	22.24
10	16QAM	1	49	22.22	22.07	22.16
10	16QAM	25	0	21.14	21.14	21.10
10	16QAM	25	12	21.17	21.06	21.10
10	16QAM	25	25	21.07	21.10	21.07
10	16QAM	50	0	21.08	21.13	21.09



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	23.08	22.96	22.70
5	QPSK	1	12	22.91	22.88	22.79
5	QPSK	1	24	22.91	23.00	22.69
5	QPSK	12	0	22.10	22.07	22.05
5	QPSK	12	7	22.06	22.12	22.05
5	QPSK	12	13	22.15	22.05	22.08
5	QPSK	25	0	22.06	22.08	22.08
5	16QAM	1	0	22.35	22.09	22.11
5	16QAM	1	12	22.17	22.13	22.26
5	16QAM	1	24	22.29	22.17	22.24
5	16QAM	12	0	21.06	21.07	21.13
5	16QAM	12	7	21.14	21.25	21.14
5	16QAM	12	13	21.06	21.06	21.10
5	16QAM	25	0	21.06	21.08	21.15



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	23.25	23.30	23.28
10	QPSK	1	25	23.21	23.26	23.29
10	QPSK	1	49	23.14	23.08	23.15
10	QPSK	25	0	22.27	22.37	22.24
10	QPSK	25	12	22.34	22.24	22.36
10	QPSK	25	25	22.23	22.26	22.26
10	QPSK	50	0	22.22	22.33	22.29
10	16QAM	1	0	22.41	22.47	22.37
10	16QAM	1	25	22.21	22.27	22.23
10	16QAM	1	49	22.29	22.31	22.30
10	16QAM	25	0	21.22	21.35	21.29
10	16QAM	25	12	21.27	21.32	21.32
10	16QAM	25	25	21.40	21.41	21.40
10	16QAM	50	0	21.29	21.30	21.29



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	23.14	23.23	23.21
5	QPSK	1	12	23.13	23.22	23.21
5	QPSK	1	24	23.10	23.07	23.11
5	QPSK	12	0	22.21	22.30	22.15
5	QPSK	12	7	22.28	22.23	22.29
5	QPSK	12	13	22.15	22.16	22.21
5	QPSK	25	0	22.17	22.13	22.24
5	16QAM	1	0	22.35	22.37	22.32
5	16QAM	1	12	22.20	22.17	22.20
5	16QAM	1	24	22.18	22.21	22.21
5	16QAM	12	0	21.18	21.25	21.19
5	16QAM	12	7	21.26	21.23	21.27
5	16QAM	12	13	21.28	21.29	21.35
5	16QAM	25	0	21.25	21.20	21.21



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	23.16	23.24	23.23
3	QPSK	1	8	23.18	23.18	23.18
3	QPSK	1	14	23.06	23.00	23.03
3	QPSK	8	0	22.25	22.24	22.23
3	QPSK	8	4	22.24	22.19	22.28
3	QPSK	8	7	22.16	22.22	22.21
3	QPSK	15	0	22.18	22.14	22.27
3	16QAM	1	0	22.29	22.46	22.35
3	16QAM	1	8	22.12	22.22	22.14
3	16QAM	1	14	22.25	22.27	22.18
3	16QAM	8	0	21.15	21.26	21.21
3	16QAM	8	4	21.16	21.28	21.27
3	16QAM	8	7	21.35	21.38	21.32
3	16QAM	15	0	21.19	21.20	21.23



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	23.20	23.28	23.26
1.4	QPSK	1	3	23.15	23.24	23.22
1.4	QPSK	1	5	23.08	23.04	23.14
1.4	QPSK	3	0	23.24	23.24	23.21
1.4	QPSK	3	1	23.25	23.13	23.35
1.4	QPSK	3	3	23.16	23.24	23.19
1.4	QPSK	6	0	22.12	22.18	22.24
1.4	16QAM	1	0	22.39	22.39	22.34
1.4	16QAM	1	3	22.13	22.26	22.11
1.4	16QAM	1	5	22.18	22.29	22.18
1.4	16QAM	3	0	22.11	22.33	22.24
1.4	16QAM	3	1	22.20	22.20	22.23
1.4	16QAM	3	3	22.31	22.31	22.30
1.4	16QAM	6	0	21.20	21.21	21.19



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	23.28	23.33	23.29
10	QPSK	1	25	23.19	23.30	23.17
10	QPSK	1	49	23.29	23.28	23.29
10	QPSK	25	0	22.36	22.37	22.35
10	QPSK	25	12	22.30	22.32	22.28
10	QPSK	25	25	22.31	22.28	22.31
10	QPSK	50	0	22.20	22.35	22.34
10	16QAM	1	0	22.38	22.10	22.31
10	16QAM	1	25	22.41	22.47	22.28
10	16QAM	1	49	22.40	22.42	22.33
10	16QAM	25	0	21.41	21.36	21.43
10	16QAM	25	12	21.28	21.43	21.42
10	16QAM	25	25	21.33	21.38	21.41
10	16QAM	50	0	21.31	21.34	21.30



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	23.18	23.30	23.11
5	QPSK	1	12	23.12	23.19	23.15
5	QPSK	1	24	23.25	23.21	23.26
5	QPSK	12	0	22.24	22.14	22.34
5	QPSK	12	7	22.27	22.28	22.25
5	QPSK	12	13	22.29	22.34	22.28
5	QPSK	25	0	22.13	22.26	22.26
5	16QAM	1	0	22.26	22.05	22.28
5	16QAM	1	12	22.33	22.46	22.25
5	16QAM	1	24	22.38	22.33	22.22
5	16QAM	12	0	21.36	21.32	21.39
5	16QAM	12	7	21.24	21.37	21.40
5	16QAM	12	13	21.32	21.37	21.35
5	16QAM	25	0	21.21	21.24	21.25



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	23.20	23.33	23.26
20	QPSK	1	49	23.17	23.23	23.16
20	QPSK	1	99	23.28	23.25	23.29
20	QPSK	50	0	22.16	22.39	22.35
20	QPSK	50	24	22.24	22.27	22.31
20	QPSK	50	50	22.35	22.38	22.36
20	QPSK	100	0	22.30	22.40	22.32
20	16QAM	1	0	22.51	22.55	22.55
20	16QAM	1	49	22.53	22.62	22.60
20	16QAM	1	99	22.56	22.63	22.61
20	16QAM	50	0	21.23	21.27	21.32
20	16QAM	50	24	21.38	21.40	21.37
20	16QAM	50	50	21.37	21.42	21.39
20	16QAM	100	0	21.36	21.28	21.42



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	23.14	23.29	23.18
15	QPSK	1	37	23.09	23.13	23.04
15	QPSK	1	74	23.16	23.20	23.23
15	QPSK	36	0	22.04	22.33	22.27
15	QPSK	36	20	22.14	22.15	22.28
15	QPSK	36	39	22.34	22.31	22.34
15	QPSK	75	0	22.18	22.26	22.20
15	16QAM	1	0	22.45	22.54	22.54
15	16QAM	1	37	22.48	22.58	22.52
15	16QAM	1	74	22.52	22.62	22.60
15	16QAM	36	0	21.13	21.24	21.25
15	16QAM	36	20	21.27	21.28	21.26
15	16QAM	36	39	21.35	21.41	21.37
15	16QAM	75	0	21.25	21.25	21.37



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	23.11	23.29	23.23
10	QPSK	1	25	23.15	23.17	23.06
10	QPSK	1	49	23.23	23.21	23.28
10	QPSK	25	0	22.10	22.36	22.26
10	QPSK	25	12	22.22	22.21	22.21
10	QPSK	25	25	22.31	22.35	22.27
10	QPSK	50	0	22.23	22.19	22.26
10	16QAM	1	0	22.46	22.49	22.48
10	16QAM	1	25	22.52	22.58	22.56
10	16QAM	1	49	22.48	22.57	22.50
10	16QAM	25	0	21.20	21.17	21.20
10	16QAM	25	12	21.29	21.28	21.28
10	16QAM	25	25	21.31	21.38	21.38
10	16QAM	50	0	21.33	21.26	21.39



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	23.10	23.28	23.15
5	QPSK	1	12	23.07	23.15	23.12
5	QPSK	1	24	23.22	23.22	23.27
5	QPSK	12	0	22.07	22.34	22.32
5	QPSK	12	7	22.12	22.16	22.30
5	QPSK	12	13	22.25	22.28	22.29
5	QPSK	25	0	22.27	22.27	22.29
5	16QAM	1	0	22.41	22.48	22.49
5	16QAM	1	12	22.46	22.61	22.50
5	16QAM	1	24	22.49	22.55	22.53
5	16QAM	12	0	21.18	21.21	21.23
5	16QAM	12	7	21.32	21.32	21.34
5	16QAM	12	13	21.36	21.36	21.37
5	16QAM	25	0	21.31	21.24	21.40



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	23.14	23.24	23.23
3	QPSK	1	8	23.11	23.12	23.07
3	QPSK	1	14	23.22	23.19	23.19
3	QPSK	8	0	22.09	22.35	22.28
3	QPSK	8	4	22.13	22.22	22.23
3	QPSK	8	7	22.31	22.35	22.35
3	QPSK	15	0	22.27	22.23	22.28
3	16QAM	1	0	22.40	22.49	22.43
3	16QAM	1	8	22.45	22.52	22.53
3	16QAM	1	14	22.53	22.56	22.58
3	16QAM	8	0	21.12	21.18	21.25
3	16QAM	8	4	21.35	21.33	21.30
3	16QAM	8	7	21.29	21.33	21.30
3	16QAM	15	0	21.27	21.20	21.36



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	23.10	23.27	23.19
1.4	QPSK	1	3	23.10	23.16	23.13
1.4	QPSK	1	5	23.19	23.20	23.24
1.4	QPSK	3	0	23.14	23.30	23.23
1.4	QPSK	3	1	23.23	23.17	23.27
1.4	QPSK	3	3	23.24	23.27	23.26
1.4	QPSK	6	0	22.24	22.25	22.25
1.4	16QAM	1	0	22.49	22.53	22.48
1.4	16QAM	1	3	22.44	22.56	22.57
1.4	16QAM	1	5	22.48	22.51	22.55
1.4	16QAM	3	0	22.23	22.15	22.28
1.4	16QAM	3	1	22.32	22.31	22.34
1.4	16QAM	3	3	22.33	22.41	22.28
1.4	16QAM	6	0	21.26	21.18	21.39



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	23.21	23.31	23.25
20	QPSK	1	49	23.16	23.20	23.11
20	QPSK	1	99	23.23	23.27	23.30
20	QPSK	50	0	22.35	22.42	22.34
20	QPSK	50	24	22.21	22.22	22.35
20	QPSK	50	50	22.41	22.38	22.41
20	QPSK	100	0	22.25	22.33	22.27
20	16QAM	1	0	22.52	22.61	22.61
20	16QAM	1	49	22.55	22.65	22.59
20	16QAM	1	99	22.59	22.69	22.67
20	16QAM	50	0	21.20	21.31	21.32
20	16QAM	50	24	21.34	21.35	21.33
20	16QAM	50	50	21.42	21.48	21.44
20	16QAM	100	0	21.32	21.32	21.44



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133197	133297	133397
Frequency (MHz)				670.5	680.5	690.5
15	QPSK	1	0	23.18	23.36	23.30
15	QPSK	1	37	23.22	23.24	23.13
15	QPSK	1	74	23.30	23.28	23.35
15	QPSK	36	0	22.17	22.43	22.33
15	QPSK	36	20	22.29	22.28	22.28
15	QPSK	36	39	22.38	22.42	22.34
15	QPSK	75	0	22.30	22.26	22.33
15	16QAM	1	0	22.53	22.56	22.55
15	16QAM	1	37	22.59	22.65	22.63
15	16QAM	1	74	22.55	22.64	22.57
15	16QAM	36	0	21.27	21.24	21.27
15	16QAM	36	20	21.36	21.35	21.35
15	16QAM	36	39	21.38	21.45	21.45
15	16QAM	75	0	21.40	21.33	21.46



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	23.17	23.35	23.22
10	QPSK	1	25	23.14	23.22	23.19
10	QPSK	1	49	23.29	23.29	23.34
10	QPSK	25	0	22.14	22.41	22.39
10	QPSK	25	12	22.19	22.23	22.37
10	QPSK	25	25	22.32	22.35	22.36
10	QPSK	50	0	22.34	22.34	22.36
10	16QAM	1	0	22.48	22.55	22.56
10	16QAM	1	25	22.53	22.68	22.57
10	16QAM	1	49	22.56	22.62	22.60
10	16QAM	25	0	21.25	21.28	21.30
10	16QAM	25	12	21.39	21.39	21.41
10	16QAM	25	25	21.43	21.43	21.44
10	16QAM	50	0	21.38	21.31	21.47



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5
5	QPSK	1	0	23.21	23.31	23.30
5	QPSK	1	12	23.18	23.19	23.14
5	QPSK	1	24	23.29	23.26	23.26
5	QPSK	12	0	22.16	22.42	22.35
5	QPSK	12	7	22.20	22.29	22.30
5	QPSK	12	13	22.38	22.42	22.42
5	QPSK	25	0	22.34	22.30	22.35
5	16QAM	1	0	22.47	22.56	22.50
5	16QAM	1	12	22.52	22.59	22.60
5	16QAM	1	24	22.60	22.63	22.65
5	16QAM	12	0	21.19	21.25	21.32
5	16QAM	12	7	21.42	21.40	21.37
5	16QAM	12	13	21.36	21.40	21.37
5	16QAM	25	0	21.34	21.27	21.43



Effective Radiated Power and Effective Isotropic Radiated Power

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.49	0.177	22.54	0.179	22.51	0.178
20	QPSK	1	49	22.22	0.167	22.32	0.171	22.23	0.167
20	QPSK	1	99	22.25	0.168	22.15	0.164	22.28	0.169
20	QPSK	50	0	21.61	0.145	21.73	0.149	21.63	0.146
20	QPSK	50	24	21.50	0.141	21.50	0.141	21.57	0.144
20	QPSK	50	50	21.59	0.144	21.60	0.145	21.53	0.142
20	QPSK	100	0	21.58	0.144	21.65	0.146	21.79	0.151
20	16QAM	1	0	21.48	0.141	21.65	0.146	21.52	0.142
20	16QAM	1	49	21.50	0.141	21.55	0.143	21.49	0.141
20	16QAM	1	99	21.49	0.141	21.54	0.143	21.47	0.140
20	16QAM	50	0	20.62	0.115	20.55	0.114	20.66	0.116
20	16QAM	50	24	20.42	0.110	20.52	0.113	20.50	0.112
20	16QAM	50	50	20.53	0.113	20.58	0.114	20.55	0.114
20	16QAM	100	0	20.44	0.111	20.54	0.113	20.44	0.111



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.30	0.170	22.15	0.164	22.31	0.170
15	QPSK	1	37	22.06	0.161	22.05	0.160	22.18	0.165
15	QPSK	1	74	22.19	0.166	22.10	0.162	22.17	0.165
15	QPSK	36	0	21.51	0.142	21.50	0.141	21.50	0.141
15	QPSK	36	20	21.39	0.138	21.47	0.140	21.48	0.141
15	QPSK	36	39	21.47	0.140	21.55	0.143	21.51	0.142
15	QPSK	75	0	21.55	0.143	21.50	0.141	21.43	0.139
15	16QAM	1	0	21.45	0.140	21.54	0.143	21.47	0.140
15	16QAM	1	37	21.48	0.141	21.52	0.142	21.47	0.140
15	16QAM	1	74	21.43	0.139	21.50	0.141	21.44	0.139
15	16QAM	36	0	20.61	0.115	20.52	0.113	20.55	0.114
15	16QAM	36	20	20.34	0.108	20.46	0.111	20.43	0.110
15	16QAM	36	39	20.44	0.111	20.57	0.114	20.47	0.111
15	16QAM	75	0	20.41	0.110	20.48	0.112	20.34	0.108





LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.20	0.166	22.22	0.167	22.28	0.169
10	QPSK	1	25	22.05	0.160	22.05	0.160	22.11	0.163
10	QPSK	1	49	22.19	0.166	22.04	0.160	22.27	0.169
10	QPSK	25	0	21.61	0.145	21.45	0.140	21.51	0.142
10	QPSK	25	12	21.45	0.140	21.45	0.140	21.52	0.142
10	QPSK	25	25	21.52	0.142	21.55	0.143	21.50	0.141
10	QPSK	50	0	21.53	0.142	21.49	0.141	21.38	0.137
10	16QAM	1	0	21.38	0.137	21.55	0.143	21.48	0.141
10	16QAM	1	25	21.41	0.138	21.53	0.142	21.42	0.139
10	16QAM	1	49	21.37	0.137	21.42	0.139	21.41	0.138
10	16QAM	25	0	20.61	0.115	20.45	0.111	20.59	0.115
10	16QAM	25	12	20.35	0.108	20.50	0.112	20.45	0.111
10	16QAM	25	25	20.50	0.112	20.48	0.112	20.48	0.112
10	16QAM	50	0	20.35	0.108	20.44	0.111	20.35	0.108



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.28	0.169	22.14	0.164	22.33	0.171
5	QPSK	1	12	22.12	0.163	22.12	0.163	22.19	0.166
5	QPSK	1	24	22.15	0.164	22.09	0.162	22.23	0.167
5	QPSK	12	0	21.52	0.142	21.51	0.142	21.50	0.141
5	QPSK	12	7	21.47	0.140	21.44	0.139	21.55	0.143
5	QPSK	12	13	21.49	0.141	21.51	0.142	21.44	0.139
5	QPSK	25	0	21.54	0.143	21.45	0.140	21.47	0.140
5	16QAM	1	0	21.40	0.138	21.62	0.145	21.46	0.140
5	16QAM	1	12	21.49	0.141	21.51	0.142	21.38	0.137
5	16QAM	1	24	21.37	0.137	21.52	0.142	21.36	0.137
5	16QAM	12	0	20.51	0.113	20.49	0.112	20.65	0.116
5	16QAM	12	7	20.38	0.109	20.46	0.111	20.48	0.112
5	16QAM	12	13	20.41	0.110	20.57	0.114	20.54	0.113
5	16QAM	25	0	20.43	0.110	20.44	0.111	20.42	0.110



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.25	0.168	22.16	0.164	22.25	0.168
3	QPSK	1	8	22.03	0.160	22.07	0.161	22.16	0.164
3	QPSK	1	14	22.21	0.166	22.14	0.164	22.16	0.164
3	QPSK	8	0	21.52	0.142	21.50	0.141	21.46	0.140
3	QPSK	8	4	21.38	0.137	21.48	0.141	21.45	0.140
3	QPSK	8	7	21.53	0.142	21.51	0.142	21.51	0.142
3	QPSK	15	0	21.51	0.142	21.41	0.138	21.37	0.137
3	16QAM	1	0	21.38	0.137	21.64	0.146	21.41	0.138
3	16QAM	1	8	21.38	0.137	21.48	0.141	21.40	0.138
3	16QAM	1	14	21.44	0.139	21.48	0.141	21.39	0.138
3	16QAM	8	0	20.58	0.114	20.48	0.112	20.61	0.115
3	16QAM	8	4	20.39	0.109	20.46	0.111	20.42	0.110
3	16QAM	8	7	20.46	0.111	20.48	0.112	20.49	0.112
3	16QAM	15	0	20.32	0.108	20.53	0.113	20.37	0.109



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.40	0.174	22.29	0.169	22.42	0.175
1.4	QPSK	1	3	22.18	0.165	22.31	0.170	22.38	0.173
1.4	QPSK	1	5	22.29	0.169	22.25	0.168	22.33	0.171
1.4	QPSK	3	0	22.39	0.173	22.27	0.169	22.33	0.171
1.4	QPSK	3	1	22.29	0.169	22.27	0.169	22.34	0.171
1.4	QPSK	3	3	22.39	0.173	22.31	0.170	22.25	0.168
1.4	QPSK	6	0	21.55	0.143	21.44	0.139	21.41	0.138
1.4	16QAM	1	0	21.46	0.140	21.62	0.145	21.49	0.141
1.4	16QAM	1	3	21.43	0.139	21.54	0.143	21.44	0.139
1.4	16QAM	1	5	21.43	0.139	21.49	0.141	21.46	0.140
1.4	16QAM	3	0	21.57	0.144	21.46	0.140	21.58	0.144
1.4	16QAM	3	1	21.39	0.138	21.41	0.138	21.45	0.140
1.4	16QAM	3	3	21.41	0.138	21.46	0.140	21.52	0.142
1.4	16QAM	6	0	20.41	0.110	20.45	0.111	20.36	0.109



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.41	0.174	22.47	0.177	22.39	0.173
20	QPSK	1	49	22.28	0.169	22.25	0.168	22.22	0.167
20	QPSK	1	99	22.26	0.168	22.17	0.165	22.15	0.164
20	QPSK	50	0	21.58	0.144	21.59	0.144	21.56	0.143
20	QPSK	50	24	21.55	0.143	21.51	0.142	21.53	0.142
20	QPSK	50	50	21.54	0.143	21.45	0.140	21.47	0.140
20	QPSK	100	0	21.53	0.142	21.59	0.144	21.53	0.142
20	16QAM	1	0	21.46	0.140	21.46	0.140	21.48	0.141
20	16QAM	1	49	21.55	0.143	21.52	0.142	21.51	0.142
20	16QAM	1	99	21.37	0.137	21.49	0.141	21.50	0.141
20	16QAM	50	0	20.58	0.114	20.43	0.110	20.44	0.111
20	16QAM	50	24	20.48	0.112	20.47	0.111	20.37	0.109
20	16QAM	50	50	20.43	0.110	20.41	0.110	20.42	0.110
20	16QAM	100	0	20.42	0.110	20.51	0.112	20.41	0.110



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.27	0.169	22.26	0.168	22.24	0.167
15	QPSK	1	37	22.20	0.166	22.21	0.166	22.18	0.165
15	QPSK	1	74	22.21	0.166	22.11	0.163	22.05	0.160
15	QPSK	36	0	21.59	0.144	21.35	0.136	21.46	0.140
15	QPSK	36	20	21.50	0.141	21.43	0.139	21.51	0.142
15	QPSK	36	39	21.44	0.139	21.39	0.138	21.46	0.140
15	QPSK	75	0	21.44	0.139	21.44	0.139	21.49	0.141
15	16QAM	1	0	21.41	0.138	21.35	0.136	21.36	0.137
15	16QAM	1	37	21.50	0.141	21.40	0.138	21.44	0.139
15	16QAM	1	74	21.32	0.136	21.46	0.140	21.39	0.138
15	16QAM	36	0	20.52	0.113	20.42	0.110	20.37	0.109
15	16QAM	36	20	20.38	0.109	20.36	0.109	20.36	0.109
15	16QAM	36	39	20.35	0.108	20.37	0.109	20.38	0.109
15	16QAM	75	0	20.36	0.109	20.49	0.112	20.39	0.109



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.26	0.168	22.24	0.167	22.24	0.167
10	QPSK	1	25	22.24	0.167	22.16	0.164	22.13	0.163
10	QPSK	1	49	22.24	0.167	22.07	0.161	22.12	0.163
10	QPSK	25	0	21.58	0.144	21.36	0.137	21.37	0.137
10	QPSK	25	12	21.52	0.142	21.41	0.138	21.45	0.140
10	QPSK	25	25	21.45	0.140	21.41	0.138	21.42	0.139
10	QPSK	50	0	21.45	0.140	21.49	0.141	21.51	0.142
10	16QAM	1	0	21.36	0.137	21.35	0.136	21.47	0.140
10	16QAM	1	25	21.43	0.139	21.49	0.141	21.40	0.138
10	16QAM	1	49	21.36	0.137	21.40	0.138	21.40	0.138
10	16QAM	25	0	20.52	0.113	20.41	0.110	20.38	0.109
10	16QAM	25	12	20.36	0.109	20.42	0.110	20.29	0.107
10	16QAM	25	25	20.39	0.109	20.38	0.109	20.30	0.107
10	16QAM	50	0	20.39	0.109	20.43	0.110	20.32	0.108



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.23	0.167	22.26	0.168	22.23	0.167
5	QPSK	1	12	22.17	0.165	22.13	0.163	22.14	0.164
5	QPSK	1	24	22.19	0.166	22.08	0.161	22.09	0.162
5	QPSK	12	0	21.58	0.144	21.34	0.136	21.44	0.139
5	QPSK	12	7	21.51	0.142	21.45	0.140	21.43	0.139
5	QPSK	12	13	21.50	0.141	21.35	0.136	21.39	0.138
5	QPSK	25	0	21.52	0.142	21.40	0.138	21.42	0.139
5	16QAM	1	0	21.35	0.136	21.38	0.137	21.39	0.138
5	16QAM	1	12	21.49	0.141	21.51	0.142	21.49	0.141
5	16QAM	1	24	21.31	0.135	21.38	0.137	21.43	0.139
5	16QAM	12	0	20.56	0.114	20.32	0.108	20.32	0.108
5	16QAM	12	7	20.38	0.109	20.42	0.110	20.25	0.106
5	16QAM	12	13	20.35	0.108	20.31	0.107	20.36	0.109
5	16QAM	25	0	20.38	0.109	20.41	0.110	20.30	0.107



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.26	0.168	22.27	0.169	22.15	0.164
3	QPSK	1	8	22.16	0.164	22.18	0.165	22.16	0.164
3	QPSK	1	14	22.20	0.166	22.15	0.164	22.13	0.163
3	QPSK	8	0	21.53	0.142	21.37	0.137	21.37	0.137
3	QPSK	8	4	21.44	0.139	21.46	0.140	21.47	0.140
3	QPSK	8	7	21.46	0.140	21.33	0.136	21.40	0.138
3	QPSK	15	0	21.46	0.140	21.40	0.138	21.52	0.142
3	16QAM	1	0	21.42	0.139	21.42	0.139	21.47	0.140
3	16QAM	1	8	21.53	0.142	21.46	0.140	21.46	0.140
3	16QAM	1	14	21.29	0.135	21.45	0.140	21.47	0.140
3	16QAM	8	0	20.47	0.111	20.41	0.110	20.39	0.109
3	16QAM	8	4	20.42	0.110	20.45	0.111	20.26	0.106
3	16QAM	8	7	20.31	0.107	20.29	0.107	20.41	0.110
3	16QAM	15	0	20.33	0.108	20.45	0.111	20.32	0.108



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.29	0.169	22.22	0.167	22.18	0.165
1.4	QPSK	1	3	22.18	0.165	22.21	0.166	22.17	0.165
1.4	QPSK	1	5	22.17	0.165	22.07	0.161	22.14	0.164
1.4	QPSK	3	0	22.36	0.172	22.21	0.166	22.31	0.170
1.4	QPSK	3	1	22.32	0.171	22.30	0.170	22.26	0.168
1.4	QPSK	3	3	22.29	0.169	22.20	0.166	22.27	0.169
1.4	QPSK	6	0	21.49	0.141	21.41	0.138	21.42	0.139
1.4	16QAM	1	0	21.34	0.136	21.43	0.139	21.37	0.137
1.4	16QAM	1	3	21.51	0.142	21.46	0.140	21.40	0.138
1.4	16QAM	1	5	21.25	0.133	21.42	0.139	21.49	0.141
1.4	16QAM	3	0	21.46	0.140	21.34	0.136	21.42	0.139
1.4	16QAM	3	1	21.45	0.140	21.46	0.140	21.30	0.135
1.4	16QAM	3	3	21.40	0.138	21.34	0.136	21.35	0.136
1.4	16QAM	6	0	20.30	0.107	20.41	0.110	20.31	0.107



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.80	0.076	18.84	0.077	18.82	0.076
10	QPSK	1	25	18.71	0.074	18.59	0.072	18.49	0.071
10	QPSK	1	49	18.63	0.073	18.63	0.073	18.51	0.071
10	QPSK	25	0	17.85	0.061	17.93	0.062	17.86	0.061
10	QPSK	25	12	17.83	0.061	17.71	0.059	17.71	0.059
10	QPSK	25	25	17.79	0.060	17.73	0.059	17.83	0.061
10	QPSK	50	0	17.92	0.062	17.95	0.062	17.89	0.062
10	16QAM	1	0	17.84	0.061	18.09	0.064	17.95	0.062
10	16QAM	1	25	17.82	0.061	17.92	0.062	17.95	0.062
10	16QAM	1	49	17.94	0.062	17.91	0.062	17.87	0.061
10	16QAM	25	0	16.89	0.049	16.84	0.048	16.63	0.046
10	16QAM	25	12	16.84	0.048	16.75	0.047	16.73	0.047
10	16QAM	25	25	16.77	0.048	16.76	0.047	16.74	0.047
10	16QAM	50	0	16.81	0.048	16.77	0.048	16.76	0.047



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.60	0.072	18.71	0.074	18.51	0.071
5	QPSK	1	12	18.69	0.074	18.54	0.071	18.37	0.069
5	QPSK	1	24	18.53	0.071	18.61	0.073	18.40	0.069
5	QPSK	12	0	17.64	0.058	17.68	0.059	17.52	0.056
5	QPSK	12	7	17.80	0.060	17.59	0.057	17.66	0.058
5	QPSK	12	13	17.72	0.059	17.62	0.058	17.55	0.057
5	QPSK	25	0	17.84	0.061	17.60	0.058	17.63	0.058
5	16QAM	1	0	17.78	0.060	18.01	0.063	17.85	0.061
5	16QAM	1	12	17.74	0.059	17.81	0.060	17.85	0.061
5	16QAM	1	24	17.90	0.062	17.80	0.060	17.83	0.061
5	16QAM	12	0	16.80	0.048	16.79	0.048	16.58	0.045
5	16QAM	12	7	16.83	0.048	16.63	0.046	16.68	0.047
5	16QAM	12	13	16.67	0.046	16.65	0.046	16.73	0.047
5	16QAM	25	0	16.78	0.048	16.67	0.046	16.71	0.047



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	18.65	0.073	18.70	0.074	18.53	0.071
3	QPSK	1	8	18.69	0.074	18.47	0.070	18.48	0.070
3	QPSK	1	14	18.53	0.071	18.56	0.072	18.39	0.069
3	QPSK	8	0	17.64	0.058	17.72	0.059	17.52	0.056
3	QPSK	8	4	17.81	0.060	17.59	0.057	17.67	0.058
3	QPSK	8	7	17.69	0.059	17.70	0.059	17.57	0.057
3	QPSK	15	0	17.83	0.061	17.59	0.057	17.66	0.058
3	16QAM	1	0	17.82	0.061	18.06	0.064	17.87	0.061
3	16QAM	1	8	17.81	0.060	17.88	0.061	17.91	0.062
3	16QAM	1	14	17.87	0.061	17.84	0.061	17.76	0.060
3	16QAM	8	0	16.83	0.048	16.73	0.047	16.52	0.045
3	16QAM	8	4	16.75	0.047	16.65	0.046	16.61	0.046
3	16QAM	8	7	16.68	0.047	16.70	0.047	16.72	0.047
3	16QAM	15	0	16.70	0.047	16.75	0.047	16.73	0.047



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	18.64	0.073	18.64	0.073	18.57	0.072
1.4	QPSK	1	3	18.61	0.073	18.51	0.071	18.38	0.069
1.4	QPSK	1	5	18.62	0.073	18.56	0.072	18.50	0.071
1.4	QPSK	3	0	17.87	0.061	17.92	0.062	17.81	0.060
1.4	QPSK	3	1	17.99	0.063	17.87	0.061	17.83	0.061
1.4	QPSK	3	3	17.88	0.061	17.82	0.061	17.81	0.060
1.4	QPSK	6	0	17.84	0.061	17.58	0.057	17.57	0.057
1.4	16QAM	1	0	17.74	0.059	18.08	0.064	17.83	0.061
1.4	16QAM	1	3	17.78	0.060	17.82	0.061	17.91	0.062
1.4	16QAM	1	5	17.82	0.061	17.86	0.061	17.79	0.060
1.4	16QAM	3	0	17.84	0.061	17.79	0.060	17.62	0.058
1.4	16QAM	3	1	17.73	0.059	17.64	0.058	17.61	0.058
1.4	16QAM	3	3	17.75	0.060	17.69	0.059	17.72	0.059
1.4	16QAM	6	0	16.73	0.047	16.71	0.047	16.64	0.046



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	22.42	0.175	22.47	0.177	22.44	0.175
20	QPSK	1	49	22.24	0.167	22.24	0.167	22.13	0.163
20	QPSK	1	99	22.26	0.168	22.31	0.170	22.04	0.160
20	QPSK	50	0	21.49	0.141	21.54	0.143	21.50	0.141
20	QPSK	50	24	21.44	0.139	21.45	0.140	21.35	0.136
20	QPSK	50	50	21.42	0.139	21.36	0.137	21.36	0.137
20	QPSK	100	0	21.44	0.139	21.49	0.141	21.45	0.140
20	16QAM	1	0	21.65	0.146	21.36	0.137	21.45	0.140
20	16QAM	1	49	21.58	0.144	21.46	0.140	21.57	0.144
20	16QAM	1	99	21.59	0.144	21.47	0.140	21.55	0.143
20	16QAM	50	0	20.43	0.110	20.36	0.109	20.38	0.109
20	16QAM	50	24	20.51	0.112	20.44	0.111	20.38	0.109
20	16QAM	50	50	20.40	0.110	20.35	0.108	20.46	0.111
20	16QAM	100	0	20.38	0.109	20.43	0.110	20.42	0.110



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		dBm		dBm	
				W		W		W	
15	QPSK	1	0	22.38	0.173	22.33	0.171	22.04	0.160
15	QPSK	1	37	22.22	0.167	22.21	0.166	22.04	0.160
15	QPSK	1	74	22.22	0.167	22.29	0.169	21.95	0.157
15	QPSK	36	0	21.35	0.136	21.39	0.138	21.34	0.136
15	QPSK	36	20	21.35	0.136	21.44	0.139	21.35	0.136
15	QPSK	36	39	21.40	0.138	21.35	0.136	21.35	0.136
15	QPSK	75	0	21.42	0.139	21.38	0.137	21.39	0.138
15	16QAM	1	0	21.59	0.144	21.34	0.136	21.38	0.137
15	16QAM	1	37	21.52	0.142	21.43	0.139	21.46	0.140
15	16QAM	1	74	21.53	0.142	21.46	0.140	21.52	0.142
15	16QAM	36	0	20.35	0.108	20.44	0.111	20.38	0.109
15	16QAM	36	20	20.48	0.112	20.35	0.108	20.37	0.109
15	16QAM	36	39	20.42	0.110	20.44	0.111	20.44	0.111
15	16QAM	75	0	20.39	0.109	20.42	0.110	20.39	0.109



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	22.31	0.170	22.28	0.169	21.96	0.157
10	QPSK	1	25	22.22	0.167	22.14	0.164	22.08	0.161
10	QPSK	1	49	22.20	0.166	22.23	0.167	21.96	0.157
10	QPSK	25	0	21.35	0.136	21.36	0.137	21.38	0.137
10	QPSK	25	12	21.35	0.136	21.44	0.139	21.39	0.138
10	QPSK	25	25	21.40	0.138	21.42	0.139	21.43	0.139
10	QPSK	50	0	21.34	0.136	21.35	0.136	21.35	0.136
10	16QAM	1	0	21.64	0.146	21.44	0.139	21.44	0.139
10	16QAM	1	25	21.53	0.142	21.45	0.140	21.53	0.142
10	16QAM	1	49	21.51	0.142	21.36	0.137	21.45	0.140
10	16QAM	25	0	20.43	0.110	20.43	0.110	20.39	0.109
10	16QAM	25	12	20.46	0.111	20.35	0.108	20.39	0.109
10	16QAM	25	25	20.36	0.109	20.39	0.109	20.36	0.109
10	16QAM	50	0	20.37	0.109	20.42	0.110	20.38	0.109



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	22.37	0.173	22.25	0.168	21.99	0.158
5	QPSK	1	12	22.20	0.166	22.17	0.165	22.08	0.161
5	QPSK	1	24	22.20	0.166	22.29	0.169	21.98	0.158
5	QPSK	12	0	21.39	0.138	21.36	0.137	21.34	0.136
5	QPSK	12	7	21.35	0.136	21.41	0.138	21.34	0.136
5	QPSK	12	13	21.44	0.139	21.34	0.136	21.37	0.137
5	QPSK	25	0	21.35	0.136	21.37	0.137	21.37	0.137
5	16QAM	1	0	21.64	0.146	21.38	0.137	21.40	0.138
5	16QAM	1	12	21.46	0.140	21.42	0.139	21.55	0.143
5	16QAM	1	24	21.58	0.144	21.46	0.140	21.53	0.142
5	16QAM	12	0	20.35	0.108	20.36	0.109	20.42	0.110
5	16QAM	12	7	20.43	0.110	20.54	0.113	20.43	0.110
5	16QAM	12	13	20.35	0.108	20.35	0.108	20.39	0.109
5	16QAM	25	0	20.35	0.108	20.37	0.109	20.44	0.111



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.09	0.064	18.14	0.065	18.12	0.065
10	QPSK	1	25	18.05	0.064	18.10	0.065	18.13	0.065
10	QPSK	1	49	17.98	0.063	17.92	0.062	17.99	0.063
10	QPSK	25	0	17.11	0.051	17.21	0.053	17.08	0.051
10	QPSK	25	12	17.18	0.052	17.08	0.051	17.20	0.052
10	QPSK	25	25	17.07	0.051	17.10	0.051	17.10	0.051
10	QPSK	50	0	17.06	0.051	17.17	0.052	17.13	0.052
10	16QAM	1	0	17.25	0.053	17.31	0.054	17.21	0.053
10	16QAM	1	25	17.05	0.051	17.11	0.051	17.07	0.051
10	16QAM	1	49	17.13	0.052	17.15	0.052	17.14	0.052
10	16QAM	25	0	16.06	0.040	16.19	0.042	16.13	0.041
10	16QAM	25	12	16.11	0.041	16.16	0.041	16.16	0.041
10	16QAM	25	25	16.24	0.042	16.25	0.042	16.24	0.042
10	16QAM	50	0	16.13	0.041	16.14	0.041	16.13	0.041



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	17.98	0.063	18.07	0.064	18.05	0.064
5	QPSK	1	12	17.97	0.063	18.06	0.064	18.05	0.064
5	QPSK	1	24	17.94	0.062	17.91	0.062	17.95	0.062
5	QPSK	12	0	17.05	0.051	17.14	0.052	16.99	0.050
5	QPSK	12	7	17.12	0.052	17.07	0.051	17.13	0.052
5	QPSK	12	13	16.99	0.050	17.00	0.050	17.05	0.051
5	QPSK	25	0	17.01	0.050	16.97	0.050	17.08	0.051
5	16QAM	1	0	17.19	0.052	17.21	0.053	17.16	0.052
5	16QAM	1	12	17.04	0.051	17.01	0.050	17.04	0.051
5	16QAM	1	24	17.02	0.050	17.05	0.051	17.05	0.051
5	16QAM	12	0	16.02	0.040	16.09	0.041	16.03	0.040
5	16QAM	12	7	16.10	0.041	16.07	0.040	16.11	0.041
5	16QAM	12	13	16.12	0.041	16.13	0.041	16.19	0.042
5	16QAM	25	0	16.09	0.041	16.04	0.040	16.05	0.040



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	18.00	0.063	18.08	0.064	18.07	0.064
3	QPSK	1	8	18.02	0.063	18.02	0.063	18.02	0.063
3	QPSK	1	14	17.90	0.062	17.84	0.061	17.87	0.061
3	QPSK	8	0	17.09	0.051	17.08	0.051	17.07	0.051
3	QPSK	8	4	17.08	0.051	17.03	0.050	17.12	0.052
3	QPSK	8	7	17.00	0.050	17.06	0.051	17.05	0.051
3	QPSK	15	0	17.02	0.050	16.98	0.050	17.11	0.051
3	16QAM	1	0	17.13	0.052	17.30	0.054	17.19	0.052
3	16QAM	1	8	16.96	0.050	17.06	0.051	16.98	0.050
3	16QAM	1	14	17.09	0.051	17.11	0.051	17.02	0.050
3	16QAM	8	0	15.99	0.040	16.10	0.041	16.05	0.040
3	16QAM	8	4	16.00	0.040	16.12	0.041	16.11	0.041
3	16QAM	8	7	16.19	0.042	16.22	0.042	16.16	0.041
3	16QAM	15	0	16.03	0.040	16.04	0.040	16.07	0.040



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	18.04	0.064	18.12	0.065	18.10	0.065
1.4	QPSK	1	3	17.99	0.063	18.08	0.064	18.06	0.064
1.4	QPSK	1	5	17.92	0.062	17.88	0.061	17.98	0.063
1.4	QPSK	3	0	18.08	0.064	18.08	0.064	18.05	0.064
1.4	QPSK	3	1	18.09	0.064	17.97	0.063	18.19	0.066
1.4	QPSK	3	3	18.00	0.063	18.08	0.064	18.03	0.064
1.4	QPSK	6	0	16.96	0.050	17.02	0.050	17.08	0.051
1.4	16QAM	1	0	17.23	0.053	17.23	0.053	17.18	0.052
1.4	16QAM	1	3	16.97	0.050	17.10	0.051	16.95	0.050
1.4	16QAM	1	5	17.02	0.050	17.13	0.052	17.02	0.050
1.4	16QAM	3	0	16.95	0.050	17.17	0.052	17.08	0.051
1.4	16QAM	3	1	17.04	0.051	17.04	0.051	17.07	0.051
1.4	16QAM	3	3	17.15	0.052	17.15	0.052	17.14	0.052
1.4	16QAM	6	0	16.04	0.040	16.05	0.040	16.03	0.040



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.16	0.065	18.21	0.066	18.17	0.066
10	QPSK	1	25	18.07	0.064	18.18	0.066	18.05	0.064
10	QPSK	1	49	18.17	0.066	18.16	0.065	18.17	0.066
10	QPSK	25	0	17.24	0.053	17.25	0.053	17.23	0.053
10	QPSK	25	12	17.18	0.052	17.20	0.052	17.16	0.052
10	QPSK	25	25	17.19	0.052	17.16	0.052	17.19	0.052
10	QPSK	50	0	17.08	0.051	17.23	0.053	17.22	0.053
10	16QAM	1	0	17.26	0.053	16.98	0.050	17.19	0.052
10	16QAM	1	25	17.29	0.054	17.35	0.054	17.16	0.052
10	16QAM	1	49	17.28	0.053	17.30	0.054	17.21	0.053
10	16QAM	25	0	16.29	0.043	16.24	0.042	16.31	0.043
10	16QAM	25	12	16.16	0.041	16.31	0.043	16.30	0.043
10	16QAM	25	25	16.21	0.042	16.26	0.042	16.29	0.043
10	16QAM	50	0	16.19	0.042	16.22	0.042	16.18	0.041



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.06	0.064	18.18	0.066	17.99	0.063
5	QPSK	1	12	18.00	0.063	18.07	0.064	18.03	0.064
5	QPSK	1	24	18.13	0.065	18.09	0.064	18.14	0.065
5	QPSK	12	0	17.12	0.052	17.02	0.050	17.22	0.053
5	QPSK	12	7	17.15	0.052	17.16	0.052	17.13	0.052
5	QPSK	12	13	17.17	0.052	17.22	0.053	17.16	0.052
5	QPSK	25	0	17.01	0.050	17.14	0.052	17.14	0.052
5	16QAM	1	0	17.14	0.052	16.93	0.049	17.16	0.052
5	16QAM	1	12	17.21	0.053	17.34	0.054	17.13	0.052
5	16QAM	1	24	17.26	0.053	17.21	0.053	17.10	0.051
5	16QAM	12	0	16.24	0.042	16.20	0.042	16.27	0.042
5	16QAM	12	7	16.12	0.041	16.25	0.042	16.28	0.042
5	16QAM	12	13	16.20	0.042	16.25	0.042	16.23	0.042
5	16QAM	25	0	16.09	0.041	16.12	0.041	16.13	0.041



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.56	0.180	22.69	0.186	22.62	0.183
20	QPSK	1	49	22.53	0.179	22.59	0.182	22.52	0.179
20	QPSK	1	99	22.64	0.184	22.61	0.182	22.65	0.184
20	QPSK	50	0	21.52	0.142	21.75	0.150	21.71	0.148
20	QPSK	50	24	21.60	0.145	21.63	0.146	21.67	0.147
20	QPSK	50	50	21.71	0.148	21.74	0.149	21.72	0.149
20	QPSK	100	0	21.66	0.147	21.76	0.150	21.68	0.147
20	16QAM	1	0	21.87	0.154	21.91	0.155	21.91	0.155
20	16QAM	1	49	21.89	0.155	21.98	0.158	21.96	0.157
20	16QAM	1	99	21.92	0.156	21.99	0.158	21.97	0.157
20	16QAM	50	0	20.59	0.115	20.63	0.116	20.68	0.117
20	16QAM	50	24	20.74	0.119	20.76	0.119	20.73	0.118
20	16QAM	50	50	20.73	0.118	20.78	0.120	20.75	0.119
20	16QAM	100	0	20.72	0.118	20.64	0.116	20.78	0.120



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.50	0.178	22.65	0.184	22.54	0.179
15	QPSK	1	37	22.45	0.176	22.49	0.177	22.40	0.174
15	QPSK	1	74	22.52	0.179	22.56	0.180	22.59	0.182
15	QPSK	36	0	21.40	0.138	21.69	0.148	21.63	0.146
15	QPSK	36	20	21.50	0.141	21.51	0.142	21.64	0.146
15	QPSK	36	39	21.70	0.148	21.67	0.147	21.70	0.148
15	QPSK	75	0	21.54	0.143	21.62	0.145	21.56	0.143
15	16QAM	1	0	21.81	0.152	21.90	0.155	21.90	0.155
15	16QAM	1	37	21.84	0.153	21.94	0.156	21.88	0.154
15	16QAM	1	74	21.88	0.154	21.98	0.158	21.96	0.157
15	16QAM	36	0	20.49	0.112	20.60	0.115	20.61	0.115
15	16QAM	36	20	20.63	0.116	20.64	0.116	20.62	0.115
15	16QAM	36	39	20.71	0.118	20.77	0.119	20.73	0.118
15	16QAM	75	0	20.61	0.115	20.61	0.115	20.73	0.118



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.47	0.177	22.65	0.184	22.59	0.182
10	QPSK	1	25	22.51	0.178	22.53	0.179	22.42	0.175
10	QPSK	1	49	22.59	0.182	22.57	0.181	22.64	0.184
10	QPSK	25	0	21.46	0.140	21.72	0.149	21.62	0.145
10	QPSK	25	12	21.58	0.144	21.57	0.144	21.57	0.144
10	QPSK	25	25	21.67	0.147	21.71	0.148	21.63	0.146
10	QPSK	50	0	21.59	0.144	21.55	0.143	21.62	0.145
10	16QAM	1	0	21.82	0.152	21.85	0.153	21.84	0.153
10	16QAM	1	25	21.88	0.154	21.94	0.156	21.92	0.156
10	16QAM	1	49	21.84	0.153	21.93	0.156	21.86	0.153
10	16QAM	25	0	20.56	0.114	20.53	0.113	20.56	0.114
10	16QAM	25	12	20.65	0.116	20.64	0.116	20.64	0.116
10	16QAM	25	25	20.67	0.117	20.74	0.119	20.74	0.119
10	16QAM	50	0	20.69	0.117	20.62	0.115	20.75	0.119



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.46	0.176	22.64	0.184	22.51	0.178
5	QPSK	1	12	22.43	0.175	22.51	0.178	22.48	0.177
5	QPSK	1	24	22.58	0.181	22.58	0.181	22.63	0.183
5	QPSK	12	0	21.43	0.139	21.70	0.148	21.68	0.147
5	QPSK	12	7	21.48	0.141	21.52	0.142	21.66	0.147
5	QPSK	12	13	21.61	0.145	21.64	0.146	21.65	0.146
5	QPSK	25	0	21.63	0.146	21.63	0.146	21.65	0.146
5	16QAM	1	0	21.77	0.150	21.84	0.153	21.85	0.153
5	16QAM	1	12	21.82	0.152	21.97	0.157	21.86	0.153
5	16QAM	1	24	21.85	0.153	21.91	0.155	21.89	0.155
5	16QAM	12	0	20.54	0.113	20.57	0.114	20.59	0.115
5	16QAM	12	7	20.68	0.117	20.68	0.117	20.70	0.117
5	16QAM	12	13	20.72	0.118	20.72	0.118	20.73	0.118
5	16QAM	25	0	20.67	0.117	20.60	0.115	20.76	0.119



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	22.50	0.178	22.60	0.182	22.59	0.182
3	QPSK	1	8	22.47	0.177	22.48	0.177	22.43	0.175
3	QPSK	1	14	22.58	0.181	22.55	0.180	22.55	0.180
3	QPSK	8	0	21.45	0.140	21.71	0.148	21.64	0.146
3	QPSK	8	4	21.49	0.141	21.58	0.144	21.59	0.144
3	QPSK	8	7	21.67	0.147	21.71	0.148	21.71	0.148
3	QPSK	15	0	21.63	0.146	21.59	0.144	21.64	0.146
3	16QAM	1	0	21.76	0.150	21.85	0.153	21.79	0.151
3	16QAM	1	8	21.81	0.152	21.88	0.154	21.89	0.155
3	16QAM	1	14	21.89	0.155	21.92	0.156	21.94	0.156
3	16QAM	8	0	20.48	0.112	20.54	0.113	20.61	0.115
3	16QAM	8	4	20.71	0.118	20.69	0.117	20.66	0.116
3	16QAM	8	7	20.65	0.116	20.69	0.117	20.66	0.116
3	16QAM	15	0	20.63	0.116	20.56	0.114	20.72	0.118



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.46	0.176	22.63	0.183	22.55	0.180
1.4	QPSK	1	3	22.46	0.176	22.52	0.179	22.49	0.177
1.4	QPSK	1	5	22.55	0.180	22.56	0.180	22.60	0.182
1.4	QPSK	3	0	22.50	0.178	22.66	0.185	22.59	0.182
1.4	QPSK	3	1	22.59	0.182	22.53	0.179	22.63	0.183
1.4	QPSK	3	3	22.60	0.182	22.63	0.183	22.62	0.183
1.4	QPSK	6	0	21.60	0.145	21.61	0.145	21.61	0.145
1.4	16QAM	1	0	21.85	0.153	21.89	0.155	21.84	0.153
1.4	16QAM	1	3	21.80	0.151	21.92	0.156	21.93	0.156
1.4	16QAM	1	5	21.84	0.153	21.87	0.154	21.91	0.155
1.4	16QAM	3	0	21.59	0.144	21.51	0.142	21.64	0.146
1.4	16QAM	3	1	21.68	0.147	21.67	0.147	21.70	0.148
1.4	16QAM	3	3	21.69	0.148	21.77	0.150	21.64	0.146
1.4	16QAM	6	0	20.62	0.115	20.54	0.113	20.75	0.119



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133222		133322		133372	
Frequency (MHz)				673		683		688	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	17.70	0.059	17.80	0.060	17.74	0.059
20	QPSK	1	49	17.65	0.058	17.69	0.059	17.60	0.058
20	QPSK	1	99	17.72	0.059	17.76	0.060	17.79	0.060
20	QPSK	50	0	16.84	0.048	16.91	0.049	16.83	0.048
20	QPSK	50	24	16.70	0.047	16.71	0.047	16.84	0.048
20	QPSK	50	50	16.90	0.049	16.87	0.049	16.90	0.049
20	QPSK	100	0	16.74	0.047	16.82	0.048	16.76	0.047
20	16QAM	1	0	17.01	0.050	17.10	0.051	17.10	0.051
20	16QAM	1	49	17.04	0.051	17.14	0.052	17.08	0.051
20	16QAM	1	99	17.08	0.051	17.18	0.052	17.16	0.052
20	16QAM	50	0	15.69	0.037	15.80	0.038	15.81	0.038
20	16QAM	50	24	15.83	0.038	15.84	0.038	15.82	0.038
20	16QAM	50	50	15.91	0.039	15.97	0.040	15.93	0.039
20	16QAM	100	0	15.81	0.038	15.81	0.038	15.93	0.039



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	17.67	0.058	17.85	0.061	17.79	0.060
15	QPSK	1	37	17.71	0.059	17.73	0.059	17.62	0.058
15	QPSK	1	74	17.79	0.060	17.77	0.060	17.84	0.061
15	QPSK	36	0	16.66	0.046	16.92	0.049	16.82	0.048
15	QPSK	36	20	16.78	0.048	16.77	0.048	16.77	0.048
15	QPSK	36	39	16.87	0.049	16.91	0.049	16.83	0.048
15	QPSK	75	0	16.79	0.048	16.75	0.047	16.82	0.048
15	16QAM	1	0	17.02	0.050	17.05	0.051	17.04	0.051
15	16QAM	1	37	17.08	0.051	17.14	0.052	17.12	0.052
15	16QAM	1	74	17.04	0.051	17.13	0.052	17.06	0.051
15	16QAM	36	0	15.76	0.038	15.73	0.037	15.76	0.038
15	16QAM	36	20	15.85	0.038	15.84	0.038	15.84	0.038
15	16QAM	36	39	15.87	0.039	15.94	0.039	15.94	0.039
15	16QAM	75	0	15.89	0.039	15.82	0.038	15.95	0.039



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133172		133297		133422	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	17.66	0.058	17.84	0.061	17.71	0.059
10	QPSK	1	25	17.63	0.058	17.71	0.059	17.68	0.059
10	QPSK	1	49	17.78	0.060	17.78	0.060	17.83	0.061
10	QPSK	25	0	16.63	0.046	16.90	0.049	16.88	0.049
10	QPSK	25	12	16.68	0.047	16.72	0.047	16.86	0.049
10	QPSK	25	25	16.81	0.048	16.84	0.048	16.85	0.048
10	QPSK	50	0	16.83	0.048	16.83	0.048	16.85	0.048
10	16QAM	1	0	16.97	0.050	17.04	0.051	17.05	0.051
10	16QAM	1	25	17.02	0.050	17.17	0.052	17.06	0.051
10	16QAM	1	49	17.05	0.051	17.11	0.051	17.09	0.051
10	16QAM	25	0	15.74	0.037	15.77	0.038	15.79	0.038
10	16QAM	25	12	15.88	0.039	15.88	0.039	15.90	0.039
10	16QAM	25	25	15.92	0.039	15.92	0.039	15.93	0.039
10	16QAM	50	0	15.87	0.039	15.80	0.038	15.96	0.039



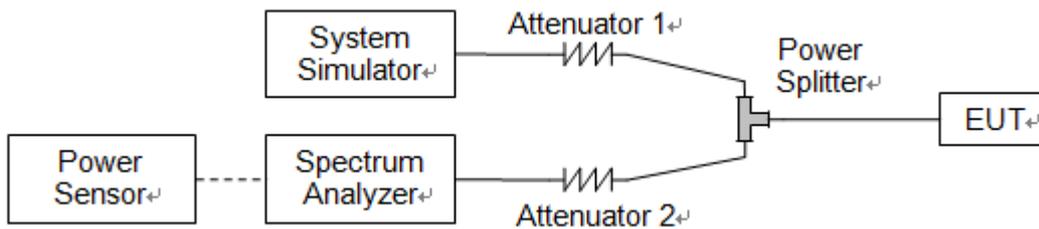
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm		dBm		dBm	
				W		W		W	
5	QPSK	1	0	17.70	0.059	17.80	0.060	17.79	0.060
5	QPSK	1	12	17.67	0.058	17.68	0.059	17.63	0.058
5	QPSK	1	24	17.78	0.060	17.75	0.060	17.75	0.060
5	QPSK	12	0	16.65	0.046	16.91	0.049	16.84	0.048
5	QPSK	12	7	16.69	0.047	16.78	0.048	16.79	0.048
5	QPSK	12	13	16.87	0.049	16.91	0.049	16.91	0.049
5	QPSK	25	0	16.83	0.048	16.79	0.048	16.84	0.048
5	16QAM	1	0	16.96	0.050	17.05	0.051	16.99	0.050
5	16QAM	1	12	17.01	0.050	17.08	0.051	17.09	0.051
5	16QAM	1	24	17.09	0.051	17.12	0.052	17.14	0.052
5	16QAM	12	0	15.68	0.037	15.74	0.037	15.81	0.038
5	16QAM	12	7	15.91	0.039	15.89	0.039	15.86	0.039
5	16QAM	12	13	15.85	0.038	15.89	0.039	15.86	0.039
5	16QAM	25	0	15.83	0.038	15.76	0.038	15.92	0.039

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	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B2	1.4	Low	18607	1850.7	QPSK	1.0934	1.2435	PASS
B2	1.4	Low	18607	1850.7	16QAM	1.0952	1.2518	PASS
B2	1.4	Mid	18900	1880	QPSK	1.0961	1.2429	PASS
B2	1.4	Mid	18900	1880	16QAM	1.0997	1.2454	PASS
B2	1.4	High	19193	1909.3	QPSK	1.0950	1.2441	PASS
B2	1.4	High	19193	1909.3	16QAM	1.0987	1.2507	PASS
B2	3	Low	18615	1851.5	QPSK	2.7190	3.0638	PASS
B2	3	Low	18615	1851.5	16QAM	2.7149	3.0649	PASS
B2	3	Mid	18900	1880	QPSK	2.7186	3.0454	PASS
B2	3	Mid	18900	1880	16QAM	2.7063	3.0377	PASS
B2	3	High	19185	1908.5	QPSK	2.7132	3.0313	PASS
B2	3	High	19185	1908.5	16QAM	2.7113	3.0425	PASS
B2	5	Low	18625	1852.5	QPSK	4.4849	4.9260	PASS
B2	5	Low	18625	1852.5	16QAM	4.4885	4.9125	PASS
B2	5	Mid	18900	1880	QPSK	4.4850	4.9285	PASS
B2	5	Mid	18900	1880	16QAM	4.4774	4.9188	PASS
B2	5	High	19175	1907.5	QPSK	4.4862	4.9274	PASS
B2	5	High	19175	1907.5	16QAM	4.4836	4.9389	PASS
B2	10	Low	18650	1855	QPSK	8.9690	9.8506	PASS
B2	10	Low	18650	1855	16QAM	8.9544	9.7792	PASS
B2	10	Mid	18900	1880	QPSK	8.9732	9.8940	PASS
B2	10	Mid	18900	1880	16QAM	8.9516	9.7830	PASS
B2	10	High	19150	1905	QPSK	8.9936	9.7685	PASS
B2	10	High	19150	1905	16QAM	8.9640	9.7752	PASS
B2	15	Low	18675	1857.5	QPSK	13.458	14.762	PASS
B2	15	Low	18675	1857.5	16QAM	13.454	14.902	PASS
B2	15	Mid	18900	1880	QPSK	13.466	14.846	PASS
B2	15	Mid	18900	1880	16QAM	13.448	14.786	PASS
B2	15	High	19125	1902.5	QPSK	13.472	14.711	PASS
B2	15	High	19125	1902.5	16QAM	13.442	14.863	PASS
B2	20	Low	18700	1860	QPSK	17.925	19.522	PASS
B2	20	Low	18700	1860	16QAM	17.942	19.628	PASS
B2	20	Mid	18900	1880	QPSK	17.948	19.675	PASS



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B2	20	Mid	18900	1880	16QAM	17.974	19.636	PASS
B2	20	High	19100	1900	QPSK	17.925	19.557	PASS
B2	20	High	19100	1900	16QAM	17.935	19.698	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B4	1.4	Low	19957	1710.7	QPSK	1.0984	1.2434	PASS
B4	1.4	Low	19957	1710.7	16QAM	1.1027	1.2538	PASS
B4	1.4	Mid	20175	1732.5	QPSK	1.0969	1.2515	PASS
B4	1.4	Mid	20175	1732.5	16QAM	1.0984	1.2451	PASS
B4	1.4	High	20393	1754.3	QPSK	1.0970	1.2507	PASS
B4	1.4	High	20393	1754.3	16QAM	1.0976	1.2448	PASS
B4	3	Low	19965	1711.5	QPSK	2.7205	3.0493	PASS
B4	3	Low	19965	1711.5	16QAM	2.7215	3.0676	PASS
B4	3	Mid	20175	1732.5	QPSK	2.7126	3.0427	PASS
B4	3	Mid	20175	1732.5	16QAM	2.7200	3.0378	PASS
B4	3	High	20385	1753.5	QPSK	2.7162	3.0335	PASS
B4	3	High	20385	1753.5	16QAM	2.7126	3.0401	PASS
B4	5	Low	19975	1712.5	QPSK	4.4771	4.9395	PASS
B4	5	Low	19975	1712.5	16QAM	4.4887	4.9215	PASS
B4	5	Mid	20175	1732.5	QPSK	4.4817	4.9539	PASS
B4	5	Mid	20175	1732.5	16QAM	4.4855	4.9247	PASS
B4	5	High	20375	1752.5	QPSK	4.4808	4.9482	PASS
B4	5	High	20375	1752.5	16QAM	4.4766	4.9257	PASS
B4	10	Low	20000	1715	QPSK	8.9804	9.8616	PASS
B4	10	Low	20000	1715	16QAM	8.9598	9.7506	PASS
B4	10	Mid	20175	1732.5	QPSK	8.9831	9.8386	PASS
B4	10	Mid	20175	1732.5	16QAM	8.9592	9.7890	PASS
B4	10	High	20350	1750	QPSK	8.9861	9.7963	PASS
B4	10	High	20350	1750	16QAM	8.9570	9.8254	PASS
B4	15	Low	20025	1717.5	QPSK	13.462	14.810	PASS
B4	15	Low	20025	1717.5	16QAM	13.446	14.946	PASS
B4	15	Mid	20175	1732.5	QPSK	13.451	14.807	PASS
B4	15	Mid	20175	1732.5	16QAM	13.448	14.842	PASS
B4	15	High	20325	1747.5	QPSK	13.479	14.674	PASS
B4	15	High	20325	1747.5	16QAM	13.460	14.928	PASS
B4	20	Low	20050	1720	QPSK	17.926	19.636	PASS
B4	20	Low	20050	1720	16QAM	17.971	19.606	PASS
B4	20	Mid	20175	1732.5	QPSK	17.929	19.547	PASS
B4	20	Mid	20175	1732.5	16QAM	17.979	19.516	PASS
B4	20	High	20300	1745	QPSK	17.941	19.598	PASS



B4	20	High	20300	1745	16QAM	17.964	19.751	PASS
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LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B5	1.4	Low	20407	824.7	QPSK	1.0966	1.2431	PASS
B5	1.4	Low	20407	824.7	16QAM	1.1003	1.2538	PASS
B5	1.4	Mid	20525	836.5	QPSK	1.0949	1.2402	PASS
B5	1.4	Mid	20525	836.5	16QAM	1.0970	1.2510	PASS
B5	1.4	High	20643	848.3	QPSK	1.0970	1.2399	PASS
B5	1.4	High	20643	848.3	16QAM	1.0952	1.2470	PASS
B5	3	Low	20415	825.5	QPSK	2.7189	3.0508	PASS
B5	3	Low	20415	825.5	16QAM	2.7122	3.0476	PASS
B5	3	Mid	20525	836.5	QPSK	2.7172	3.0516	PASS
B5	3	Mid	20525	836.5	16QAM	2.7109	3.0350	PASS
B5	3	High	20635	847.5	QPSK	2.7125	3.0486	PASS
B5	3	High	20635	847.5	16QAM	2.7044	3.0443	PASS
B5	5	Low	20425	826.5	QPSK	4.4824	4.9191	PASS
B5	5	Low	20425	826.5	16QAM	4.4851	4.9300	PASS
B5	5	Mid	20525	836.5	QPSK	4.4905	4.9384	PASS
B5	5	Mid	20525	836.5	16QAM	4.4846	4.9680	PASS
B5	5	High	20625	846.5	QPSK	4.4831	4.9126	PASS
B5	5	High	20625	846.5	16QAM	4.4834	4.9208	PASS
B5	10	Low	20450	829	QPSK	8.9893	9.8281	PASS
B5	10	Low	20450	829	16QAM	8.9370	9.7721	PASS
B5	10	Mid	20525	836.5	QPSK	8.9830	9.7923	PASS
B5	10	Mid	20525	836.5	16QAM	8.9639	9.8117	PASS
B5	10	High	20600	844	QPSK	8.9832	9.7705	PASS
B5	10	High	20600	844	16QAM	8.9592	9.7930	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B7	5	Low	20775	2502.5	QPSK	4.4914	4.9504	PASS
B7	5	Low	20775	2502.5	16QAM	4.4910	4.9501	PASS
B7	5	Mid	21100	2535	QPSK	4.4865	4.9481	PASS
B7	5	Mid	21100	2535	16QAM	4.4916	4.9096	PASS
B7	5	High	21425	2567.5	QPSK	4.4905	4.9657	PASS
B7	5	High	21425	2567.5	16QAM	4.4944	4.9650	PASS
B7	10	Low	20800	2505	QPSK	8.9834	9.8420	PASS
B7	10	Low	20800	2505	16QAM	8.9574	9.7767	PASS
B7	10	Mid	21100	2535	QPSK	8.9934	9.8066	PASS
B7	10	Mid	21100	2535	16QAM	8.9555	9.7528	PASS
B7	10	High	21400	2565	QPSK	9.0143	9.8788	PASS
B7	10	High	21400	2565	16QAM	8.9709	9.8737	PASS
B7	15	Low	20825	2507.5	QPSK	13.474	14.841	PASS
B7	15	Low	20825	2507.5	16QAM	13.472	14.836	PASS
B7	15	Mid	21100	2535	QPSK	13.480	14.901	PASS
B7	15	Mid	21100	2535	16QAM	13.439	14.761	PASS
B7	15	High	21375	2562.5	QPSK	13.469	14.842	PASS
B7	15	High	21375	2562.5	16QAM	13.468	14.913	PASS
B7	20	Low	20850	2510	QPSK	17.956	19.570	PASS
B7	20	Low	20850	2510	16QAM	17.979	19.585	PASS
B7	20	Mid	21100	2535	QPSK	17.938	19.636	PASS
B7	20	Mid	21100	2535	16QAM	17.959	19.781	PASS
B7	20	High	21350	2560	QPSK	17.936	19.666	PASS
B7	20	High	21350	2560	16QAM	17.938	19.590	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B12	1.4	Low	23017	699.7	QPSK	1.0958	1.2413	PASS
B12	1.4	Low	23017	699.7	16QAM	1.0969	1.2497	PASS
B12	1.4	Mid	23095	707.5	QPSK	1.0966	1.2540	PASS
B12	1.4	Mid	23095	707.5	16QAM	1.0981	1.2492	PASS
B12	1.4	High	23173	715.3	QPSK	1.0961	1.2425	PASS
B12	1.4	High	23173	715.3	16QAM	1.0998	1.2470	PASS
B12	3	Low	23025	700.5	QPSK	2.7123	3.0534	PASS
B12	3	Low	23025	700.5	16QAM	2.7174	3.0372	PASS
B12	3	Mid	23095	707.5	QPSK	2.7164	3.0489	PASS
B12	3	Mid	23095	707.5	16QAM	2.7203	3.0472	PASS
B12	3	High	23165	714.5	QPSK	2.7178	3.0515	PASS
B12	3	High	23165	714.5	16QAM	2.7233	3.0550	PASS
B12	5	Low	23035	701.5	QPSK	4.4858	4.9358	PASS
B12	5	Low	23035	701.5	16QAM	4.4874	4.9469	PASS
B12	5	Mid	23095	707.5	QPSK	4.4821	4.9347	PASS
B12	5	Mid	23095	707.5	16QAM	4.4876	4.9706	PASS
B12	5	High	23155	713.5	QPSK	4.4794	4.9373	PASS
B12	5	High	23155	713.5	16QAM	4.4927	4.9311	PASS
B12	10	Low	23060	704	QPSK	9.0018	9.9021	PASS
B12	10	Low	23060	704	16QAM	8.9766	9.8047	PASS
B12	10	Mid	23095	707.5	QPSK	8.9843	9.8060	PASS
B12	10	Mid	23095	707.5	16QAM	8.9525	9.7933	PASS
B12	10	High	23130	711	QPSK	8.9388	9.8212	PASS
B12	10	High	23130	711	16QAM	8.9317	9.7415	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B17	5	Low	23755	706.5	QPSK	4.4964	4.9348	PASS
B17	5	Low	23755	706.5	16QAM	4.4862	4.9215	PASS
B17	5	Mid	23790	710	QPSK	4.4747	4.9087	PASS
B17	5	Mid	23790	710	16QAM	4.4728	4.9392	PASS
B17	5	High	23825	713.5	QPSK	4.4797	4.9254	PASS
B17	5	High	23825	713.5	16QAM	4.4843	4.8989	PASS
B17	10	Low	23780	709	QPSK	8.9660	9.7878	PASS
B17	10	Low	23780	709	16QAM	8.9374	9.7066	PASS
B17	10	Mid	23790	710	QPSK	8.9646	9.7622	PASS
B17	10	Mid	23790	710	16QAM	8.9274	9.6794	PASS
B17	10	High	23800	711	QPSK	8.9631	9.8090	PASS
B17	10	High	23800	711	16QAM	8.9327	9.7138	PASS

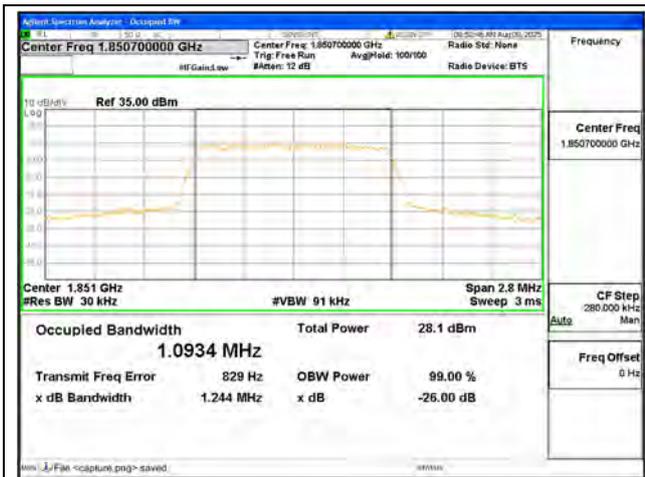


LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B66	1.4	Low	131979	1710.7	QPSK	1.0988	1.2449	PASS
B66	1.4	Low	131979	1710.7	16QAM	1.0970	1.2418	PASS
B66	1.4	Mid	132322	1745	QPSK	1.0997	1.2467	PASS
B66	1.4	Mid	132322	1745	16QAM	1.0987	1.2502	PASS
B66	1.4	High	132665	1779.3	QPSK	1.0989	1.2440	PASS
B66	1.4	High	132665	1779.3	16QAM	1.0942	1.2504	PASS
B66	3	Low	131987	1711.5	QPSK	2.7125	3.0496	PASS
B66	3	Low	131987	1711.5	16QAM	2.7200	3.0507	PASS
B66	3	Mid	132322	1745	QPSK	2.7138	3.0433	PASS
B66	3	Mid	132322	1745	16QAM	2.7234	3.0362	PASS
B66	3	High	132657	1778.5	QPSK	2.7182	3.0708	PASS
B66	3	High	132657	1778.5	16QAM	2.7180	3.0468	PASS
B66	5	Low	131997	1712.5	QPSK	4.4822	4.9447	PASS
B66	5	Low	131997	1712.5	16QAM	4.4834	4.9532	PASS
B66	5	Mid	132322	1745	QPSK	4.4823	4.9324	PASS
B66	5	Mid	132322	1745	16QAM	4.4828	4.9281	PASS
B66	5	High	132647	1777.5	QPSK	4.4854	4.9242	PASS
B66	5	High	132647	1777.5	16QAM	4.4875	4.9604	PASS
B66	10	Low	132022	1715	QPSK	8.9870	9.8077	PASS
B66	10	Low	132022	1715	16QAM	8.9531	9.6964	PASS
B66	10	Mid	132322	1745	QPSK	8.9802	9.8501	PASS
B66	10	Mid	132322	1745	16QAM	8.9598	9.7522	PASS
B66	10	High	132622	1775	QPSK	8.9581	9.8067	PASS
B66	10	High	132622	1775	16QAM	8.9652	9.7745	PASS
B66	15	Low	132047	1717.5	QPSK	13.425	14.775	PASS
B66	15	Low	132047	1717.5	16QAM	13.452	14.800	PASS
B66	15	Mid	132322	1745	QPSK	13.464	14.741	PASS
B66	15	Mid	132322	1745	16QAM	13.459	14.845	PASS
B66	15	High	132597	1772.5	QPSK	13.431	14.793	PASS
B66	15	High	132597	1772.5	16QAM	13.458	14.909	PASS
B66	20	Low	132072	1720	QPSK	17.931	19.610	PASS
B66	20	Low	132072	1720	16QAM	17.902	19.625	PASS
B66	20	Mid	132322	1745	QPSK	17.963	19.602	PASS
B66	20	Mid	132322	1745	16QAM	17.966	19.721	PASS
B66	20	High	132572	1770	QPSK	17.932	19.617	PASS



B66	20	High	132572	1770	16QAM	17.960	19.544	PASS
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LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B71	5	Low	133147	665.5	QPSK	4.4865	4.9152	PASS
B71	5	Low	133147	665.5	16QAM	4.4892	4.9707	PASS
B71	5	Mid	133297	680.5	QPSK	4.4853	4.9286	PASS
B71	5	Mid	133297	680.5	16QAM	4.4960	4.9468	PASS
B71	5	High	133447	695.5	QPSK	4.4746	4.9109	PASS
B71	5	High	133447	695.5	16QAM	4.4877	4.9302	PASS
B71	10	Low	133172	668	QPSK	8.9751	9.8269	PASS
B71	10	Low	133172	668	16QAM	8.9557	9.7823	PASS
B71	10	Mid	133297	680.5	QPSK	8.9822	9.8149	PASS
B71	10	Mid	133297	680.5	16QAM	8.9565	9.6935	PASS
B71	10	High	133422	693	QPSK	9.0032	9.8687	PASS
B71	10	High	133422	693	16QAM	8.9609	9.7471	PASS
B71	15	Low	133197	670.5	QPSK	13.416	14.717	PASS
B71	15	Low	133197	670.5	16QAM	13.407	14.685	PASS
B71	15	Mid	133297	680.5	QPSK	13.443	14.758	PASS
B71	15	Mid	133297	680.5	16QAM	13.471	14.898	PASS
B71	15	High	133397	690.5	QPSK	13.451	14.730	PASS
B71	15	High	133397	690.5	16QAM	13.450	14.771	PASS
B71	20	Low	133222	673	QPSK	17.926	19.485	PASS
B71	20	Low	133222	673	16QAM	17.974	19.666	PASS
B71	20	Mid	133322	683	QPSK	17.887	19.507	PASS
B71	20	Mid	133322	683	16QAM	17.913	19.529	PASS
B71	20	High	133372	688	QPSK	17.882	19.484	PASS
B71	20	High	133372	688	16QAM	17.940	19.596	PASS



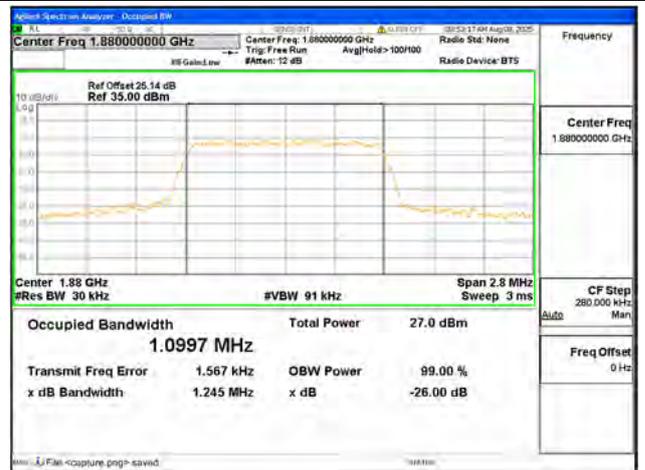
B2 / 1.4MHz / QPSK/ Low CH



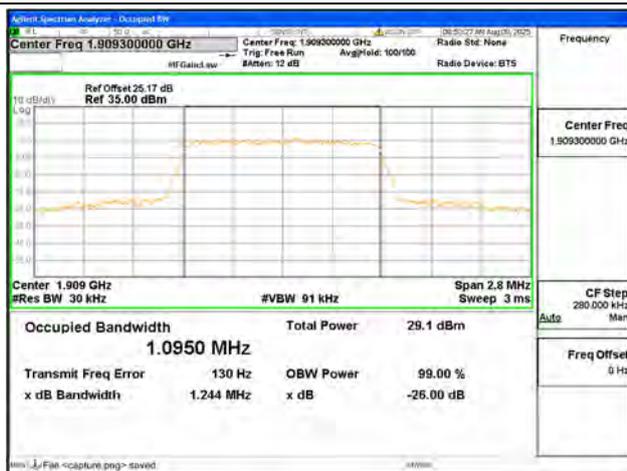
B2 / 1.4MHz / 16QAM/ Low CH



B2 / 1.4MHz / QPSK/ Mid CH



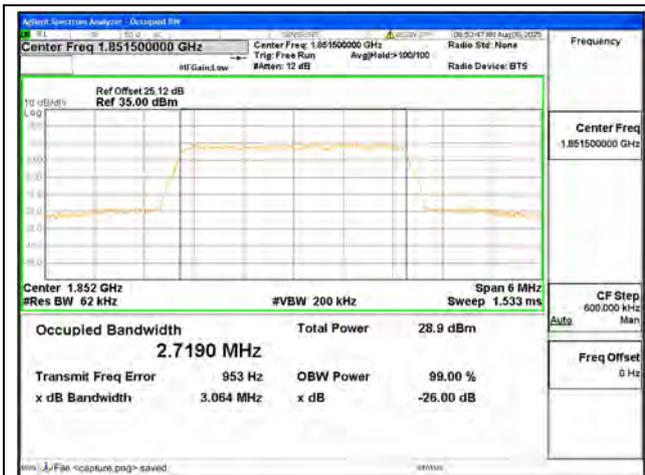
B2 / 1.4MHz / 16QAM/ Mid CH



B2 / 1.4MHz / QPSK/ High CH



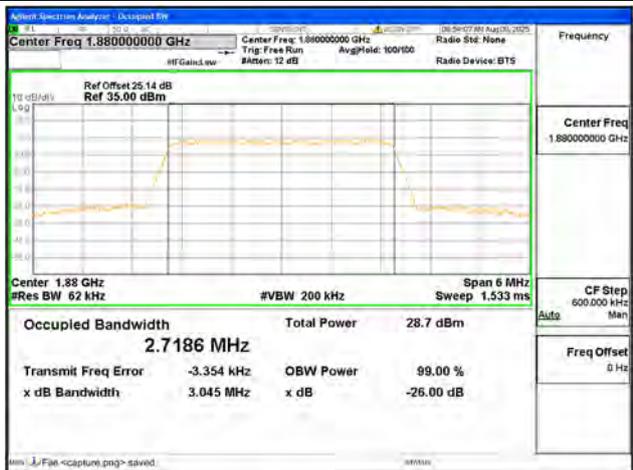
B2 / 1.4MHz / 16QAM/ High CH



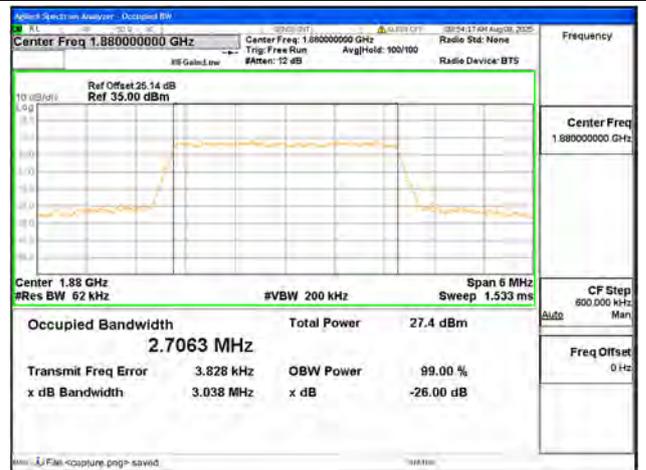
B2 / 3MHz / QPSK/ Low CH



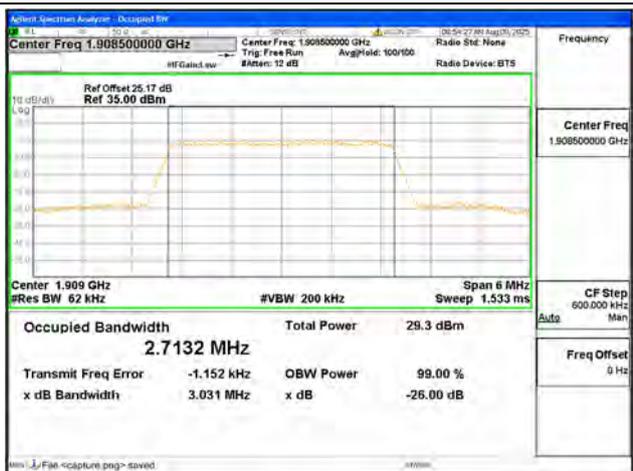
B2 / 3MHz / 16QAM/ Low CH



B2 / 3MHz / QPSK/ Mid CH



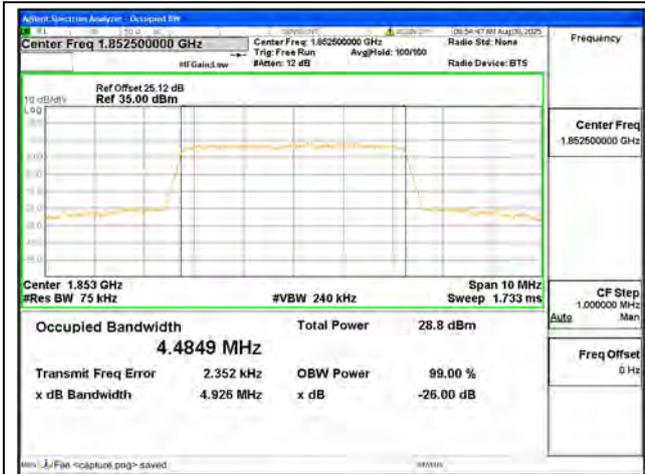
B2 / 3MHz / 16QAM/ Mid CH



B2 / 3MHz / QPSK/ High CH



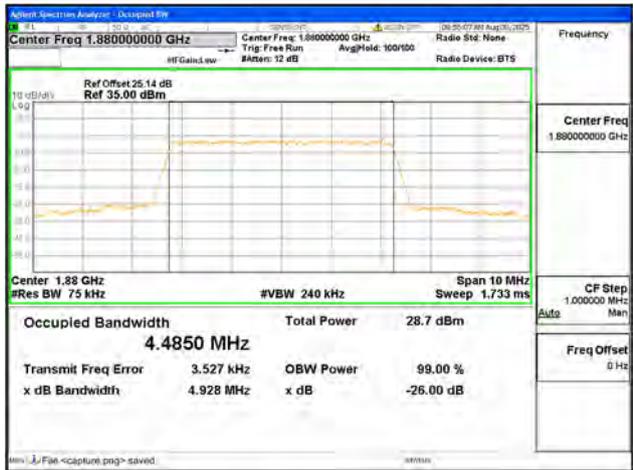
B2 / 3MHz / 16QAM/ High CH



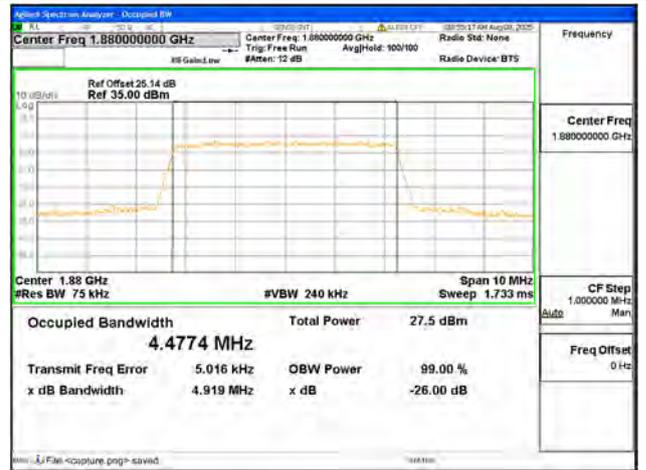
B2 / 5MHz / QPSK/ Low CH



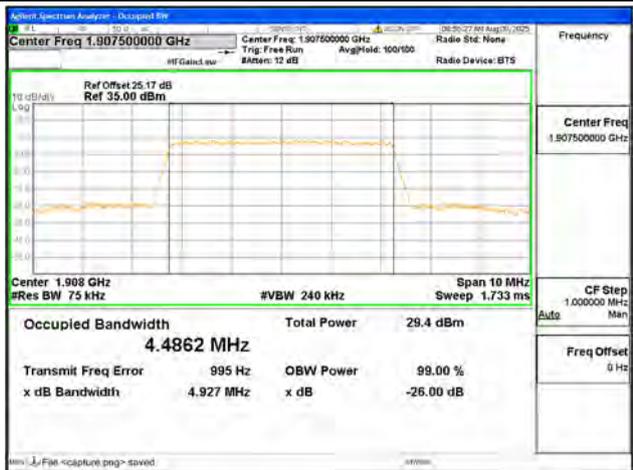
B2 / 5MHz / 16QAM/ Low CH



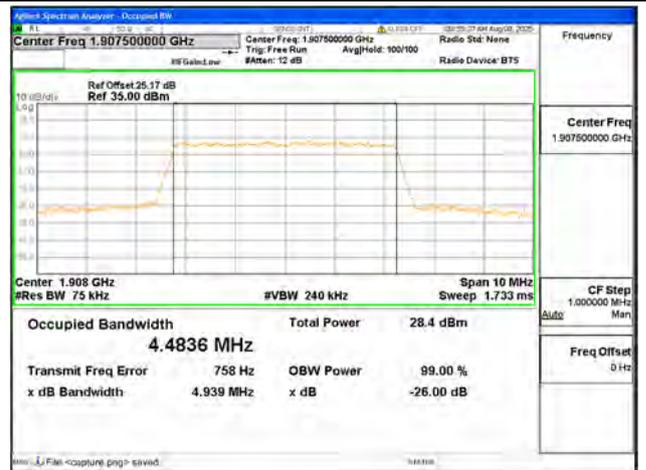
B2 / 5MHz / QPSK/ Mid CH



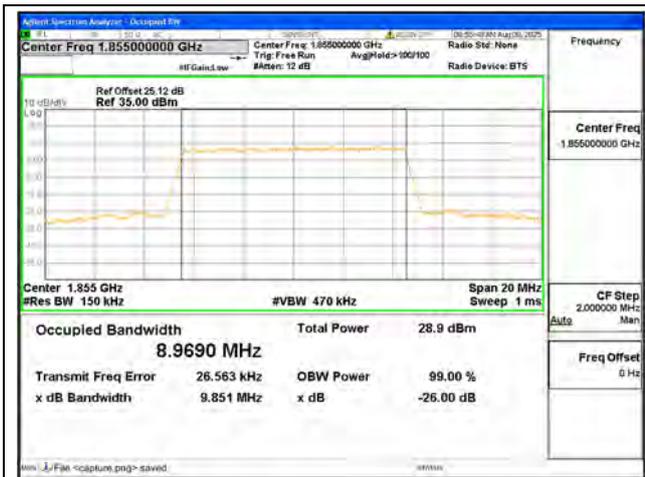
B2 / 5MHz / 16QAM/ Mid CH



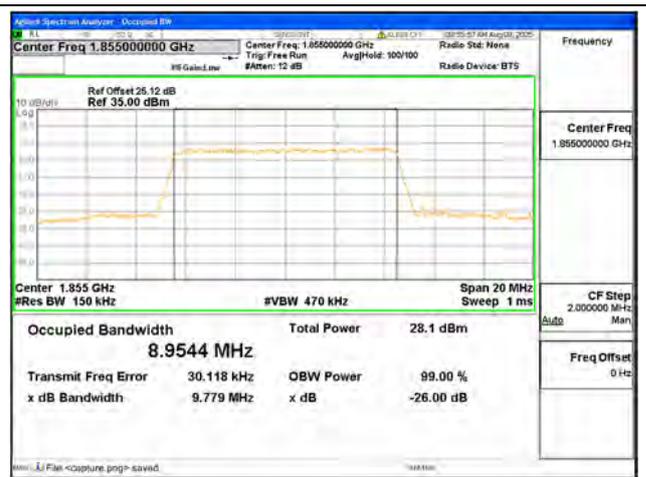
B2 / 5MHz / QPSK/ High CH



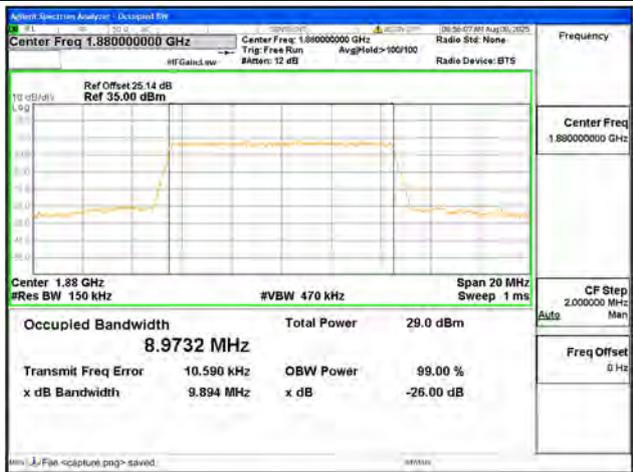
B2 / 5MHz / 16QAM/ High CH



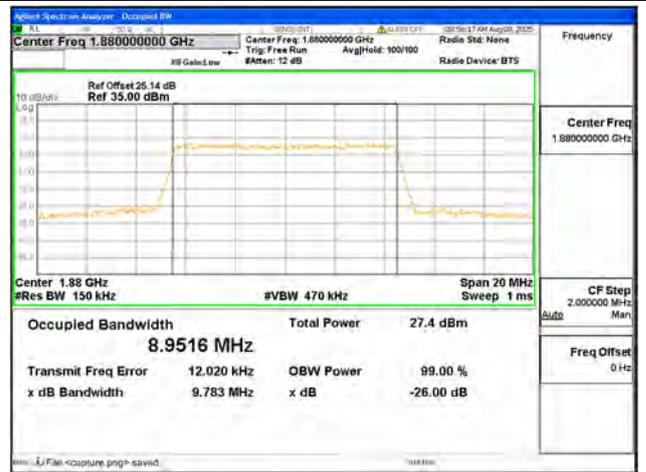
B2 / 10MHz / QPSK/ Low CH



B2 / 10MHz / 16QAM/ Low CH



B2 / 10MHz / QPSK/ Mid CH



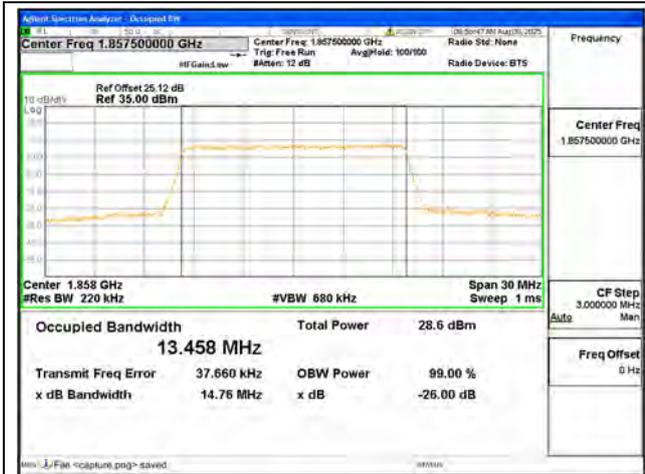
B2 / 10MHz / 16QAM/ Mid CH



B2 / 10MHz / QPSK/ High CH



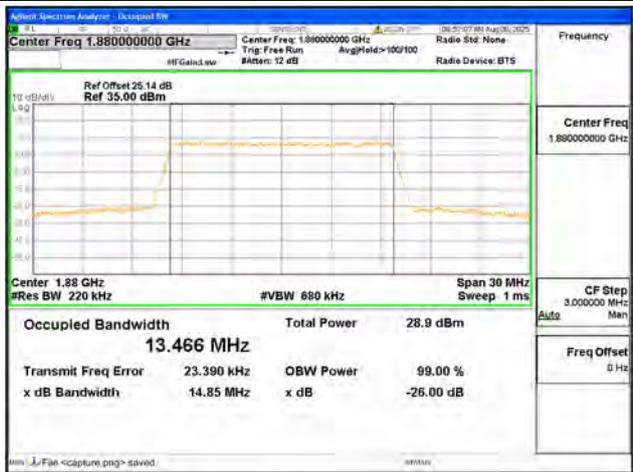
B2 / 10MHz / 16QAM/ High CH



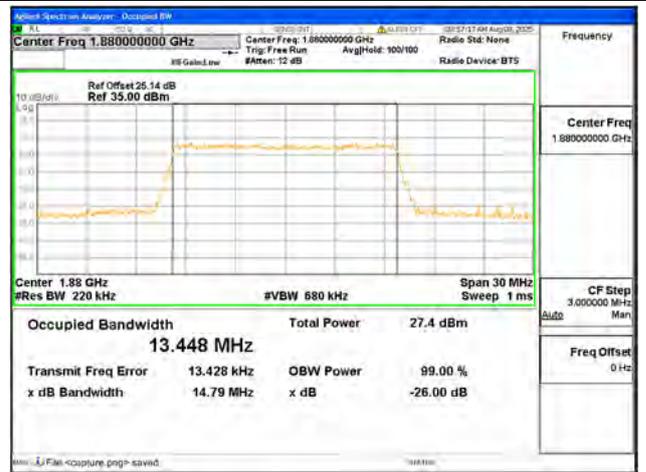
B2 / 15MHz / QPSK/ Low CH



B2 / 15MHz / 16QAM/ Low CH



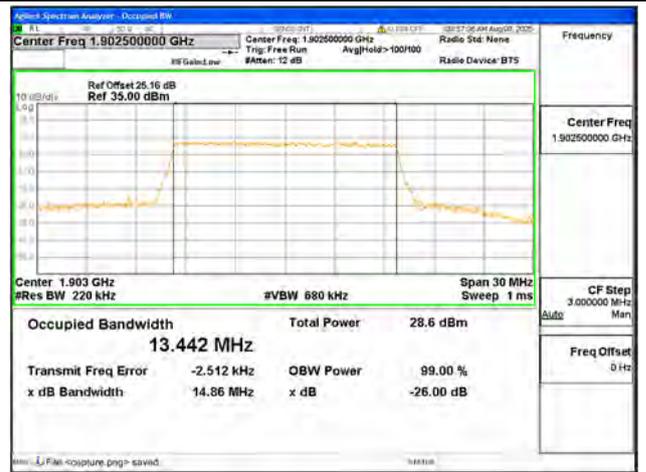
B2 / 15MHz / QPSK/ Mid CH



B2 / 15MHz / 16QAM/ Mid CH



B2 / 15MHz / QPSK/ High CH



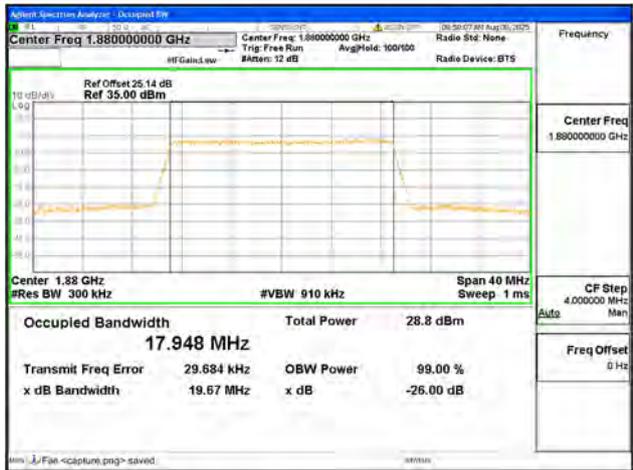
B2 / 15MHz / 16QAM/ High CH



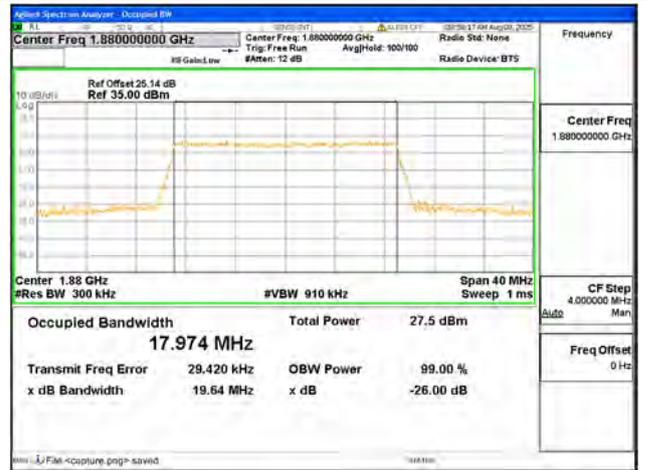
B2 / 20MHz / QPSK/ Low CH



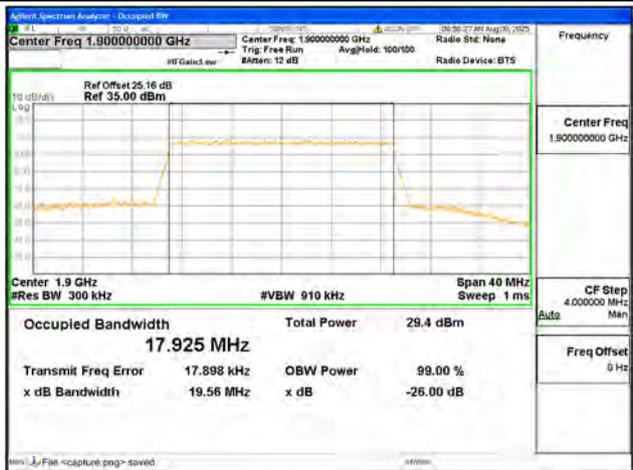
B2 / 20MHz / 16QAM/ Low CH



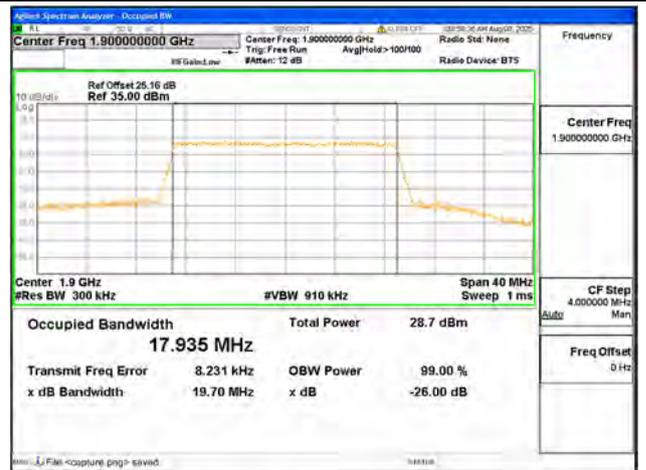
B2 / 20MHz / QPSK/ Mid CH



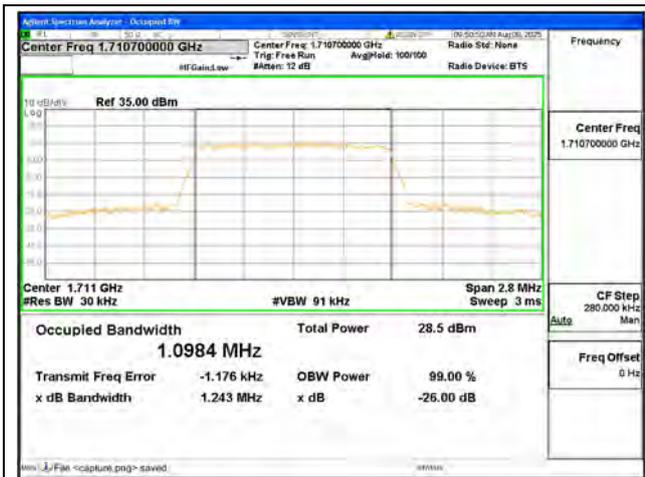
B2 / 20MHz / 16QAM/ Mid CH



B2 / 20MHz / QPSK/ High CH



B2 / 20MHz / 16QAM/ High CH



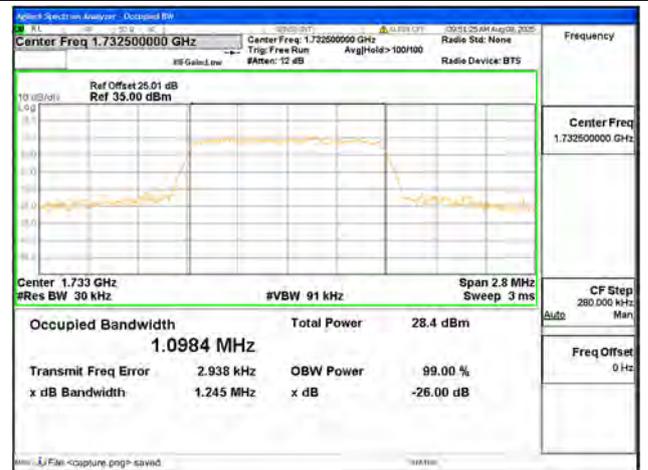
B4 / 1.4MHz / QPSK/ Low CH



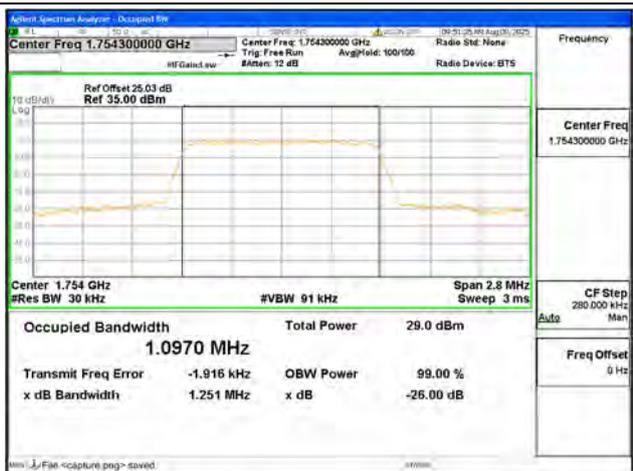
B4 / 1.4MHz / 16QAM/ Low CH



B4 / 1.4MHz / QPSK/ Mid CH



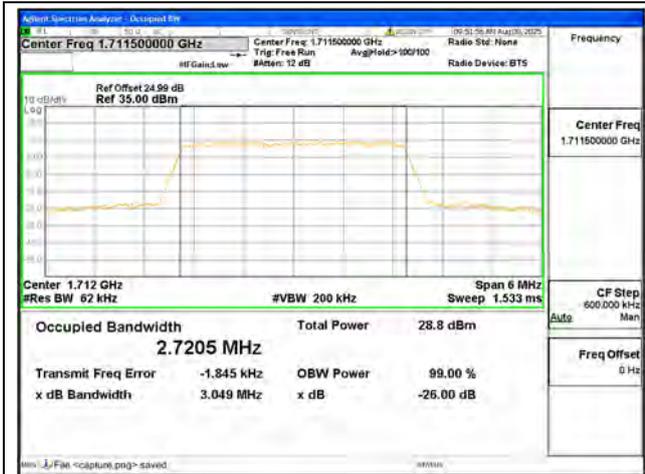
B4 / 1.4MHz / 16QAM/ Mid CH



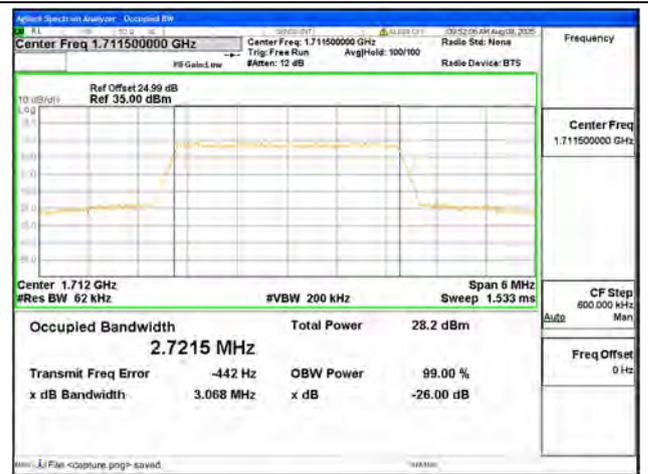
B4 / 1.4MHz / QPSK/ High CH



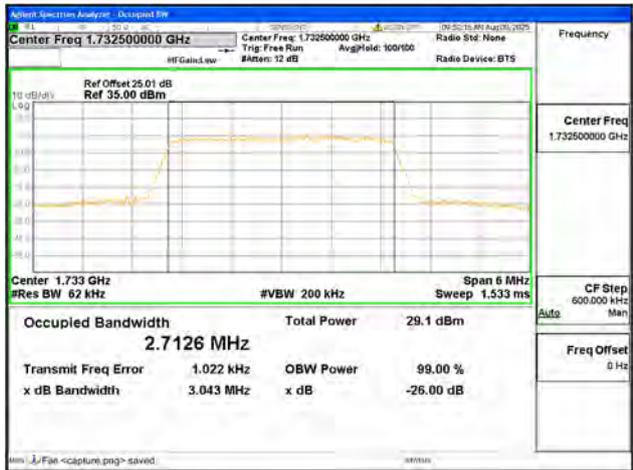
B4 / 1.4MHz / 16QAM/ High CH



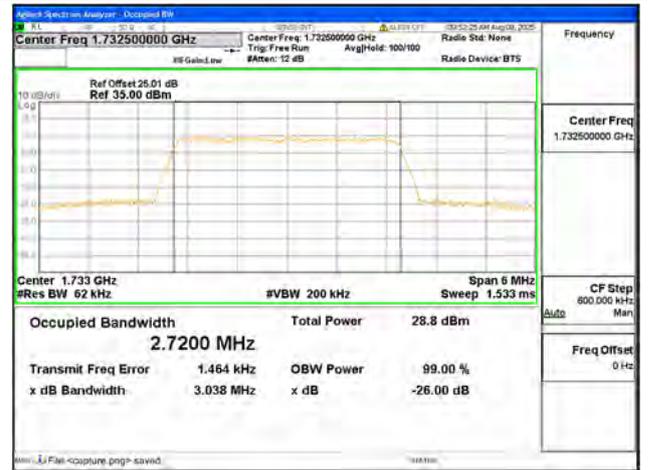
B4 / 3MHz / QPSK/ Low CH



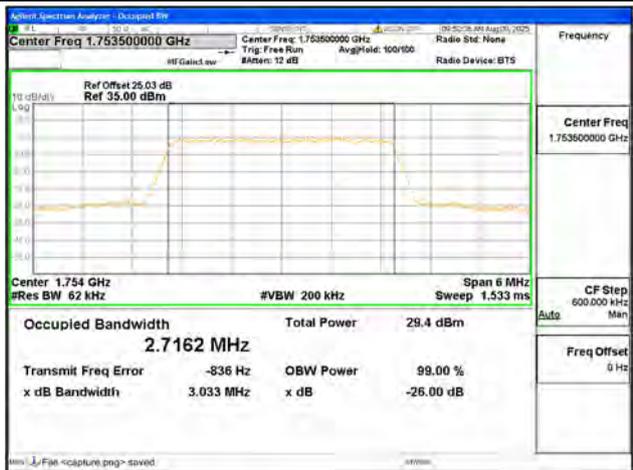
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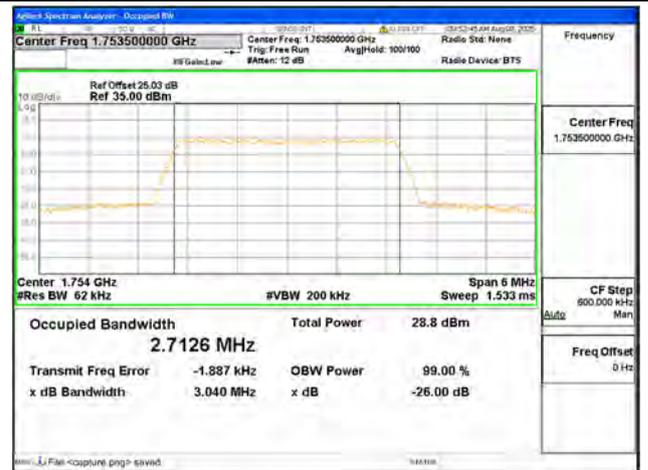
B4 / 3MHz / QPSK/ Mid CH



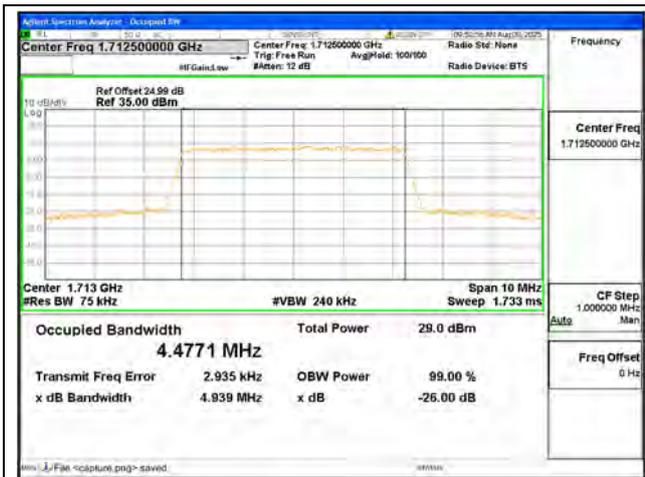
B4 / 3MHz / 16QAM/ Mid CH



B4 / 3MHz / QPSK/ High CH



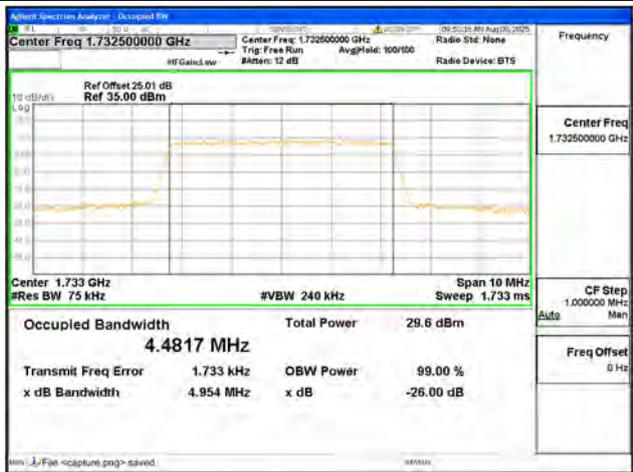
B4 / 3MHz / 16QAM/ High CH



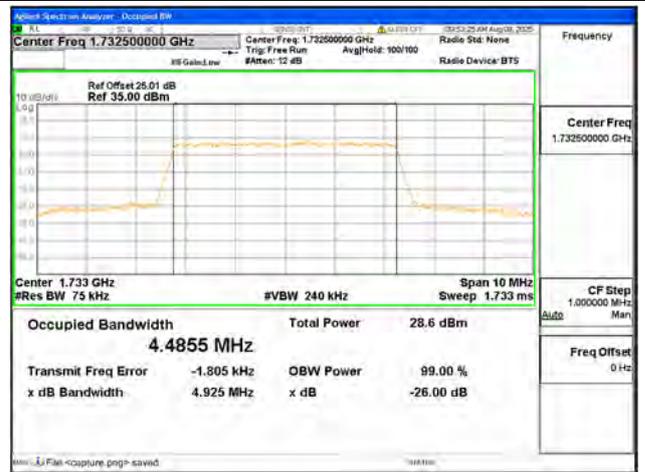
B4 / 5MHz / QPSK/ Low CH



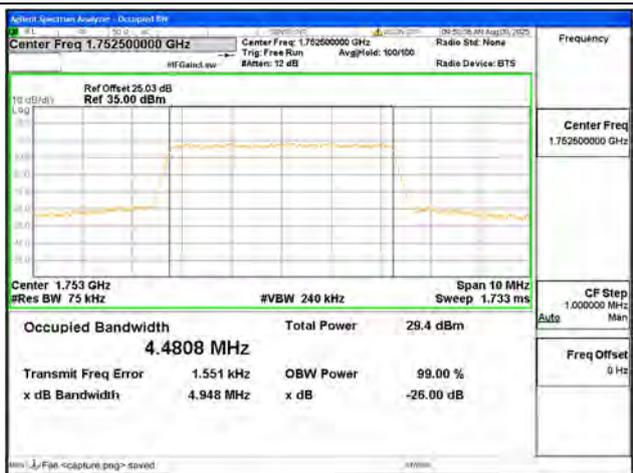
B4 / 5MHz / 16QAM/ Low CH



B4 / 5MHz / QPSK/ Mid CH



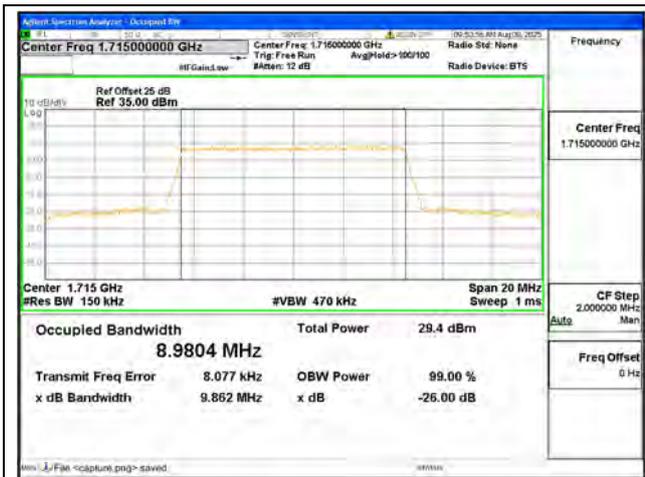
B4 / 5MHz / 16QAM/ Mid CH



B4 / 5MHz / QPSK/ High CH



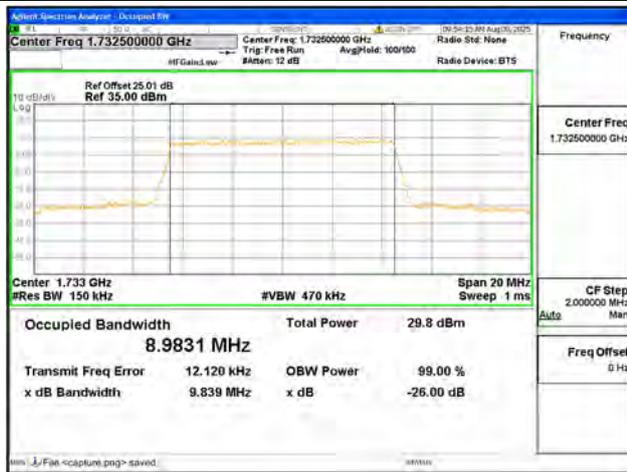
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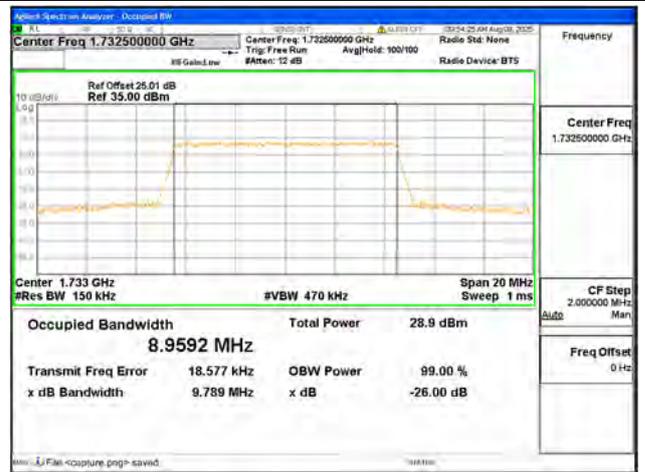
B4 / 10MHz / QPSK/ Low CH



B4 / 10MHz / 16QAM/ Low CH



B4 / 10MHz / QPSK/ Mid CH



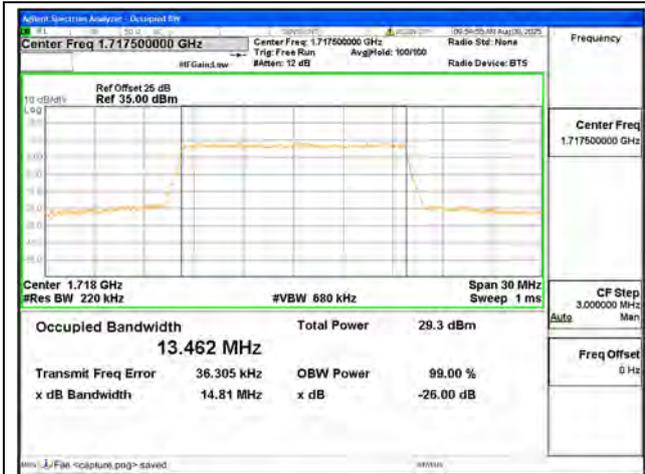
B4 / 10MHz / 16QAM/ Mid CH



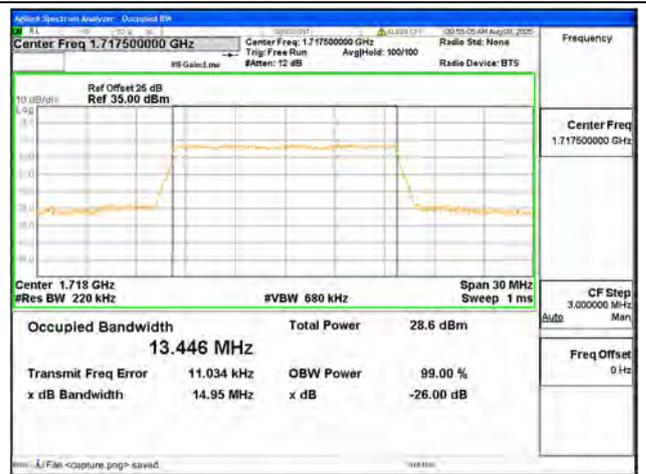
B4 / 10MHz / QPSK/ High CH



B4 / 10MHz / 16QAM/ High CH



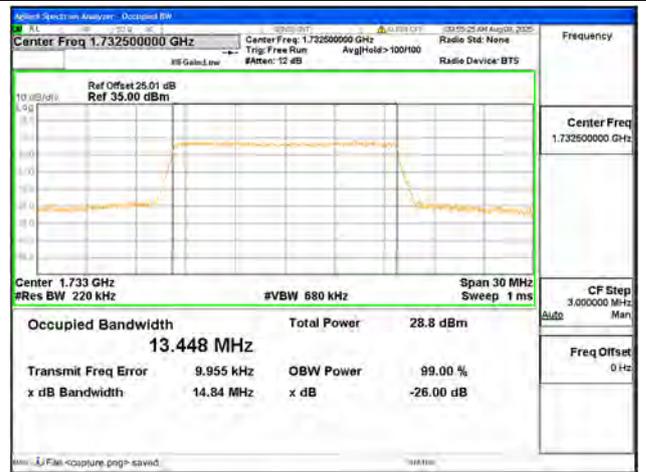
B4 / 15MHz / QPSK/ Low CH



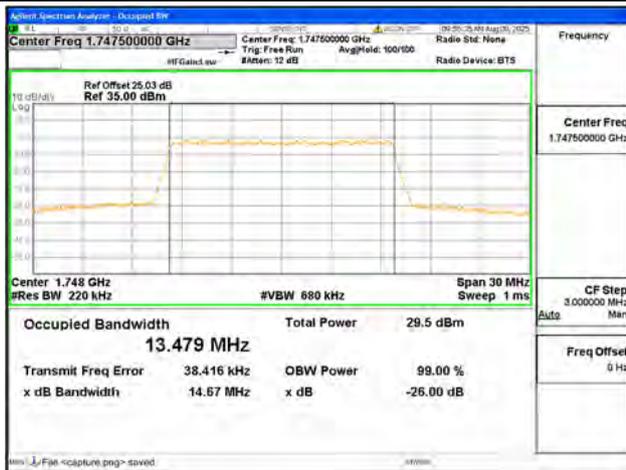
B4 / 15MHz / 16QAM/ Low CH



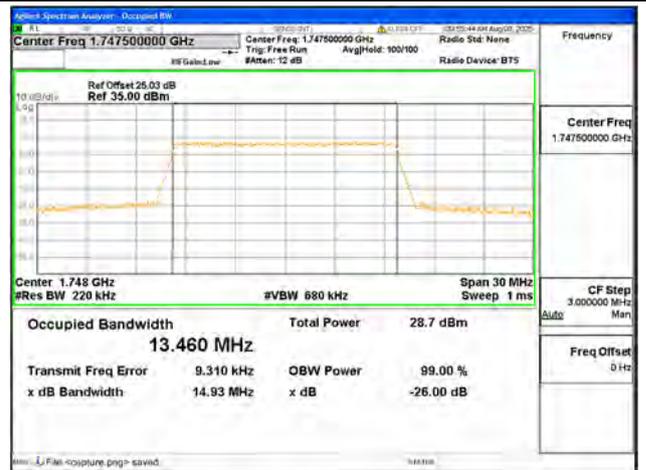
B4 / 15MHz / QPSK/ Mid CH



B4 / 15MHz / 16QAM/ Mid CH



B4 / 15MHz / QPSK/ High CH



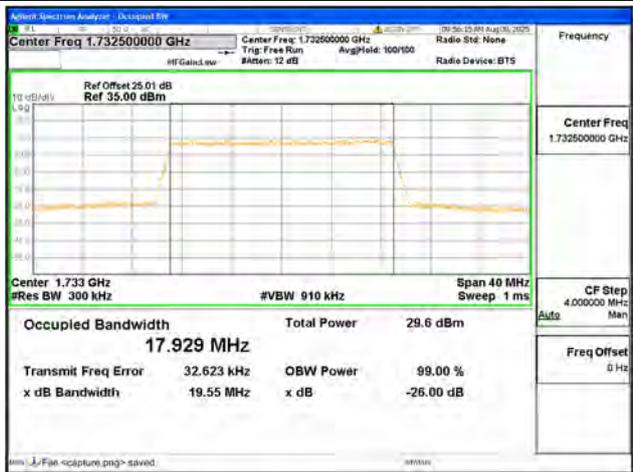
B4 / 15MHz / 16QAM/ High CH



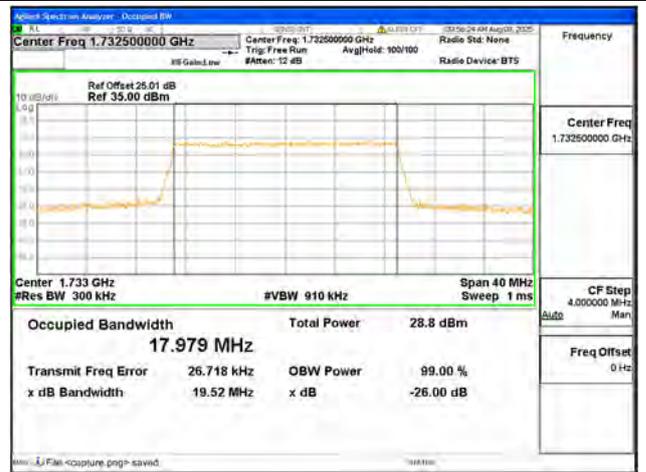
B4 / 20MHz / QPSK/ Low CH



B4 / 20MHz / 16QAM/ Low CH



B4 / 20MHz / QPSK/ Mid CH



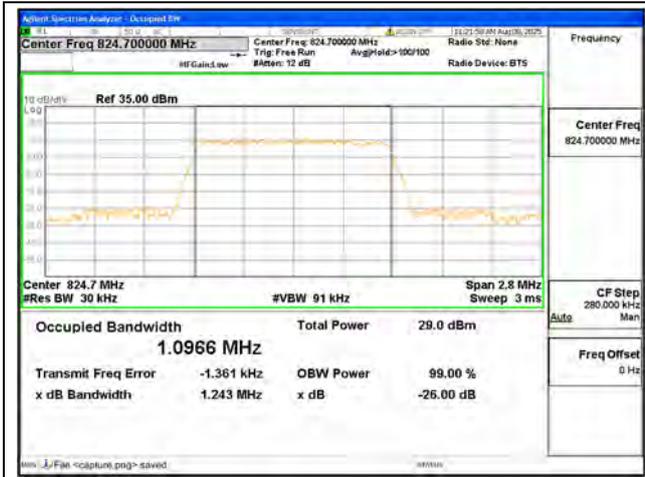
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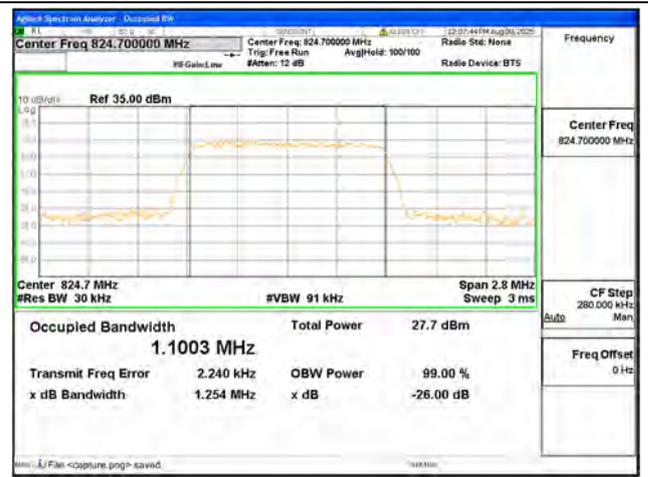
B4 / 20MHz / QPSK/ High CH



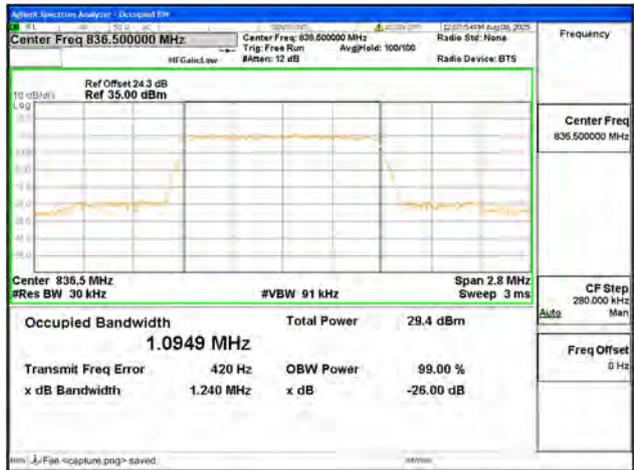
B4 / 20MHz / 16QAM/ High CH



B5 / 1.4MHz / QPSK/ Low CH



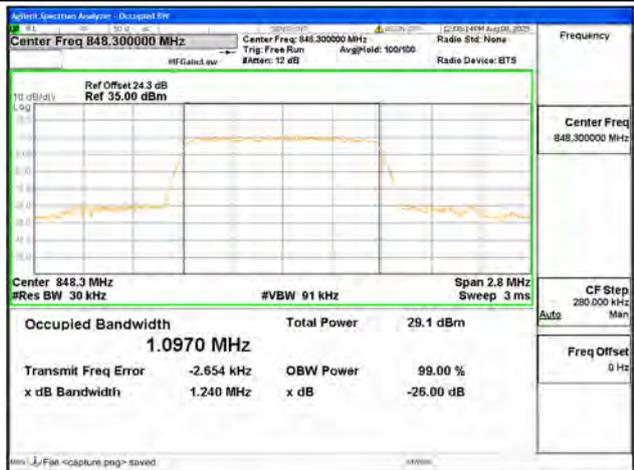
B5 / 1.4MHz / 16QAM/ Low CH



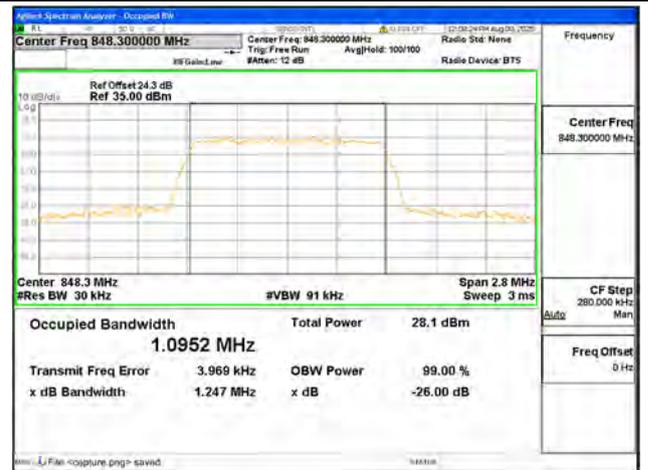
B5 / 1.4MHz / QPSK/ Mid CH



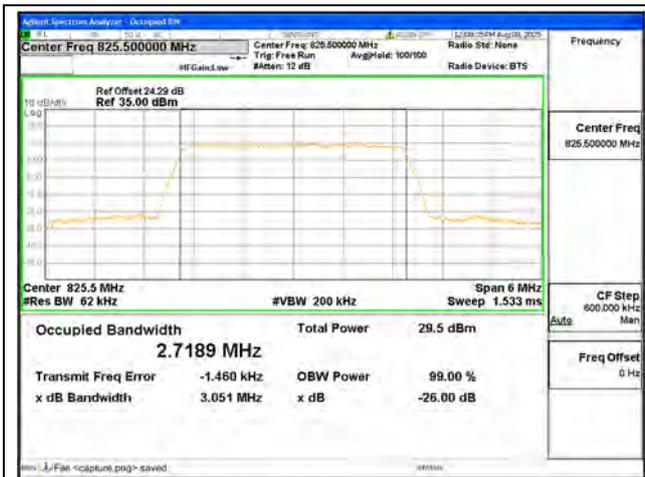
B5 / 1.4MHz / 16QAM/ Mid CH



B5 / 1.4MHz / QPSK/ High CH



B5 / 1.4MHz / 16QAM/ High CH



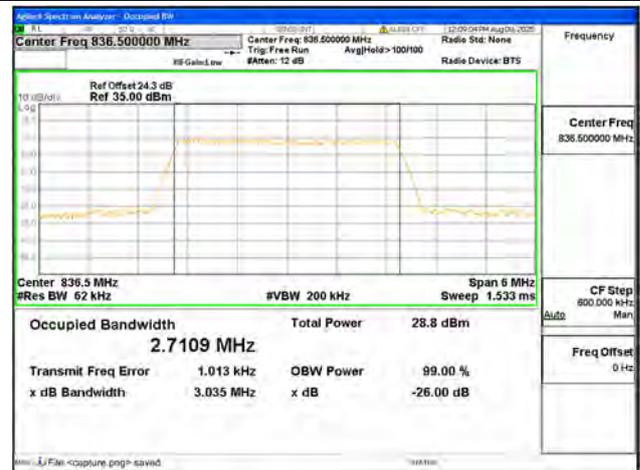
B5 / 3MHz / QPSK/ Low CH



B5 / 3MHz / 16QAM/ Low CH



B5 / 3MHz / QPSK/ Mid CH



B5 / 3MHz / 16QAM/ Mid CH



B5 / 3MHz / QPSK/ High CH



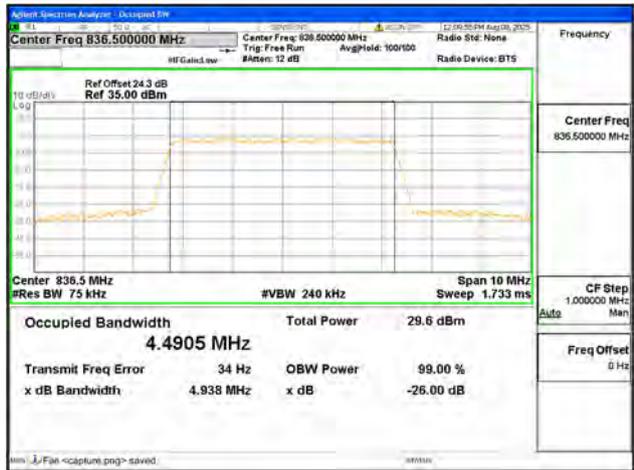
B5 / 3MHz / 16QAM/ High CH



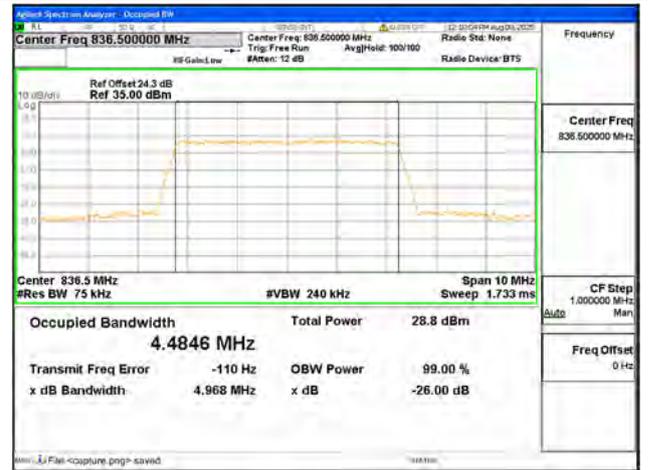
B5 / 5MHz / QPSK/ Low CH



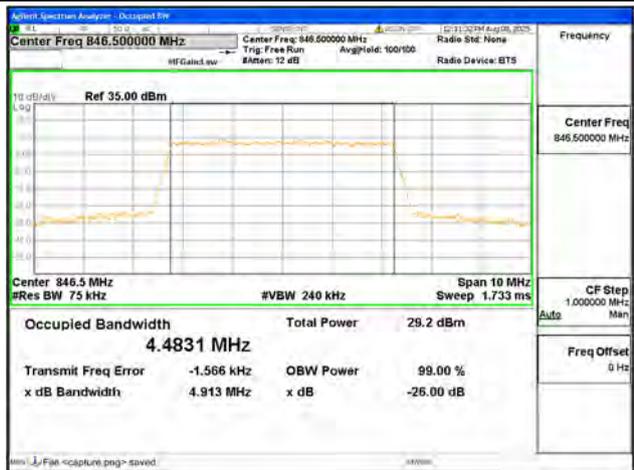
B5 / 5MHz / 16QAM/ Low CH



B5 / 5MHz / QPSK/ Mid CH



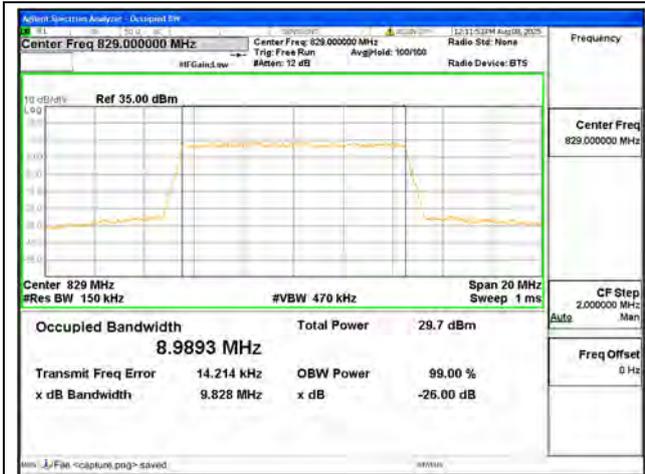
B5 / 5MHz / 16QAM/ Mid CH



B5 / 5MHz / QPSK/ High CH



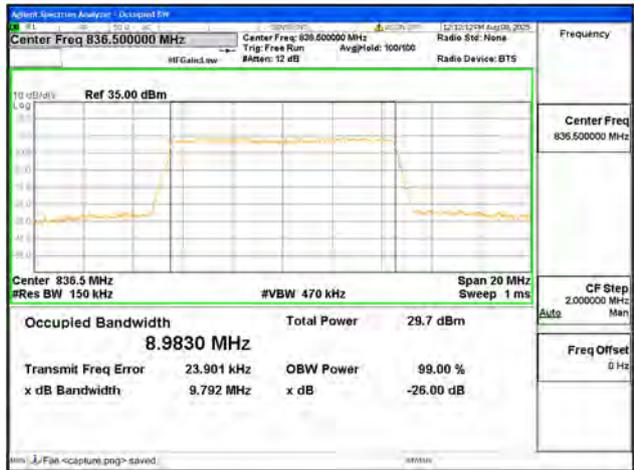
B5 / 5MHz / 16QAM/ High CH



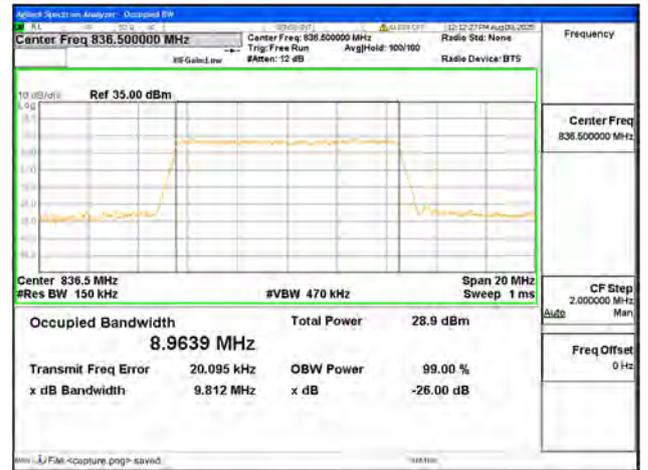
B5 / 10MHz / QPSK/ Low CH



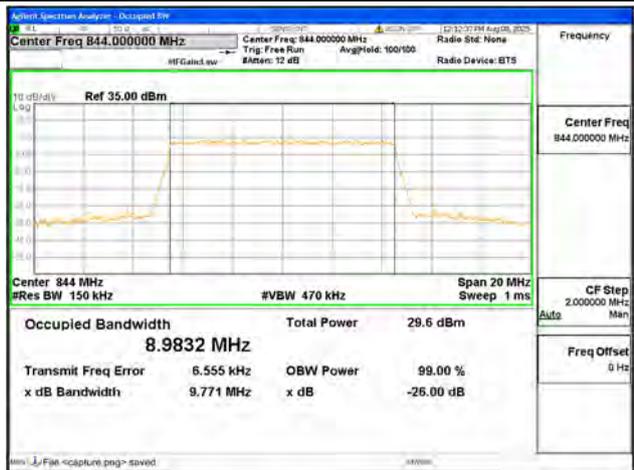
B5 / 10MHz / 16QAM/ Low CH



B5 / 10MHz / QPSK/ Mid CH



B5 / 10MHz / 16QAM/ Mid CH



B5 / 10MHz / QPSK/ High CH



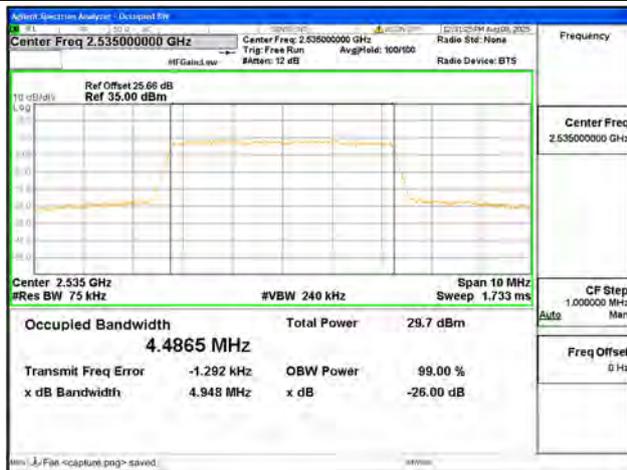
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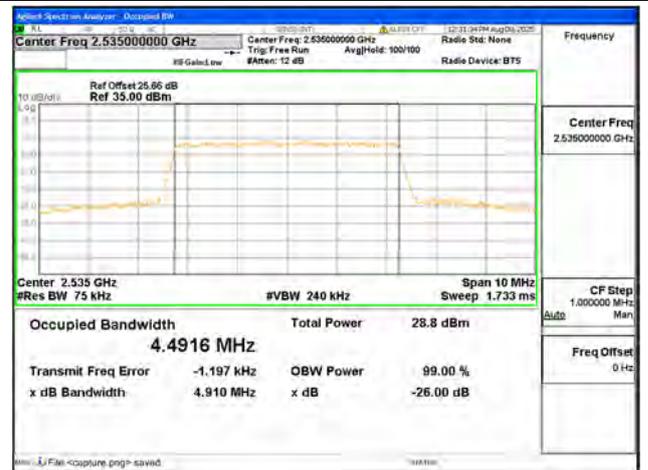
B7 / 5MHz / QPSK/ Low CH



B7 / 5MHz / 16QAM/ Low CH



B7 / 5MHz / QPSK/ Mid CH



B7 / 5MHz / 16QAM/ Mid CH



B7 / 5MHz / QPSK/ High CH



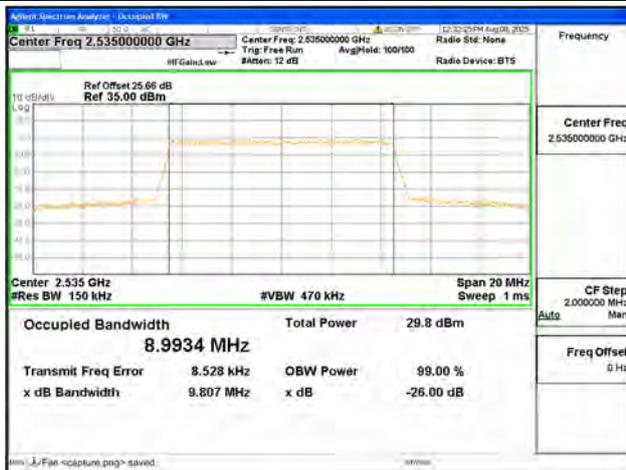
B7 / 5MHz / 16QAM/ High CH



B7 / 10MHz / QPSK/ Low CH



B7 / 10MHz / 16QAM/ Low CH



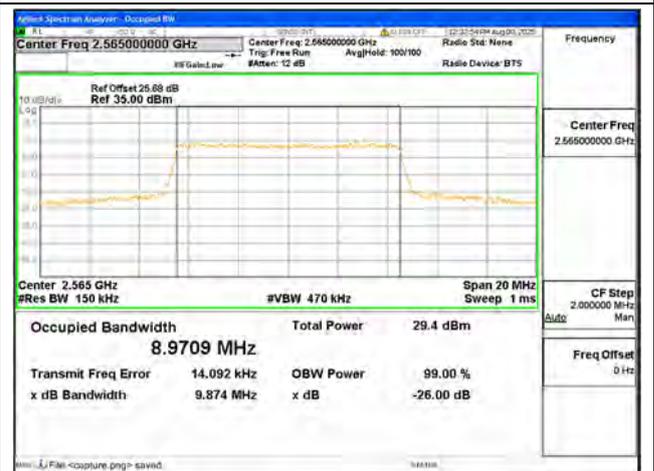
B7 / 10MHz / QPSK/ Mid CH



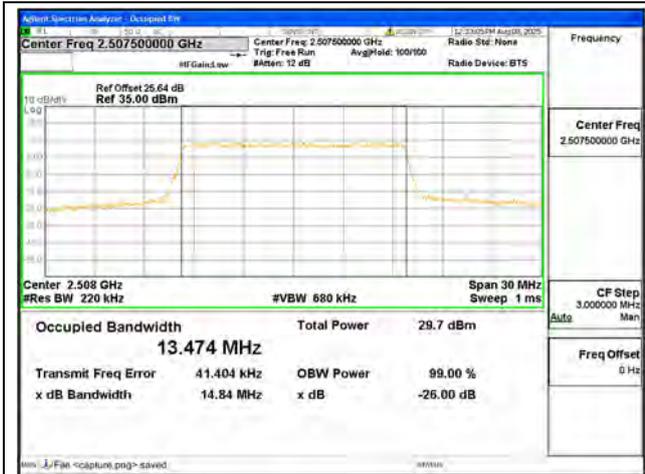
B7 / 10MHz / 16QAM/ Mid CH



B7 / 10MHz / QPSK/ High CH



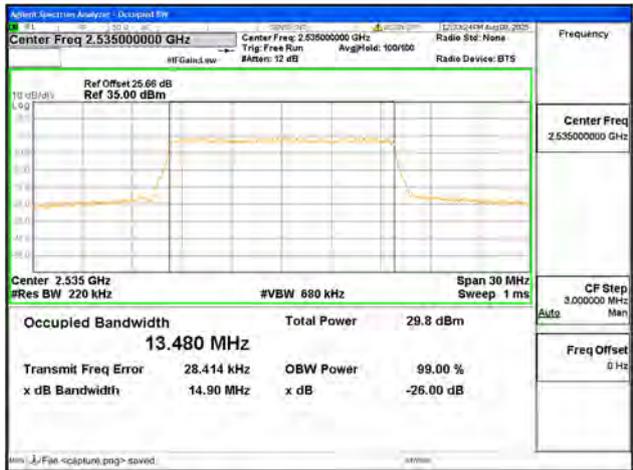
B7 / 10MHz / 16QAM/ High CH



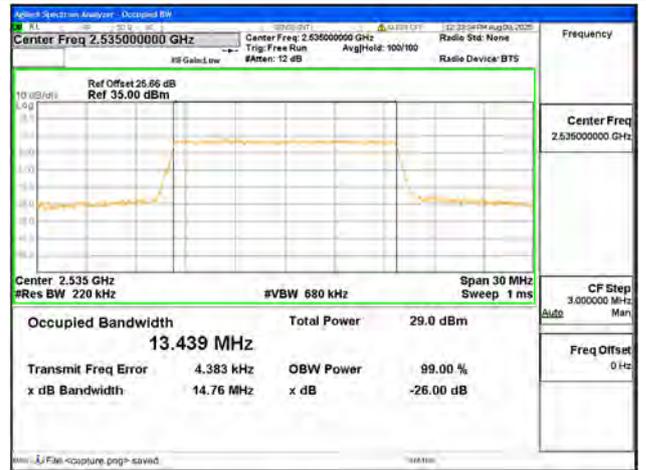
B7 / 15MHz / QPSK/ Low CH



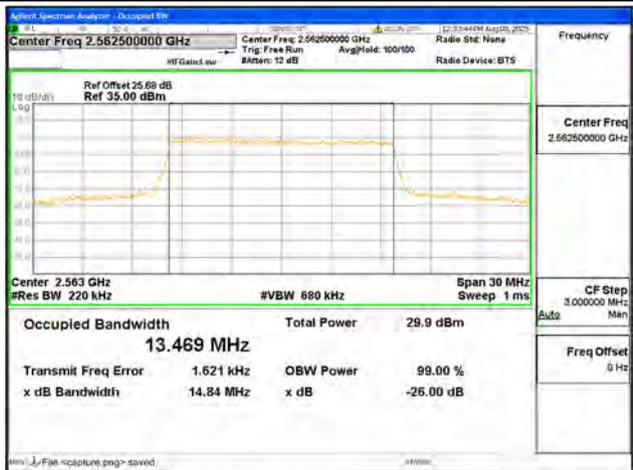
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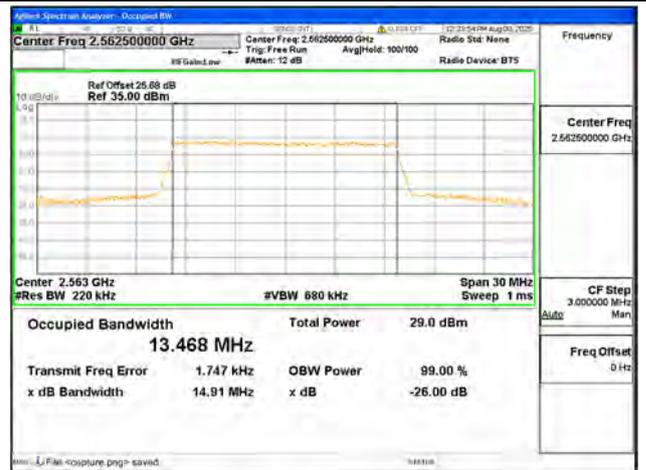
B7 / 15MHz / QPSK/ Mid CH



B7 / 15MHz / 16QAM/ Mid CH



B7 / 15MHz / QPSK/ High CH



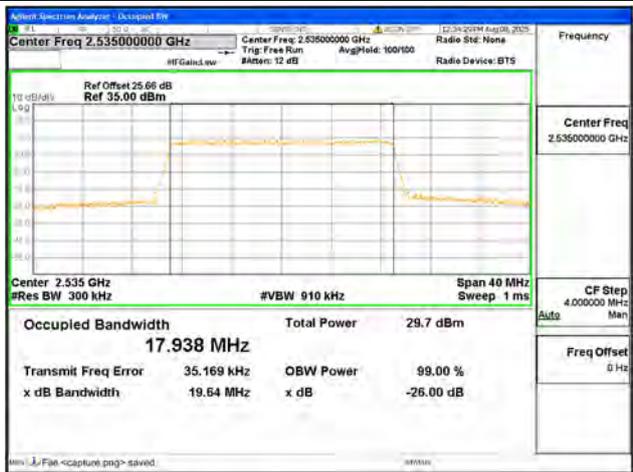
B7 / 15MHz / 16QAM/ High CH



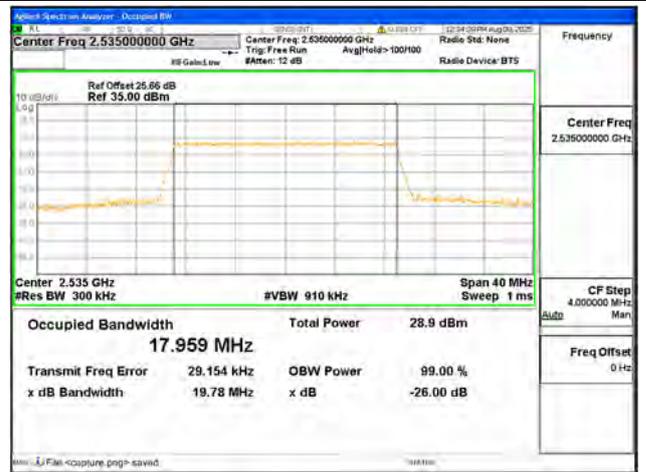
B7 / 20MHz / QPSK/ Low CH



B7 / 20MHz / 16QAM/ Low CH



B7 / 20MHz / QPSK/ Mid CH



B7 / 20MHz / 16QAM/ Mid CH



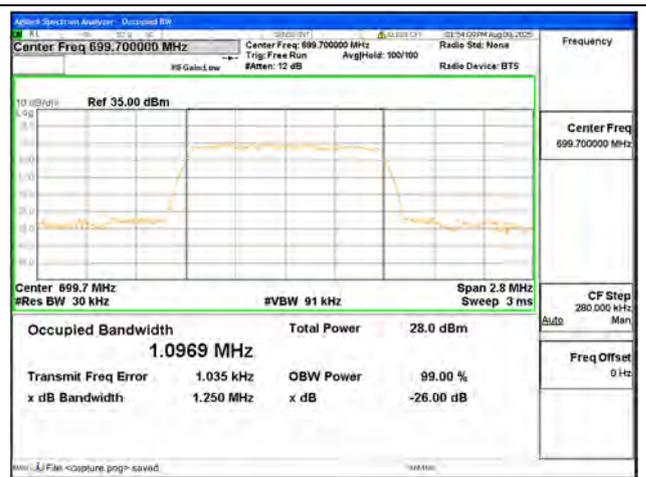
B7 / 20MHz / QPSK/ High CH



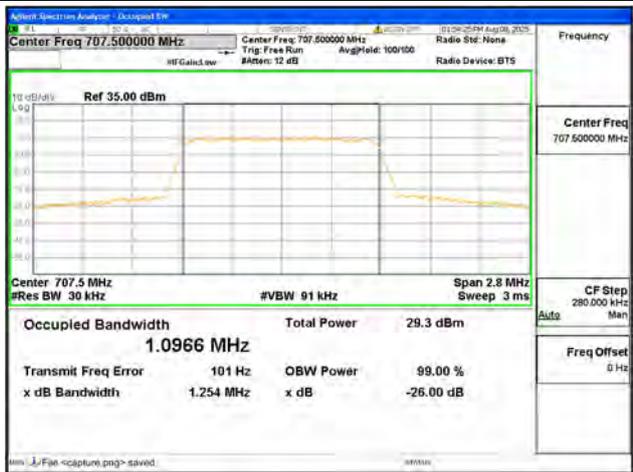
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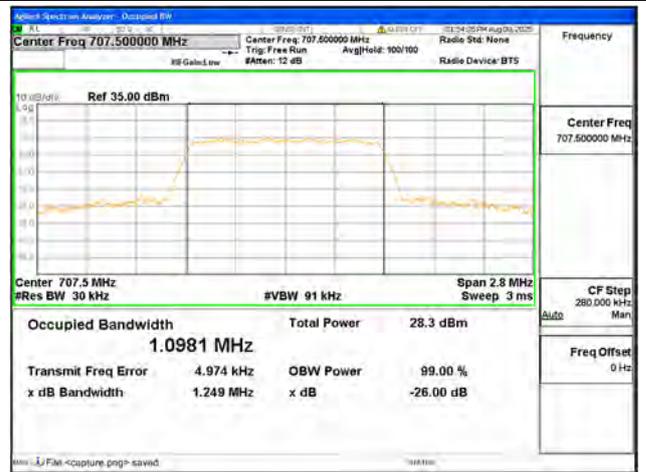
B12 / 1.4MHz / QPSK/ Low CH



B12 / 1.4MHz / 16QAM/ Low CH



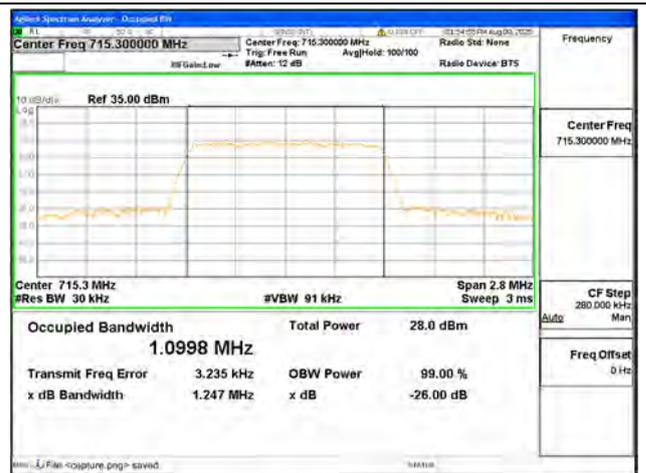
B12 / 1.4MHz / QPSK/ Mid CH



B12 / 1.4MHz / 16QAM/ Mid CH



B12 / 1.4MHz / QPSK/ High CH



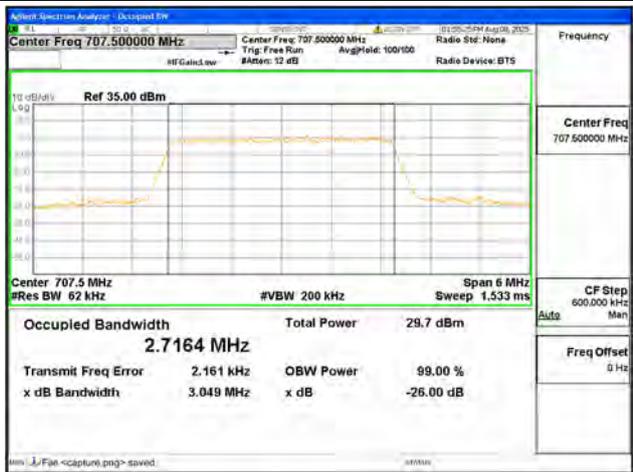
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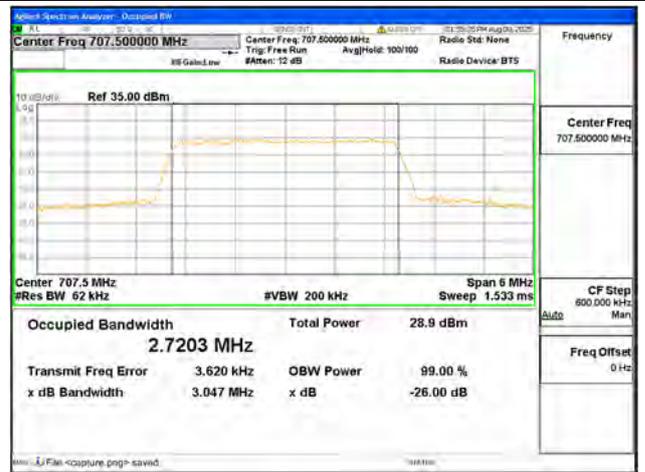
B12 / 3MHz / QPSK/ Low CH



B12 / 3MHz / 16QAM/ Low CH



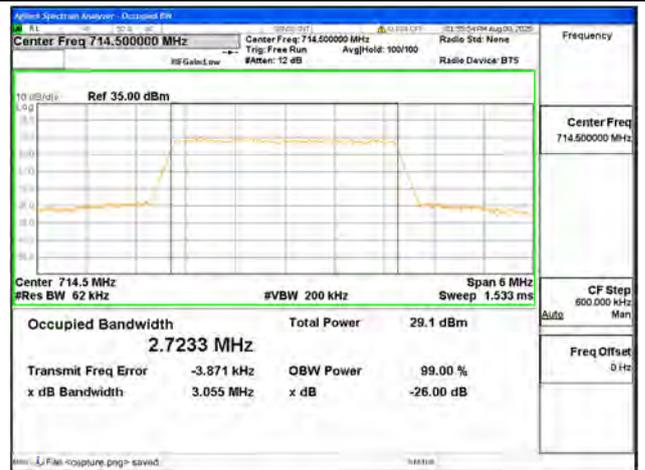
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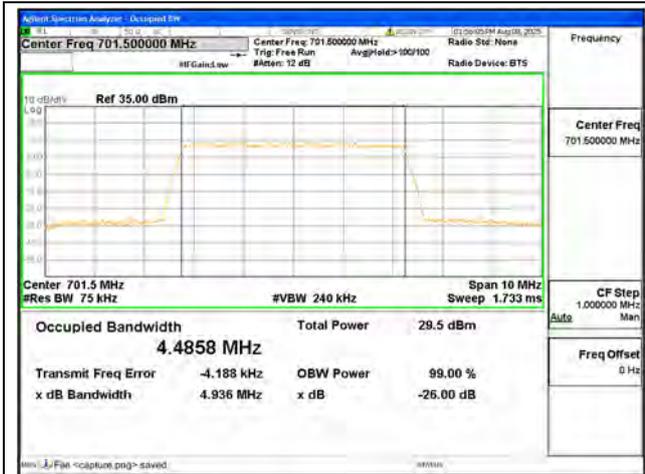
B12 / 3MHz / 16QAM/ Mid CH



B12 / 3MHz / QPSK/ High CH



B12 / 3MHz / 16QAM/ High CH



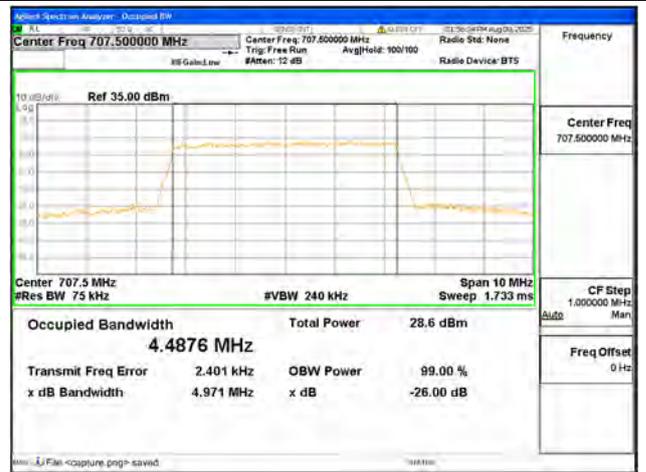
B12 / 5MHz / QPSK/ Low CH



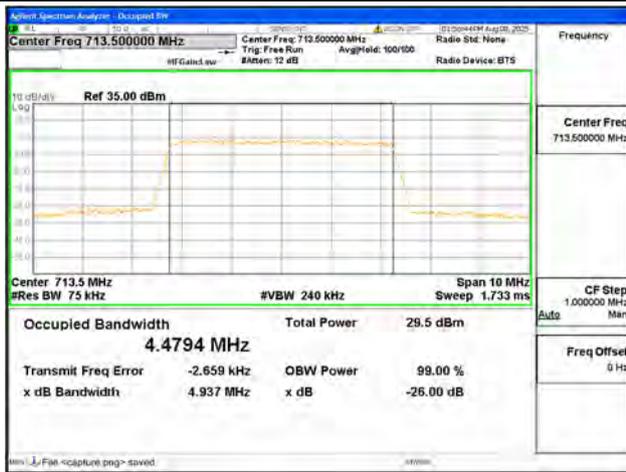
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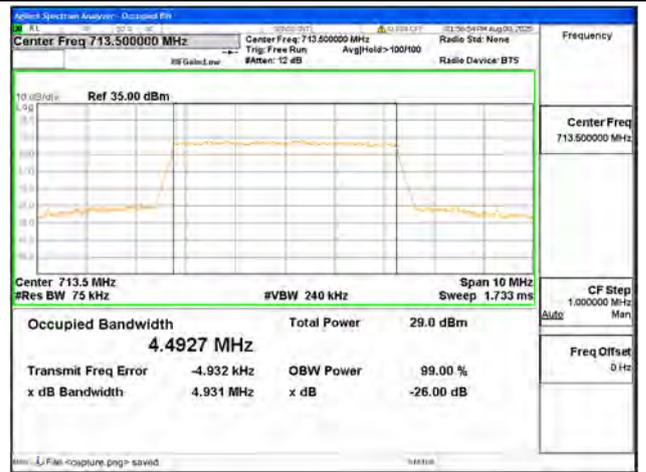
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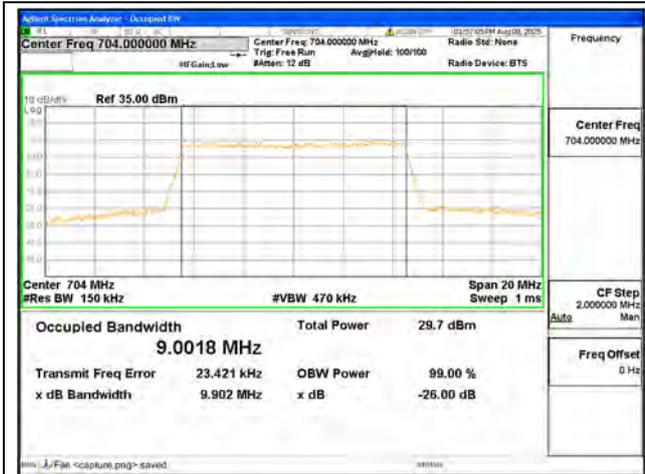
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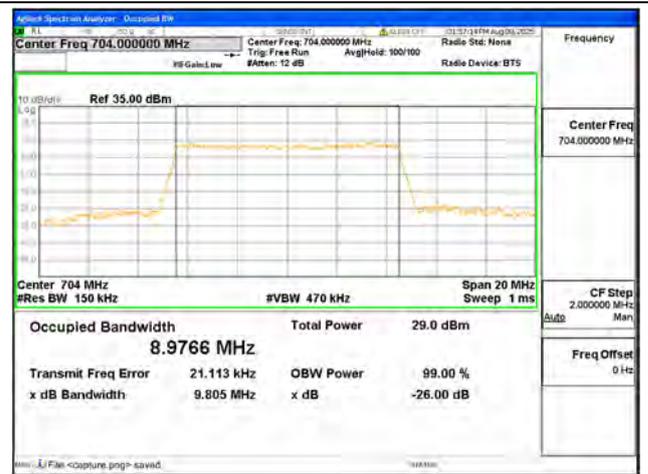
B12 / 5MHz / QPSK/ High CH



B12 / 5MHz / 16QAM/ High CH



B12 / 10MHz / QPSK/ Low CH



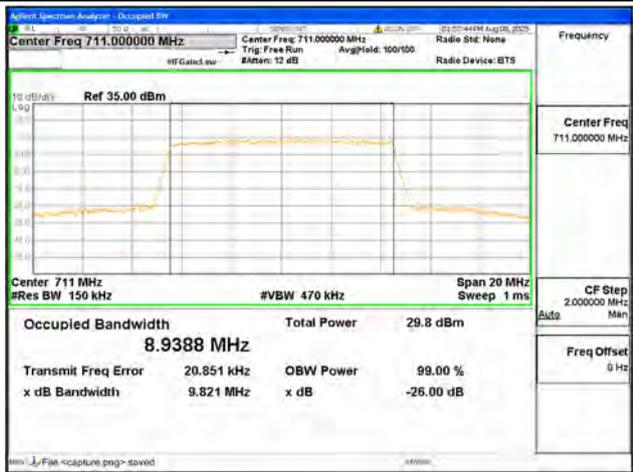
B12 / 10MHz / 16QAM/ Low CH



B12 / 10MHz / QPSK/ Mid CH



B12 / 10MHz / 16QAM/ Mid CH



B12 / 10MHz / QPSK/ High CH



B12 / 10MHz / 16QAM/ High CH



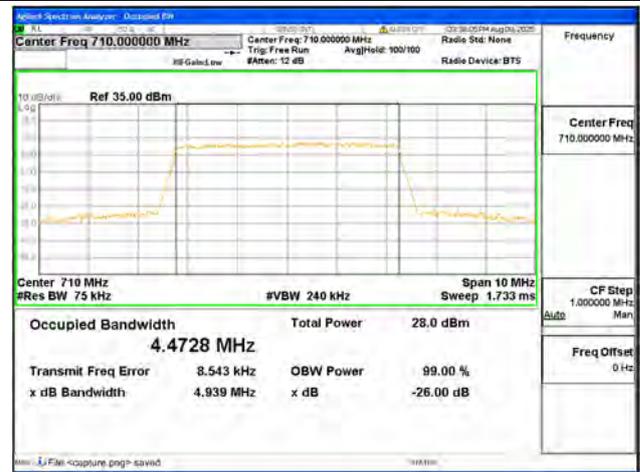
B17 / 5MHz / QPSK/ Low CH



B17 / 5MHz / 16QAM/ Low CH



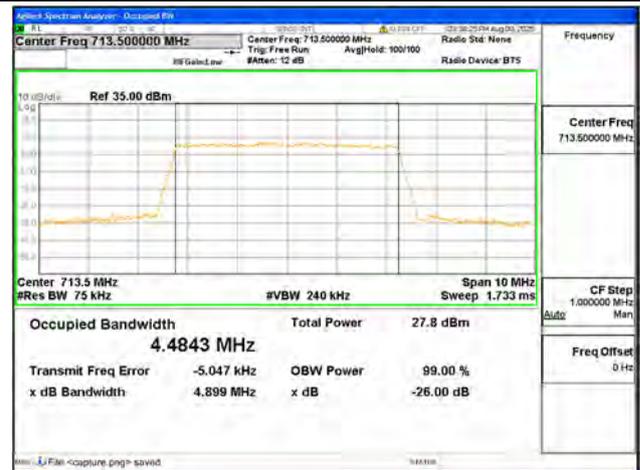
B17 / 5MHz / QPSK/ Mid CH



B17 / 5MHz / 16QAM/ Mid CH



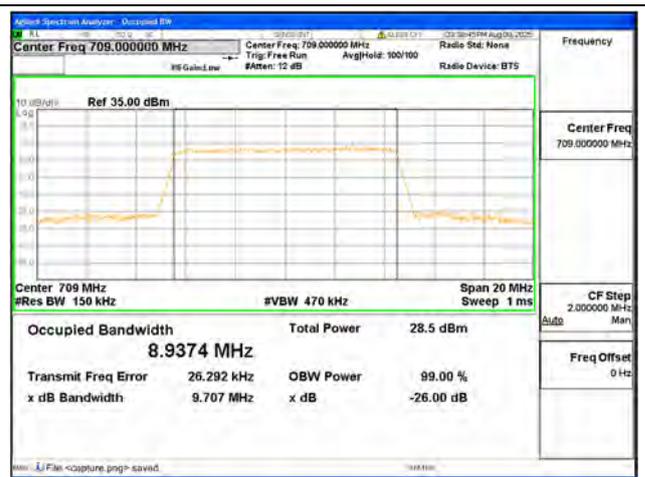
B17 / 5MHz / QPSK/ High CH



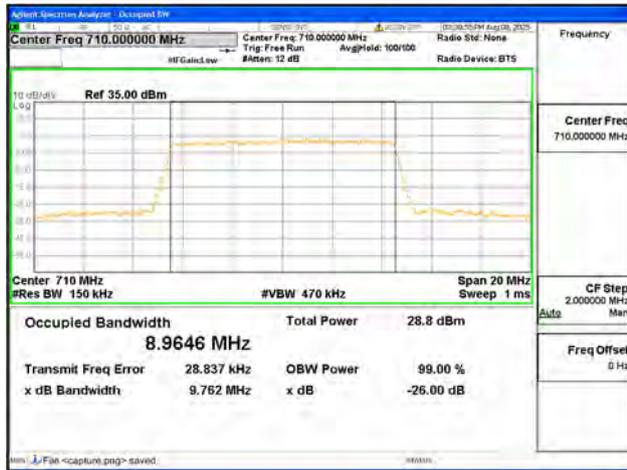
B17 / 5MHz / 16QAM/ High CH



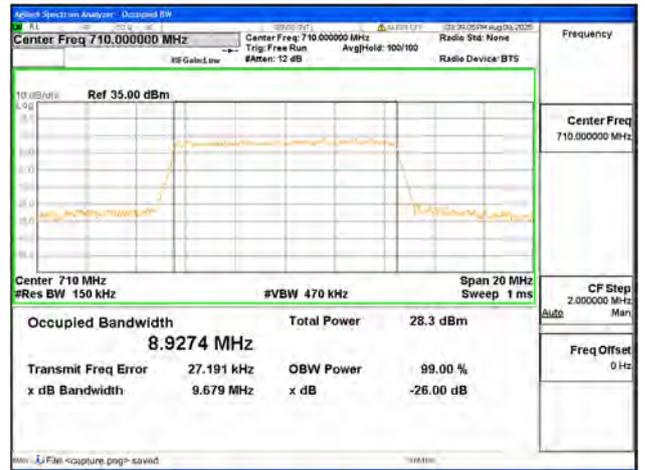
B17 / 10MHz / QPSK/ Low CH



B17 / 10MHz / 16QAM/ Low CH



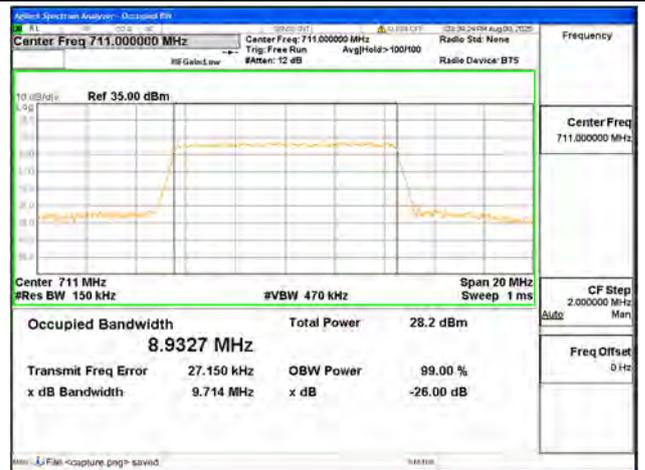
B17 / 10MHz / QPSK/ Mid CH



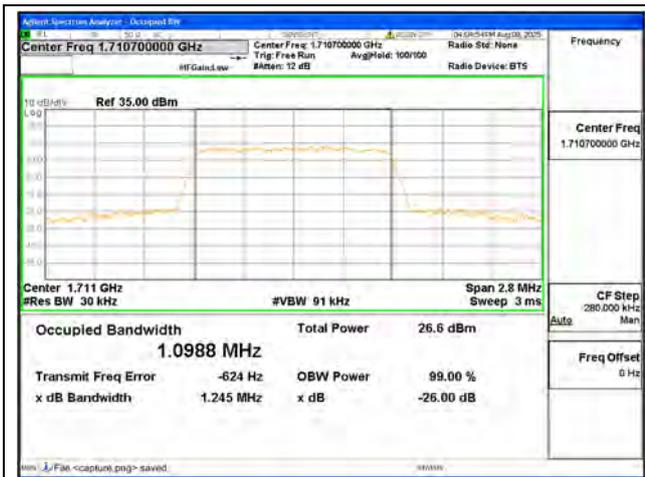
B17 / 10MHz / 16QAM/ Mid CH



B17 / 10MHz / QPSK/ High CH



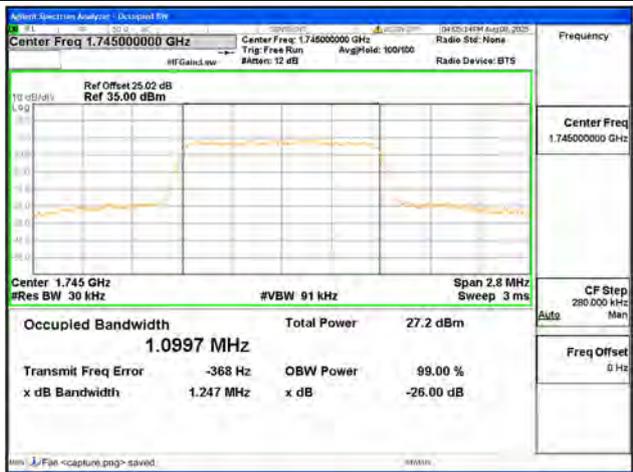
B17 / 10MHz / 16QAM/ High CH



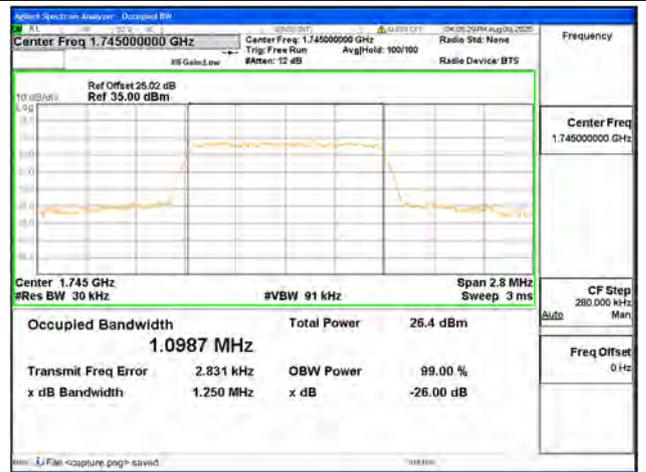
B66 / 1.4MHz / QPSK/ Low CH



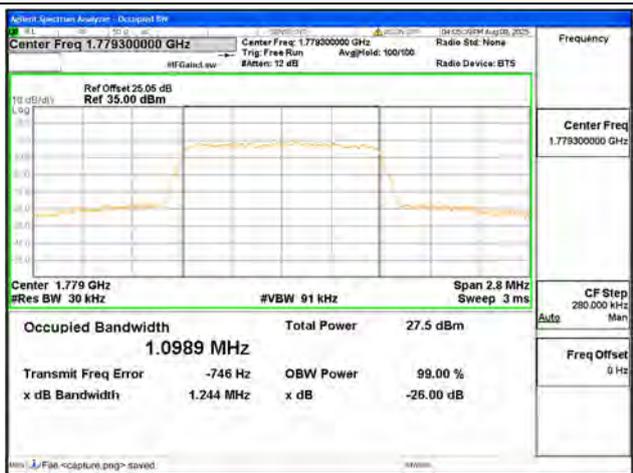
B66 / 1.4MHz / 16QAM/ Low CH



B66 / 1.4MHz / QPSK/ Mid CH



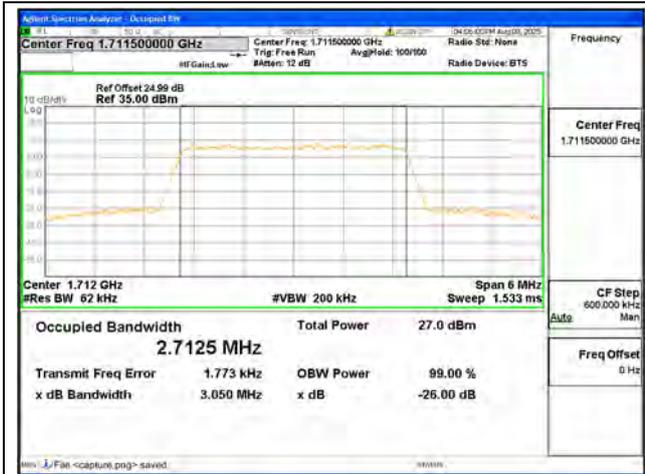
B66 / 1.4MHz / 16QAM/ Mid CH



B66 / 1.4MHz / QPSK/ High CH



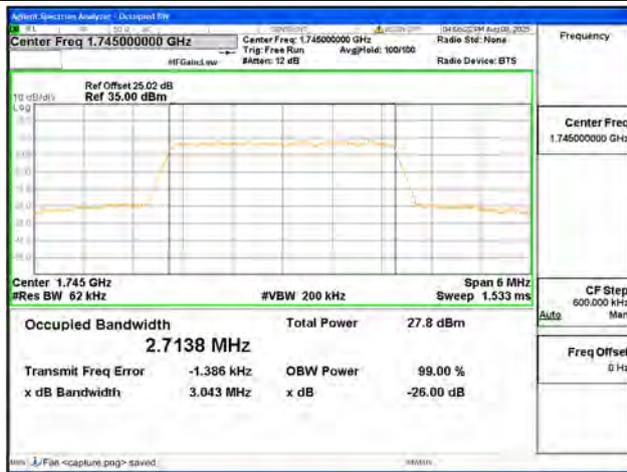
B66 / 1.4MHz / 16QAM/ High CH



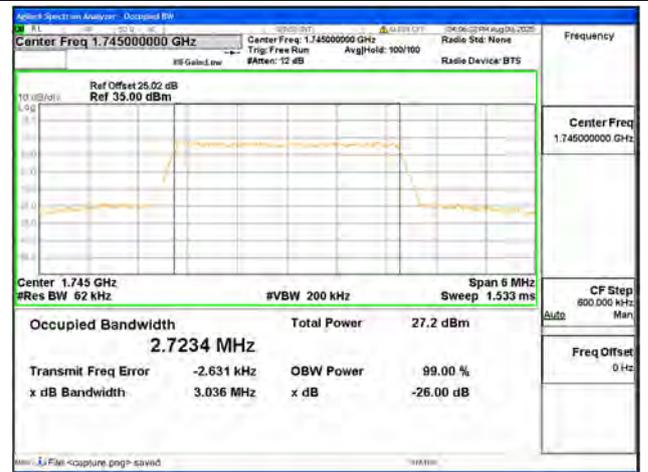
B66 / 3MHz / QPSK/ Low CH



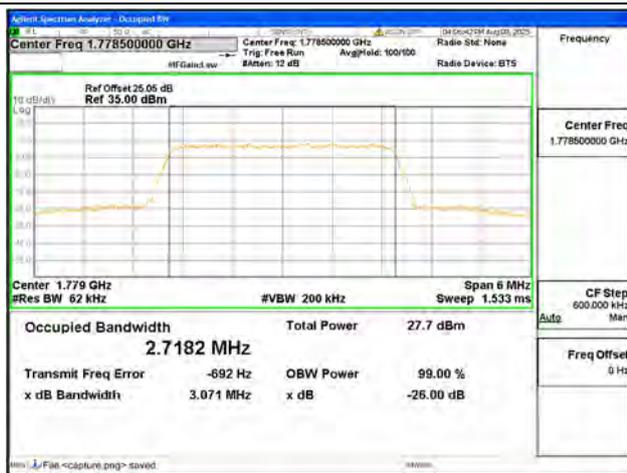
B66 / 3MHz / 16QAM/ Low CH



B66 / 3MHz / QPSK/ Mid CH



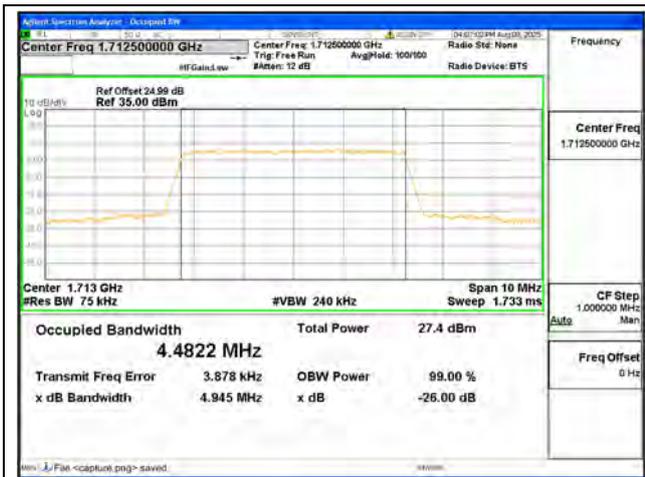
B66 / 3MHz / 16QAM/ Mid CH



B66 / 3MHz / QPSK/ High CH



B66 / 3MHz / 16QAM/ High CH



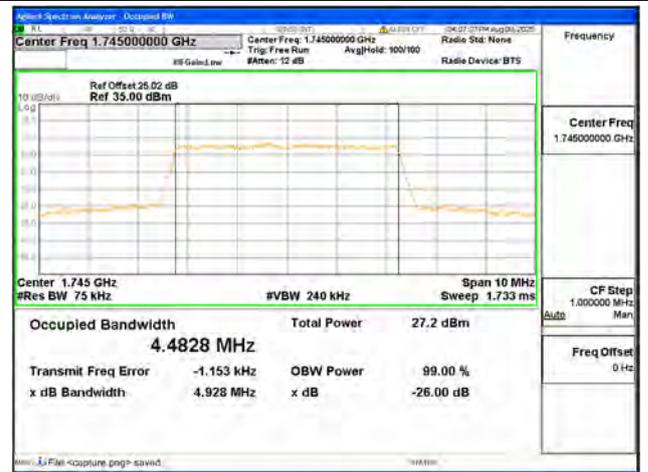
B66 / 5MHz / QPSK/ Low CH



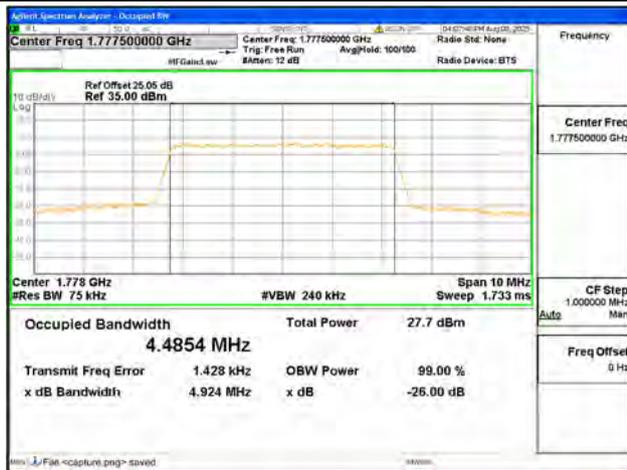
B66 / 5MHz / 16QAM/ Low CH



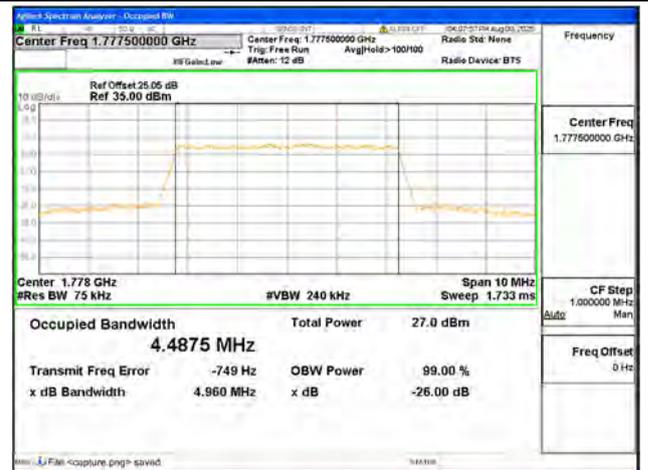
B66 / 5MHz / QPSK/ Mid CH



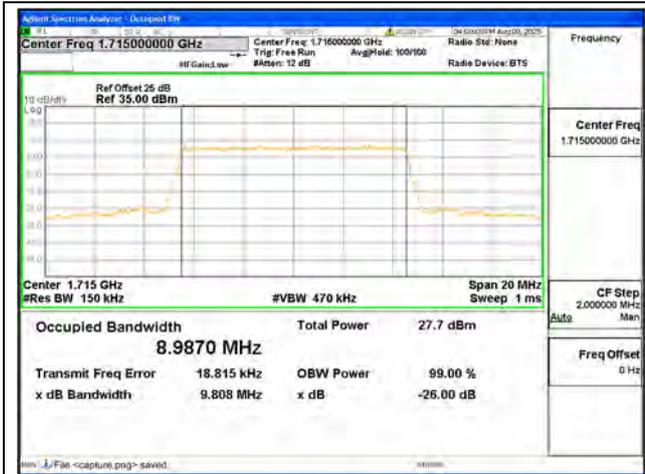
B66 / 5MHz / 16QAM/ Mid CH



B66 / 5MHz / QPSK/ High CH



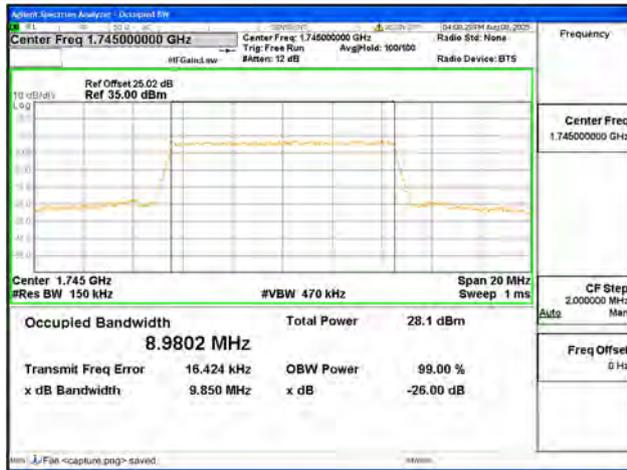
B66 / 5MHz / 16QAM/ High CH



B66 / 10MHz / QPSK/ Low CH



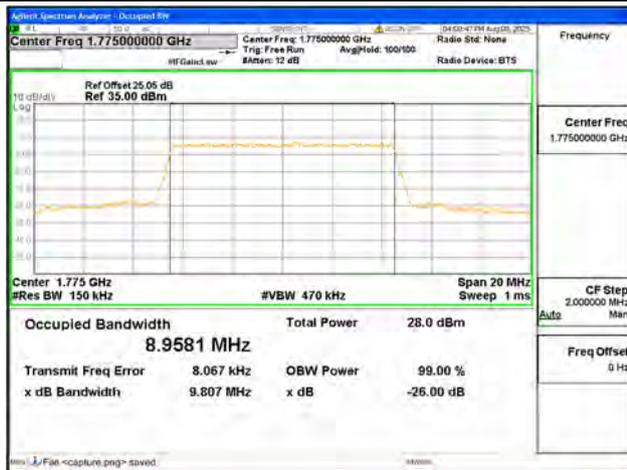
B66 / 10MHz / 16QAM/ Low CH



B66 / 10MHz / QPSK/ Mid CH



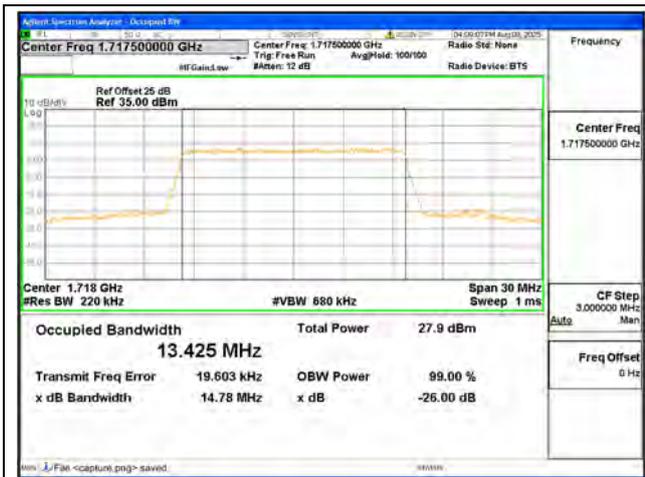
B66 / 10MHz / 16QAM/ Mid CH



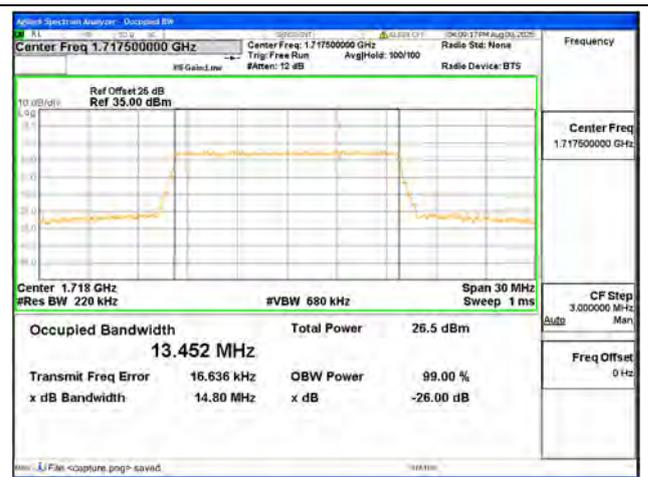
B66 / 10MHz / QPSK/ High CH



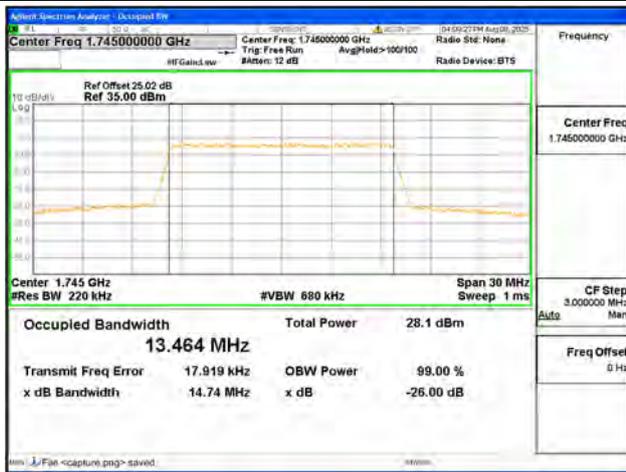
B66 / 10MHz / 16QAM/ High CH



B66 / 15MHz / QPSK/ Low CH



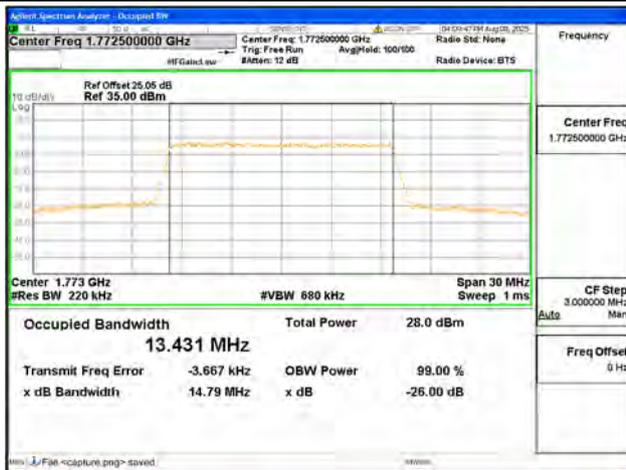
B66 / 15MHz / 16QAM/ Low CH



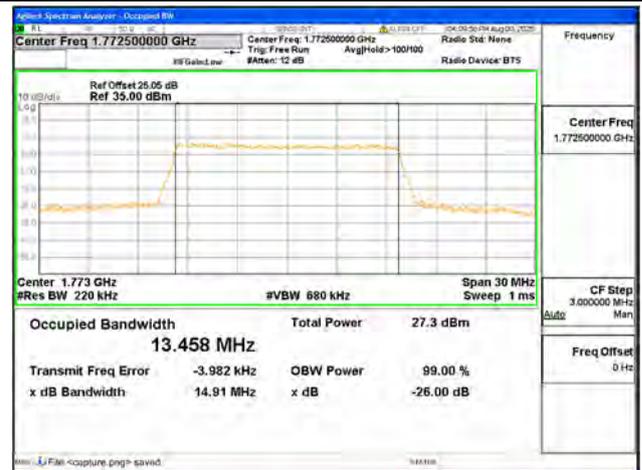
B66 / 15MHz / QPSK/ Mid CH



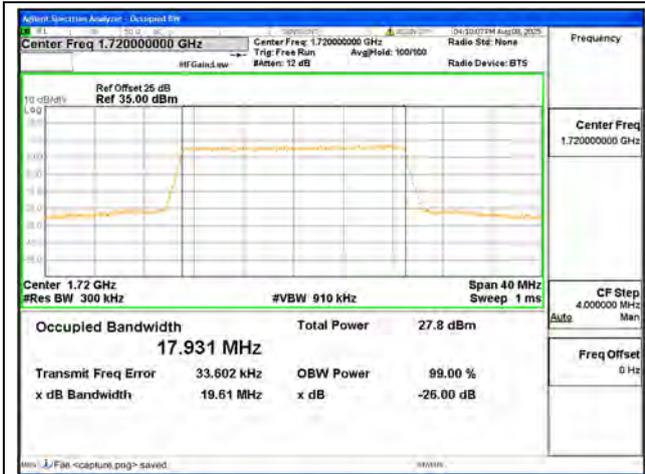
B66 / 15MHz / 16QAM/ Mid CH



B66 / 15MHz / QPSK/ High CH



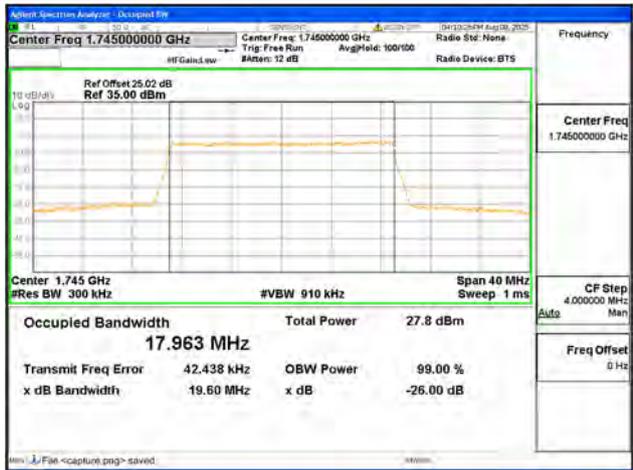
B66 / 15MHz / 16QAM/ High CH



B66 / 20MHz / QPSK/ Low CH



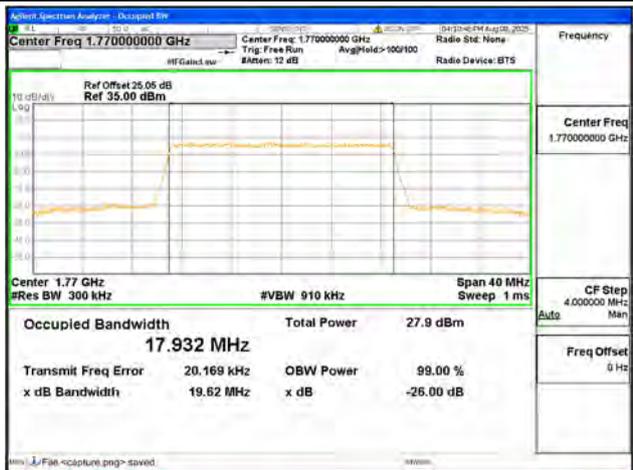
B66 / 20MHz / 16QAM/ Low CH



B66 / 20MHz / QPSK/ Mid CH



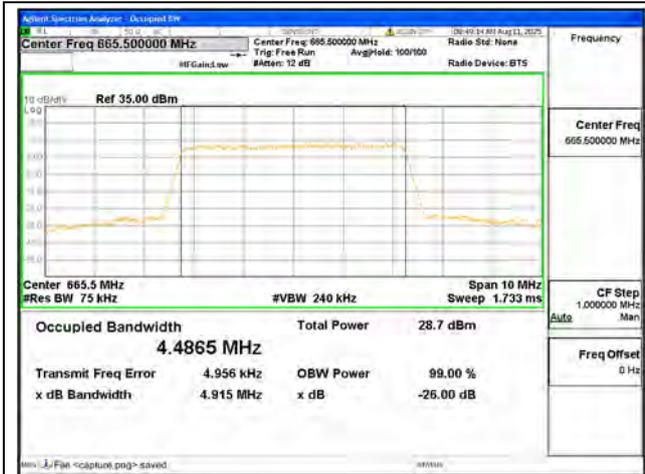
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B66 / 20MHz / QPSK/ High CH



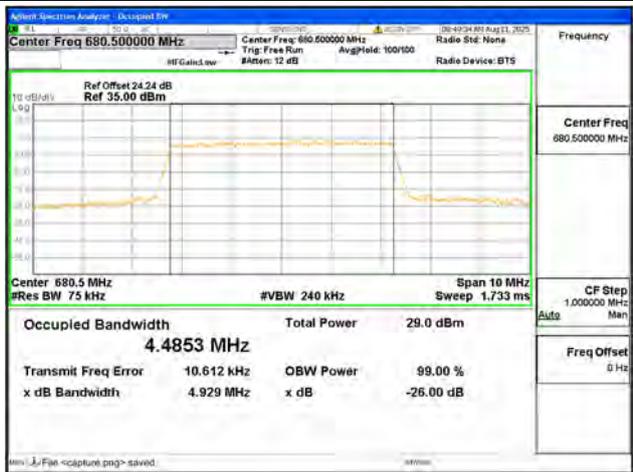
B66 / 20MHz / 16QAM/ High CH



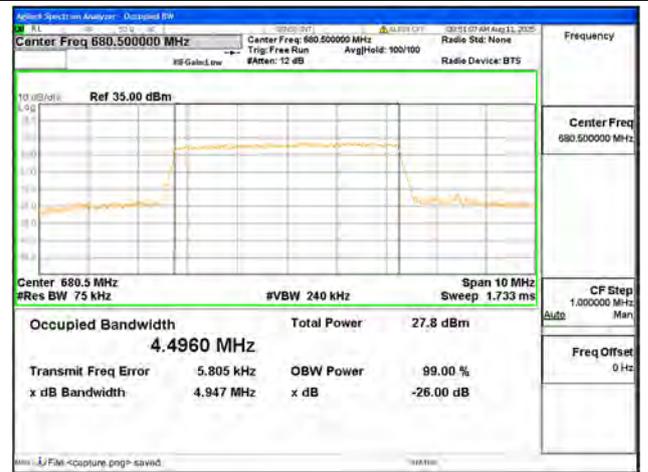
B71 / 5MHz / QPSK/ Low CH



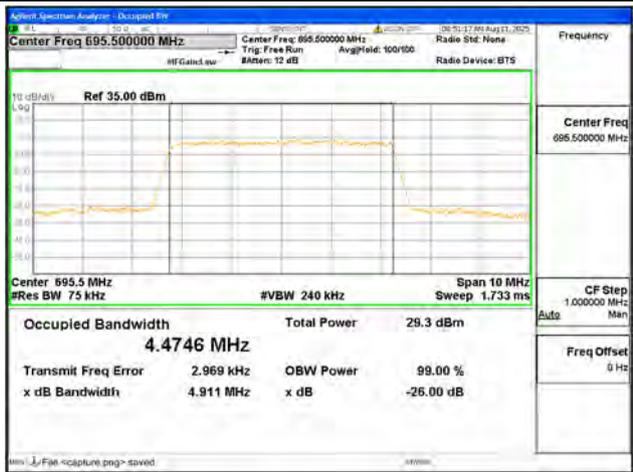
B71 / 5MHz / 16QAM/ Low CH



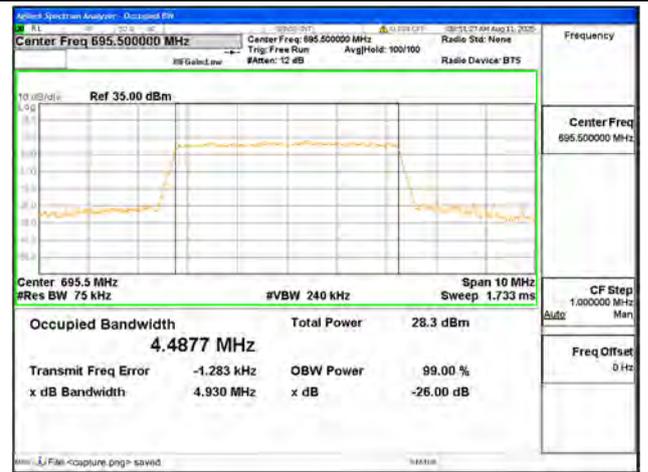
B71 / 5MHz / QPSK/ Mid CH



B71 / 5MHz / 16QAM/ Mid CH



B71 / 5MHz / QPSK/ High CH



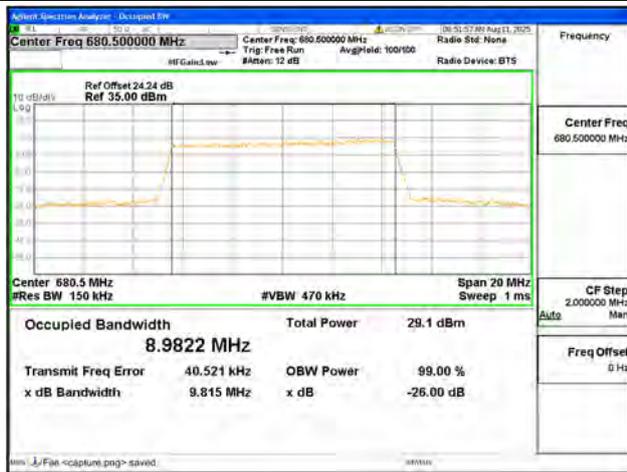
B71 / 5MHz / 16QAM/ High CH



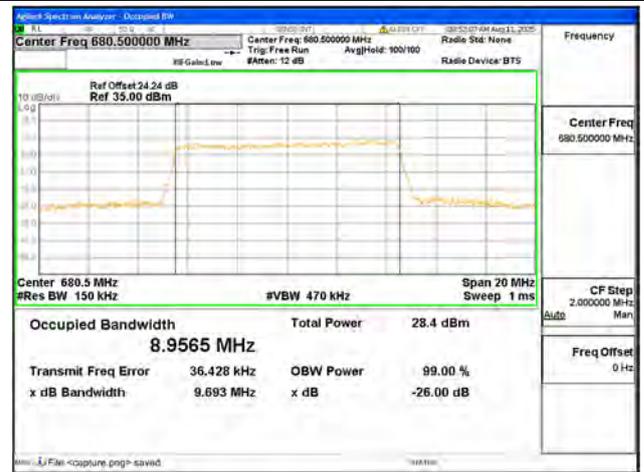
B71 / 10MHz / QPSK/ Low CH



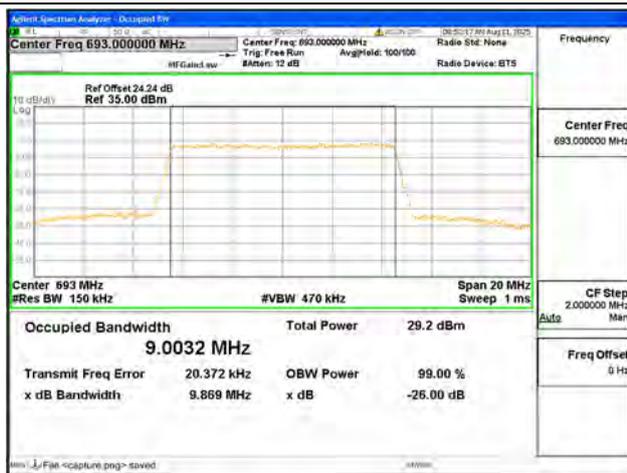
B71 / 10MHz / 16QAM/ Low CH



B71 / 10MHz / QPSK/ Mid CH



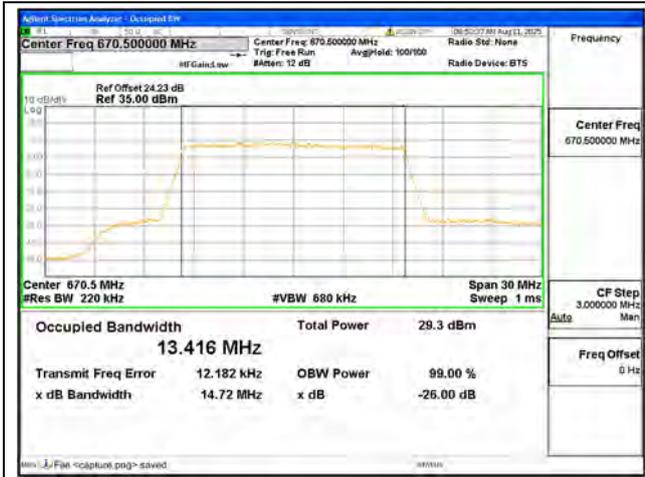
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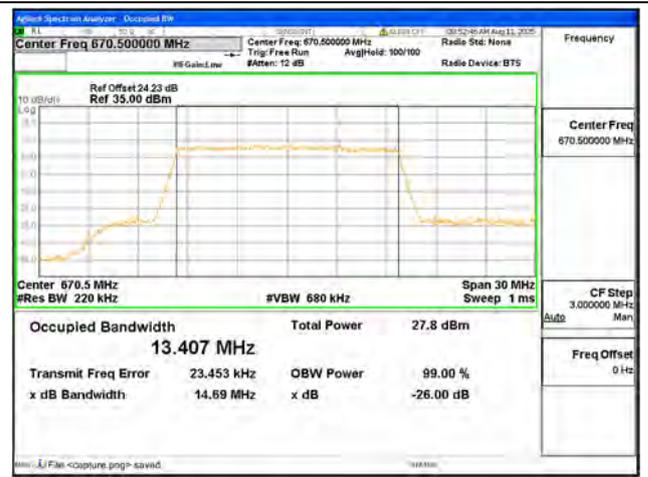
B71 / 10MHz / QPSK/ High CH



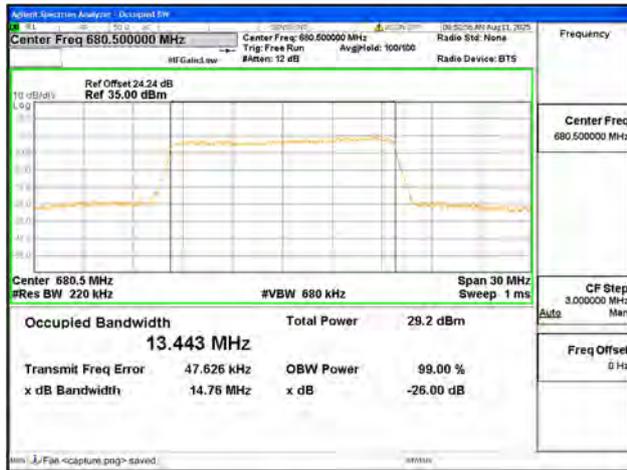
B71 / 10MHz / 16QAM/ High CH



B71 / 15MHz / QPSK/ Low CH



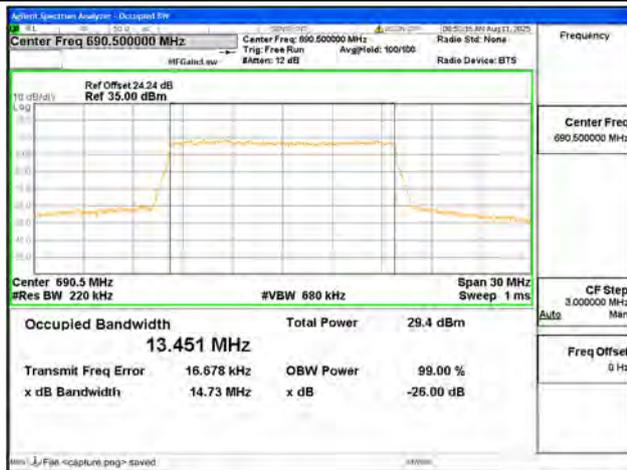
B71 / 15MHz / 16QAM/ Low CH



B71 / 15MHz / QPSK/ Mid CH



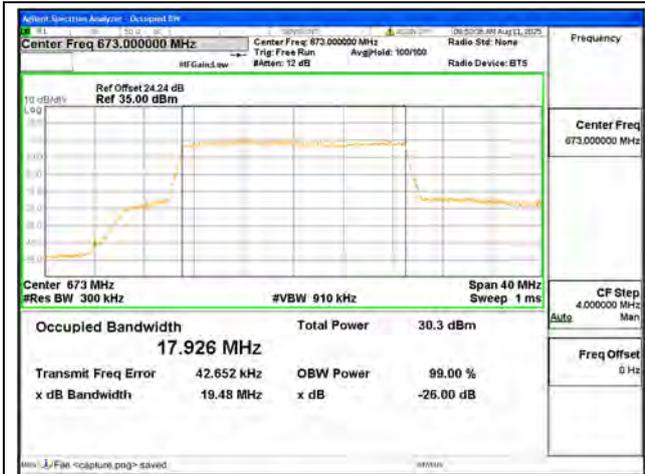
B71 / 15MHz / 16QAM/ Mid CH



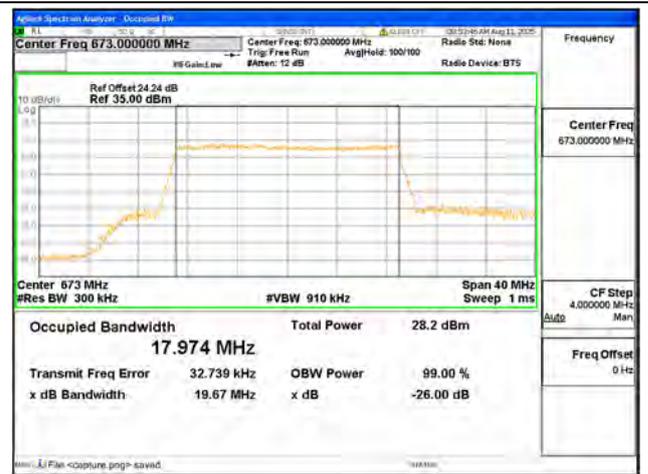
B71 / 15MHz / QPSK/ High CH



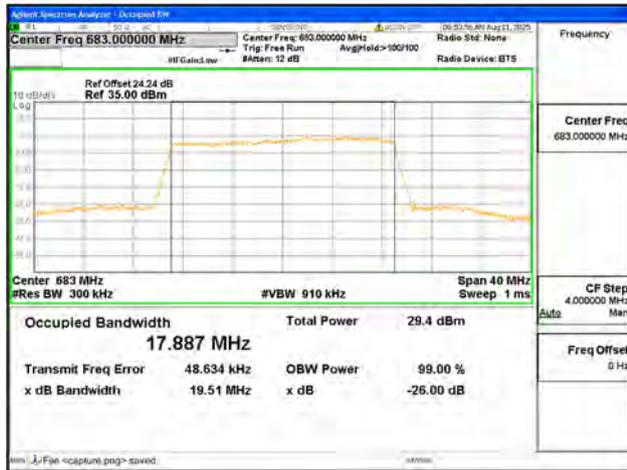
B71 / 15MHz / 16QAM/ High CH



B71 / 20MHz / QPSK/ Low CH



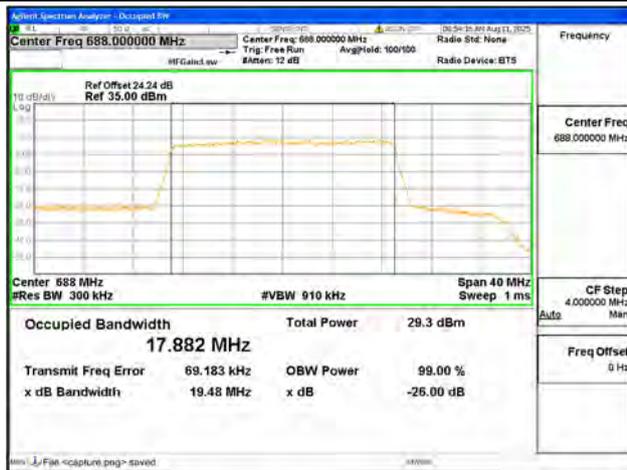
B71 / 20MHz / 16QAM/ Low CH



B71 / 20MHz / QPSK/ Mid CH



B71 / 20MHz / 16QAM/ Mid CH



B71 / 20MHz / QPSK/ High CH



B71 / 20MHz / 16QAM/ High CH

2.3. Frequency Stability

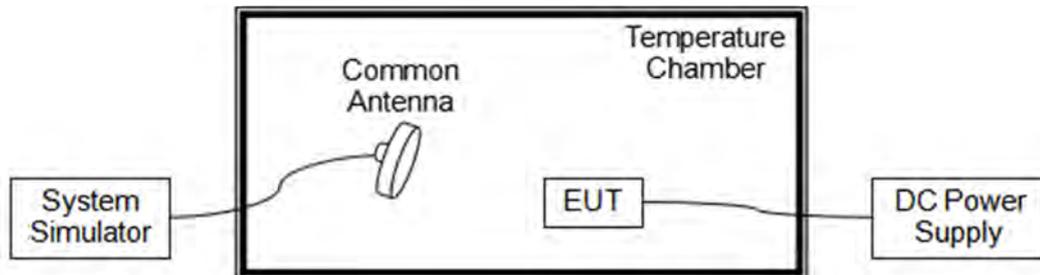
2.3.1. Requirement

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 3.87V, 4.45V and 3.6V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 2, 16QAM, Channel 18900, Frequency 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-1	-0.001	PASS
Normal		-10	14	0.007	
Normal		0	10	0.005	
Normal		+10	16	0.009	
Normal		+20	1	0.001	
Normal		+30	18	0.010	
Normal		+40	2	0.001	
Normal		+50	16	0.009	
Normal		+55	-5	-0.003	
High	4.45	+20	18	0.010	
BATT.ENDPOINT	3.60	+20	13	0.007	

LTE Band 4, 16QAM, Channel 20175, Frequency 1732.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	18	0.010	PASS
Normal		-10	20	0.012	
Normal		0	16	0.009	
Normal		+10	17	0.010	
Normal		+20	-10	-0.006	
Normal		+30	14	0.008	
Normal		+40	14	0.008	
Normal		+50	17	0.010	
Normal		+55	-16	-0.009	
High	4.45	+20	-12	-0.007	
BATT.ENDPOINT	3.60	+20	20	0.012	



LTE Band 5, 16QAM, Channel 20525, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	21	0.025	PASS
Normal		-10	-22	-0.026	
Normal		0	1	0.001	
Normal		+10	19	0.023	
Normal		+20	20	0.024	
Normal		+30	-8	-0.010	
Normal		+40	20	0.024	
Normal		+50	13	0.016	
Normal		+55	19	0.023	
High	4.45	+20	14	0.017	
BATT.ENDPOINT	3.60	+20	17	0.020	

LTE Band 7, 16QAM, Channel 21100, Frequency 2535.0MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	1	0.000	PASS
Normal		-10	20	0.008	
Normal		0	-4	-0.002	
Normal		+10	17	0.007	
Normal		+20	15	0.006	
Normal		+30	13	0.005	
Normal		+40	10	0.004	
Normal		+50	19	0.007	
Normal		+55	16	0.006	
High	4.45	+20	17	0.007	
BATT.ENDPOINT	3.60	+20	19	0.007	



LTE Band 12, 16QAM, Channel 23095, Frequency 707.5MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-22	-0.031	PASS
Normal		-10	-19	-0.027	
Normal		0	8	0.011	
Normal		+10	18	0.025	
Normal		+20	-7	-0.010	
Normal		+30	13	0.018	
Normal		+40	7	0.010	
Normal		+50	14	0.020	
Normal		+55	19	0.027	
High	4.45	+20	23	0.033	
BATT.ENDPOINT	3.60	+20	10	0.014	

LTE Band 17, 16QAM, Channel 23790, Frequency 710.0MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-6	-0.008	PASS
Normal		-10	13	0.018	
Normal		0	4	0.006	
Normal		+10	17	0.024	
Normal		+20	-22	-0.031	
Normal		+30	-14	-0.020	
Normal		+40	-15	-0.021	
Normal		+50	-8	-0.011	
Normal		+55	18	0.025	
High	4.45	+20	18	0.025	
BATT.ENDPOINT	3.60	+20	20	0.028	



LTE Band 66, 16QAM, Channel 132322, Frequency 1745MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-23	-0.013	PASS
Normal		-10	22	0.013	
Normal		0	11	0.006	
Normal		+10	14	0.008	
Normal		+20	21	0.012	
Normal		+30	-7	-0.004	
Normal		+40	18	0.010	
Normal		+50	-15	-0.009	
Normal		+55	3	0.002	
High		4.45	+20	13	
BATT.ENDPOINT	3.60	+20	20	0.011	

LTE Band 71, 16QAM, Channel 133322, Frequency 683.0MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-23	-0.013	PASS
Normal		-10	22	0.013	
Normal		0	11	0.006	
Normal		+10	14	0.008	
Normal		+20	21	0.012	
Normal		+30	-7	-0.004	
Normal		+40	18	0.010	
Normal		+50	-15	-0.009	
Normal		+55	3	0.002	
High		4.45	+20	13	
BATT.ENDPOINT	3.60	+20	20	0.011	



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	Peak to Average Radio(dB)	Verdict
B2	1.4	Low	18607	1850.7	QPSK	5.61	PASS
B2	1.4	Low	18607	1850.7	16QAM	6.67	PASS
B2	1.4	Mid	18900	1880	QPSK	5.66	PASS
B2	1.4	Mid	18900	1880	16QAM	6.49	PASS
B2	1.4	High	19193	1909.3	QPSK	5.07	PASS
B2	1.4	High	19193	1909.3	16QAM	6.01	PASS
B2	3	Low	18615	1851.5	QPSK	5.68	PASS
B2	3	Low	18615	1851.5	16QAM	6.48	PASS
B2	3	Mid	18900	1880	QPSK	5.65	PASS
B2	3	Mid	18900	1880	16QAM	6.44	PASS
B2	3	High	19185	1908.5	QPSK	5.21	PASS
B2	3	High	19185	1908.5	16QAM	6.02	PASS
B2	5	Low	18625	1852.5	QPSK	5.70	PASS
B2	5	Low	18625	1852.5	16QAM	6.36	PASS
B2	5	Mid	18900	1880	QPSK	5.64	PASS
B2	5	Mid	18900	1880	16QAM	6.29	PASS
B2	5	High	19175	1907.5	QPSK	5.40	PASS
B2	5	High	19175	1907.5	16QAM	6.03	PASS
B2	10	Low	18650	1855	QPSK	5.67	PASS
B2	10	Low	18650	1855	16QAM	6.39	PASS
B2	10	Mid	18900	1880	QPSK	5.68	PASS
B2	10	Mid	18900	1880	16QAM	6.32	PASS
B2	10	High	19150	1905	QPSK	5.50	PASS
B2	10	High	19150	1905	16QAM	6.14	PASS
B2	15	Low	18675	1857.5	QPSK	5.48	PASS
B2	15	Low	18675	1857.5	16QAM	6.15	PASS
B2	15	Mid	18900	1880	QPSK	5.52	PASS
B2	15	Mid	18900	1880	16QAM	6.23	PASS
B2	15	High	19125	1902.5	QPSK	5.20	PASS
B2	15	High	19125	1902.5	16QAM	6.01	PASS
B2	20	Low	18700	1860	QPSK	5.57	PASS
B2	20	Low	18700	1860	16QAM	6.15	PASS
B2	20	Mid	18900	1880	QPSK	5.57	PASS
B2	20	Mid	18900	1880	16QAM	6.25	PASS
B2	20	High	19100	1900	QPSK	5.21	PASS



B2	20	High	19100	1900	16QAM	6.00	PASS
B4	1.4	Low	19957	1710.7	QPSK	5.21	PASS
B4	1.4	Low	19957	1710.7	16QAM	6.16	PASS
B4	1.4	Mid	20175	1732.5	QPSK	5.39	PASS
B4	1.4	Mid	20175	1732.5	16QAM	6.24	PASS
B4	1.4	High	20393	1754.3	QPSK	5.52	PASS
B4	1.4	High	20393	1754.3	16QAM	6.42	PASS
B4	3	Low	19965	1711.5	QPSK	5.29	PASS
B4	3	Low	19965	1711.5	16QAM	6.06	PASS
B4	3	Mid	20175	1732.5	QPSK	5.50	PASS
B4	3	Mid	20175	1732.5	16QAM	6.97	PASS
B4	3	High	20385	1753.5	QPSK	5.60	PASS
B4	3	High	20385	1753.5	16QAM	6.35	PASS
B4	5	Low	19975	1712.5	QPSK	5.44	PASS
B4	5	Low	19975	1712.5	16QAM	6.08	PASS
B4	5	Mid	20175	1732.5	QPSK	5.60	PASS
B4	5	Mid	20175	1732.5	16QAM	6.14	PASS
B4	5	High	20375	1752.5	QPSK	5.66	PASS
B4	5	High	20375	1752.5	16QAM	6.28	PASS
B4	10	Low	20000	1715	QPSK	5.51	PASS
B4	10	Low	20000	1715	16QAM	6.21	PASS
B4	10	Mid	20175	1732.5	QPSK	5.59	PASS
B4	10	Mid	20175	1732.5	16QAM	6.23	PASS
B4	10	High	20350	1750	QPSK	5.69	PASS
B4	10	High	20350	1750	16QAM	6.36	PASS
B4	15	Low	20025	1717.5	QPSK	5.39	PASS
B4	15	Low	20025	1717.5	16QAM	6.12	PASS
B4	15	Mid	20175	1732.5	QPSK	5.41	PASS
B4	15	Mid	20175	1732.5	16QAM	6.10	PASS
B4	15	High	20325	1747.5	QPSK	5.54	PASS
B4	15	High	20325	1747.5	16QAM	6.28	PASS
B4	20	Low	20050	1720	QPSK	5.55	PASS
B4	20	Low	20050	1720	16QAM	6.18	PASS
B4	20	Mid	20175	1732.5	QPSK	5.51	PASS
B4	20	Mid	20175	1732.5	16QAM	6.24	PASS
B4	20	High	20300	1745	QPSK	5.80	PASS
B4	20	High	20300	1745	16QAM	6.28	PASS
B66	1.4	Low	131979	1710.7	QPSK	5.01	PASS



B66	1.4	Low	131979	1710.7	16QAM	6.34	PASS
B66	1.4	Mid	132322	1745	QPSK	5.48	PASS
B66	1.4	Mid	132322	1745	16QAM	6.46	PASS
B66	1.4	High	132665	1779.3	QPSK	5.49	PASS
B66	1.4	High	132665	1779.3	16QAM	6.36	PASS
B66	3	Low	131987	1711.5	QPSK	5.68	PASS
B66	3	Low	131987	1711.5	16QAM	6.33	PASS
B66	3	Mid	132322	1745	QPSK	5.56	PASS
B66	3	Mid	132322	1745	16QAM	6.48	PASS
B66	3	High	132657	1778.5	QPSK	5.63	PASS
B66	3	High	132657	1778.5	16QAM	6.43	PASS
B66	5	Low	131997	1712.5	QPSK	5.65	PASS
B66	5	Low	131997	1712.5	16QAM	6.45	PASS
B66	5	Mid	132322	1745	QPSK	5.75	PASS
B66	5	Mid	132322	1745	16QAM	6.38	PASS
B66	5	High	132647	1777.5	QPSK	5.60	PASS
B66	5	High	132647	1777.5	16QAM	6.28	PASS
B66	10	Low	132022	1715	QPSK	5.73	PASS
B66	10	Low	132022	1715	16QAM	6.42	PASS
B66	10	Mid	132322	1745	QPSK	5.81	PASS
B66	10	Mid	132322	1745	16QAM	6.39	PASS
B66	10	High	132622	1775	QPSK	5.61	PASS
B66	10	High	132622	1775	16QAM	6.31	PASS
B66	15	Low	132047	1717.5	QPSK	5.64	PASS
B66	15	Low	132047	1717.5	16QAM	6.27	PASS
B66	15	Mid	132322	1745	QPSK	5.69	PASS
B66	15	Mid	132322	1745	16QAM	6.33	PASS
B66	15	High	132597	1772.5	QPSK	5.62	PASS
B66	15	High	132597	1772.5	16QAM	6.09	PASS
B66	20	Low	132072	1720	QPSK	5.71	PASS
B66	20	Low	132072	1720	16QAM	6.34	PASS
B66	20	Mid	132322	1745	QPSK	5.67	PASS
B66	20	Mid	132322	1745	16QAM	6.41	PASS
B66	20	High	132572	1770	QPSK	5.46	PASS
B66	20	High	132572	1770	16QAM	6.15	PASS

2.5. Conducted Spurious Emissions

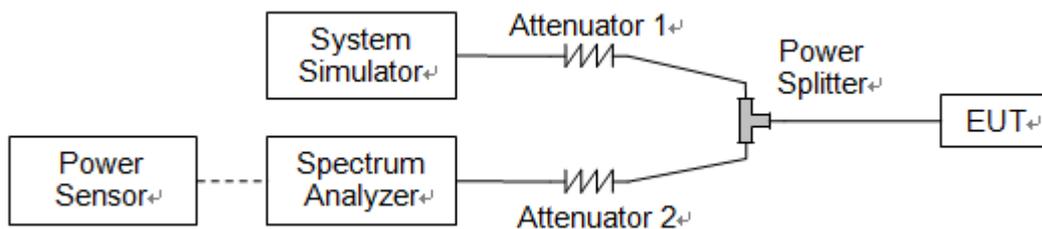
2.5.1. Requirement

According to FCC section 2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10*\log(P)$ dB. This calculated to be -13dBm.

Additional requirement for LTE Band 7:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $55 + 10 \log(P)$ dB. This calculated to be -25dBm.

2.5.2. 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.

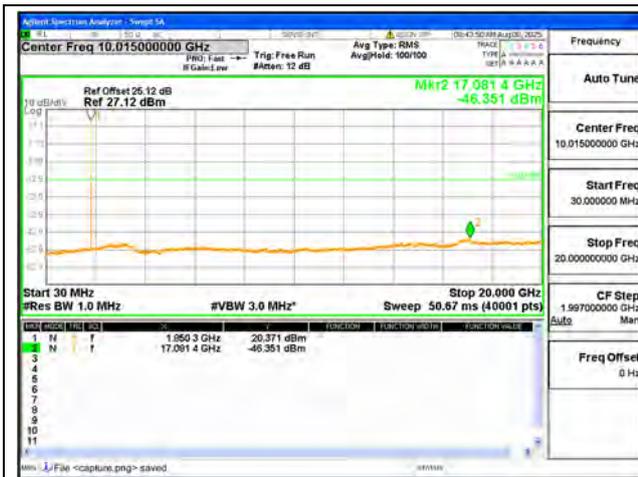
2.5.3. Test Procedure

KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.



2.5.4. Test Result

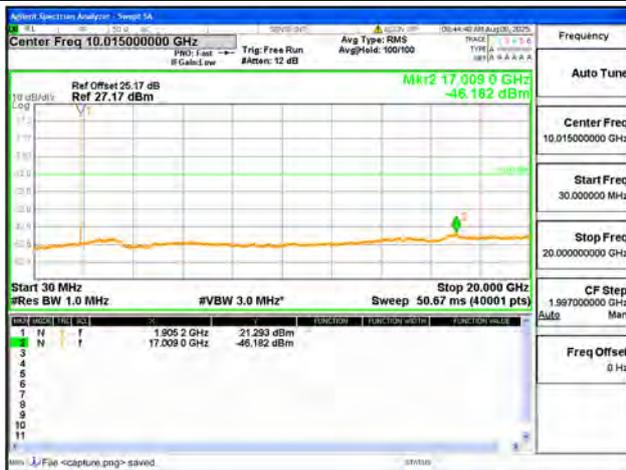




B2 / 5MHz / Low CH / QPSK



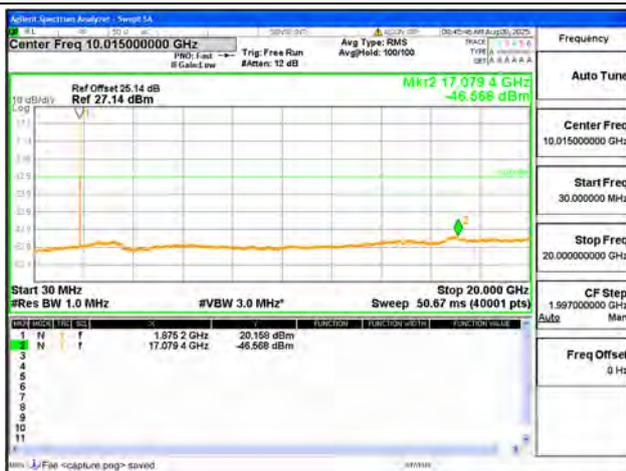
B2 / 5MHz / Mid CH / QPSK



B2 / 5MHz / High CH / QPSK



B2 / 10MHz / Low CH / QPSK



B2 / 10MHz / Mid CH / QPSK



B2 / 10MHz / High CH / QPSK



B2 / 15MHz / Low CH / QPSK



B2 / 15MHz / Mid CH / QPSK



B2 / 15MHz / High CH / QPSK



B2 / 20MHz / Low CH / QPSK



B2 / 20MHz / Mid CH / QPSK



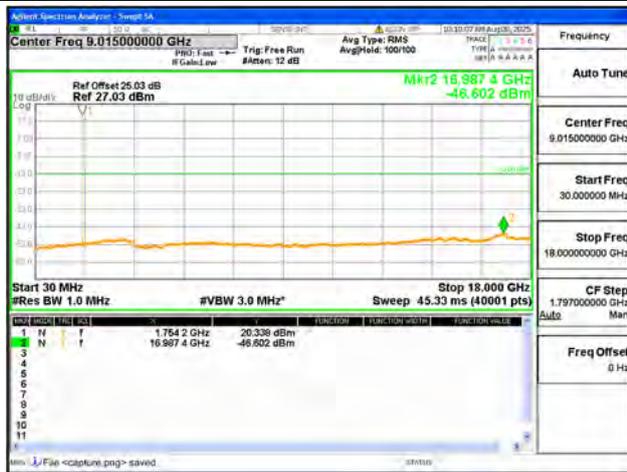
B2 / 20MHz / High CH / QPSK



B4 / 1.4MHz / Low CH / QPSK



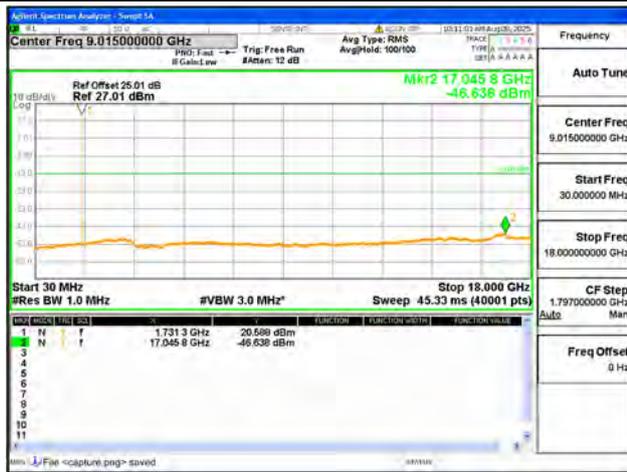
B4 / 1.4MHz / Mid CH / QPSK



B4 / 1.4MHz / High CH / QPSK



B4 / 3MHz / Low CH / QPSK



B4 / 3MHz / Mid CH / QPSK



B4 / 3MHz / High CH / QPSK



B4 / 5MHz / Low CH / QPSK



B4 / 5MHz / Mid CH / QPSK



B4 / 5MHz / High CH / QPSK



B4 / 10MHz / Low CH / QPSK



B4 / 10MHz / Mid CH / QPSK



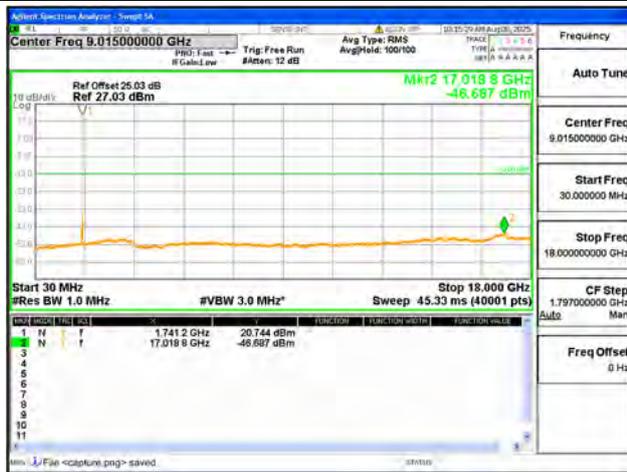
B4 / 10MHz / High CH / QPSK



B4 / 15MHz / Low CH / QPSK



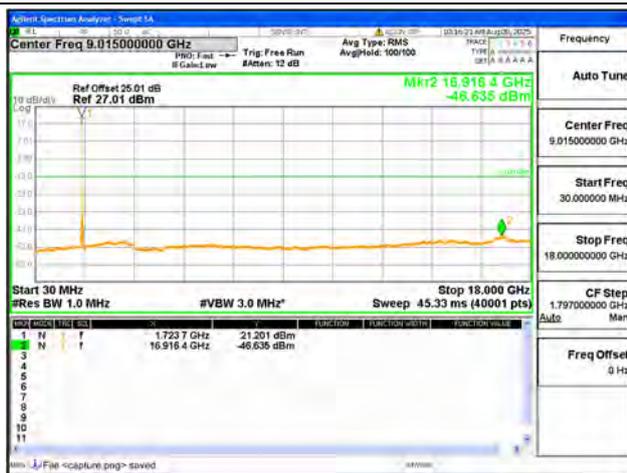
B4 / 15MHz / Mid CH / QPSK



B4 / 15MHz / High CH / QPSK



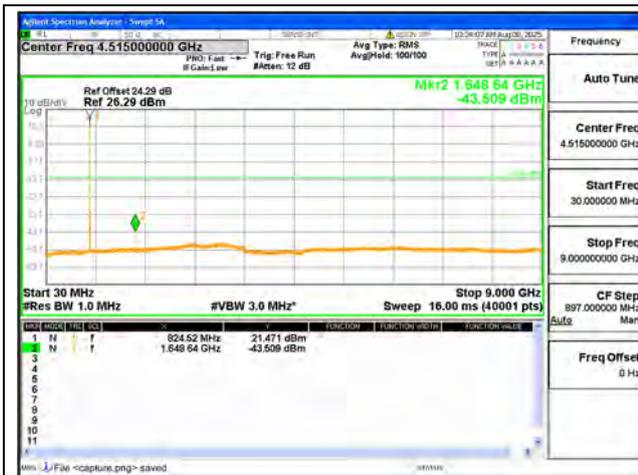
B4 / 20MHz / Low CH / QPSK



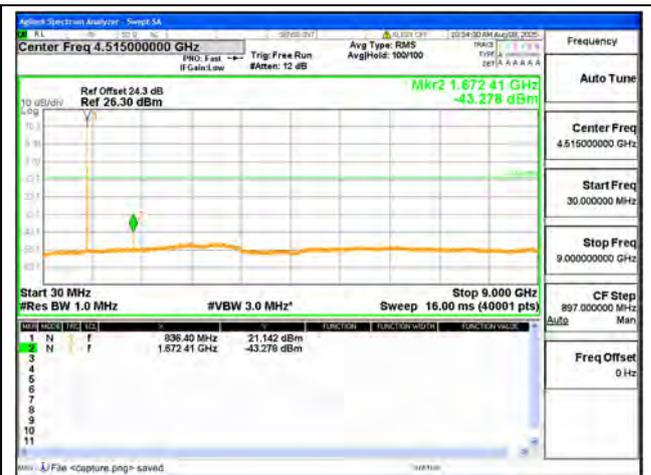
B4 / 20MHz / Mid CH / QPSK



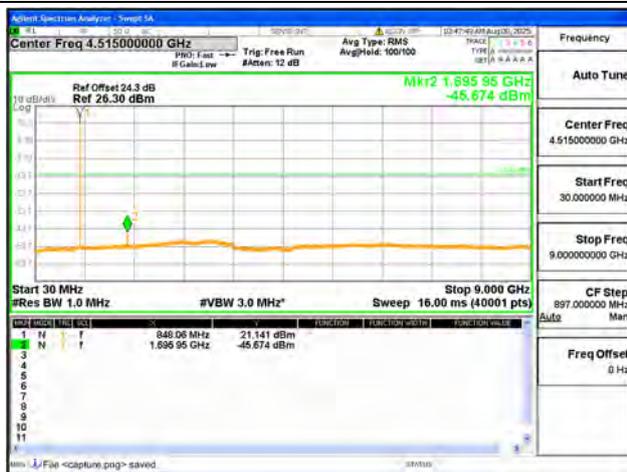
B4 / 20MHz / High CH / QPSK



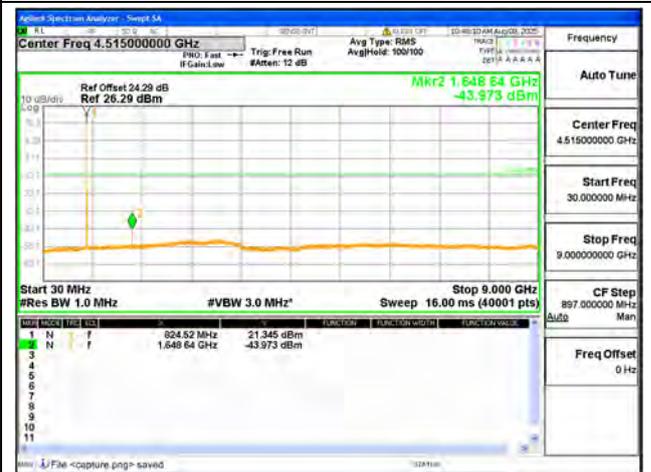
B5 / 1.4MHz / Low CH / QPSK



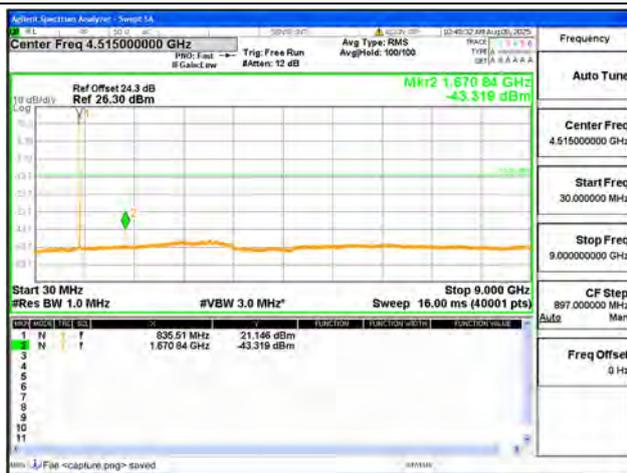
B5 / 1.4MHz / Mid CH / QPSK



B5 / 1.4MHz / High CH / QPSK



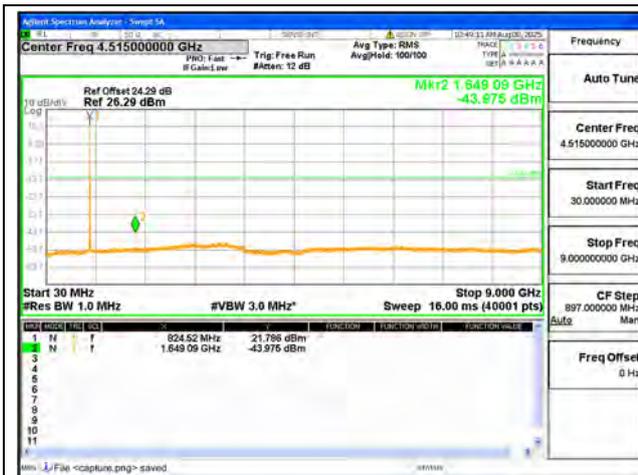
B5 / 3MHz / Low CH / QPSK



B5 / 3MHz / Mid CH / QPSK



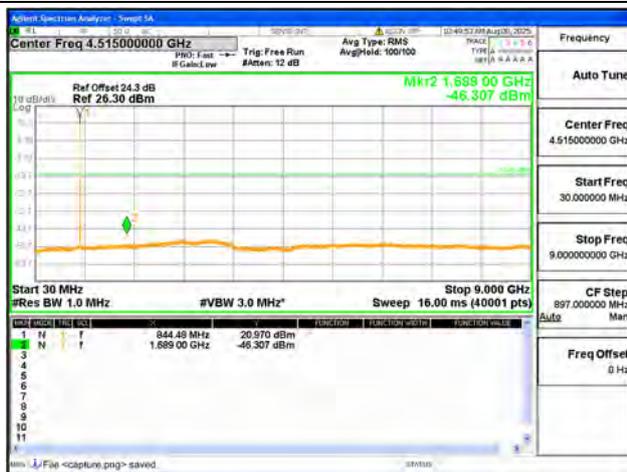
B5 / 3MHz / High CH / QPSK



B5 / 5MHz / Low CH / QPSK



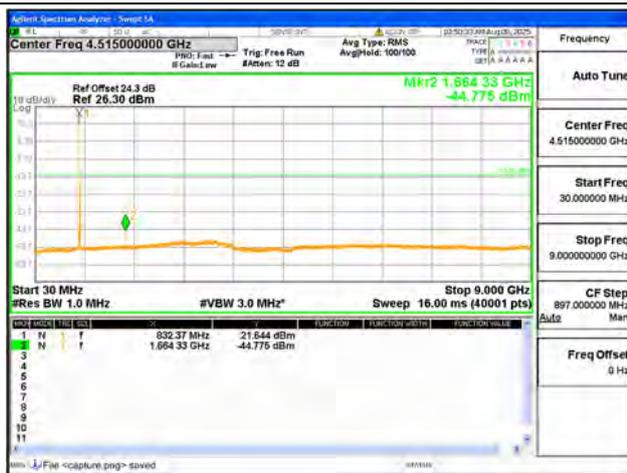
B5 / 5MHz / Mid CH / QPSK



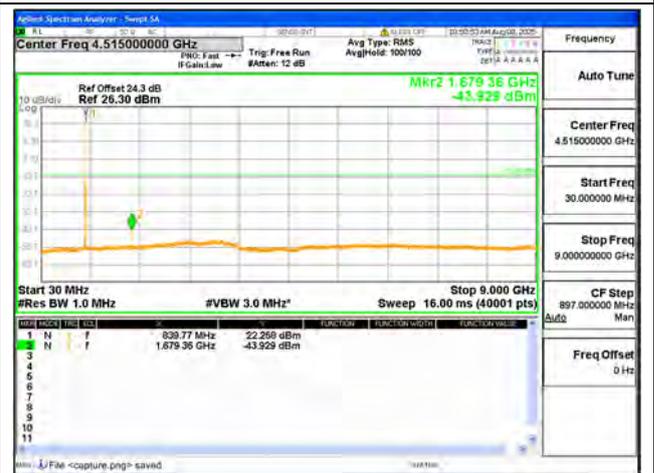
B5 / 5MHz / High CH / QPSK



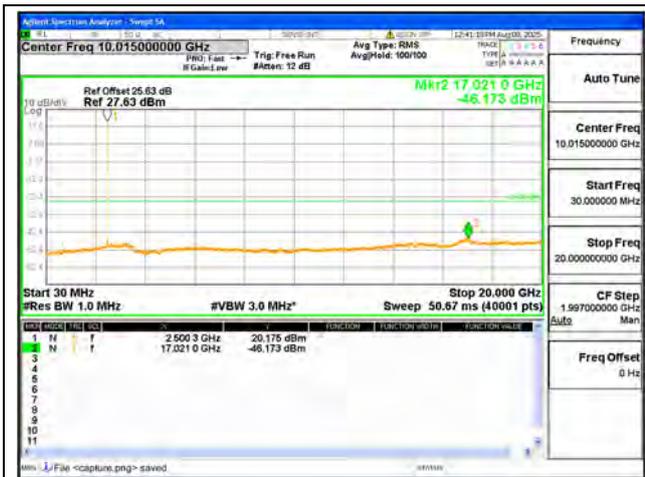
B5 / 10MHz / Low CH / QPSK



B5 / 10MHz / Mid CH / QPSK



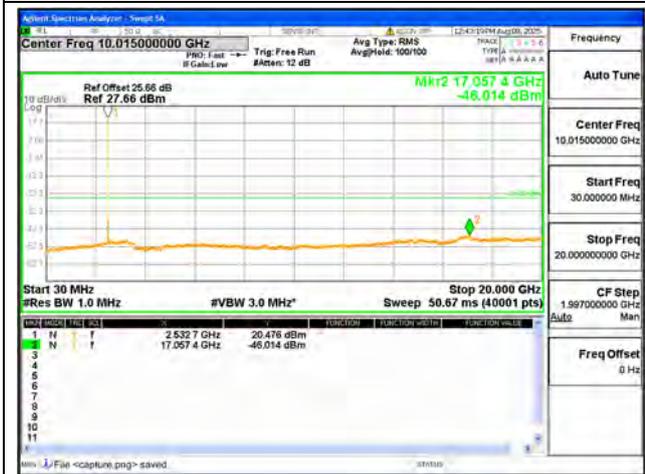
B5 / 10MHz / High CH / QPSK



B7-30M-20G / 5MHz / Low CH / QPSK



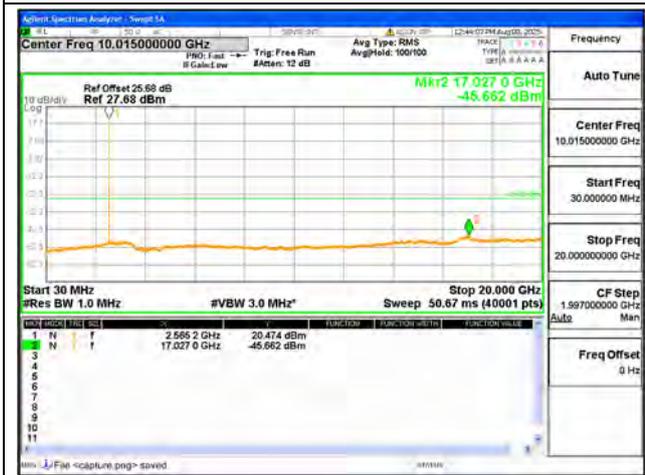
B7-20G-26G / 5MHz / Low CH / QPSK



B7-30M-20G / 5MHz / Mid CH / QPSK



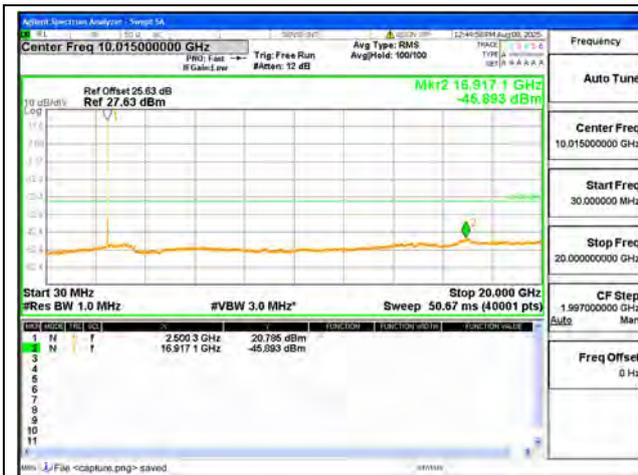
B7-20G-26G / 5MHz / Mid CH / QPSK



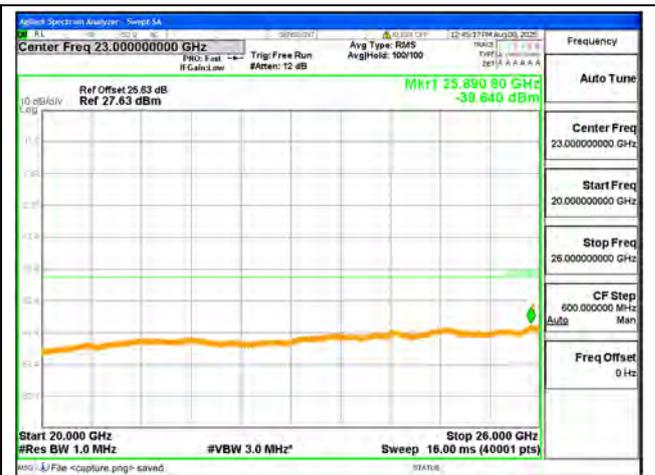
B7-30M-20G / 5MHz / High CH / QPSK



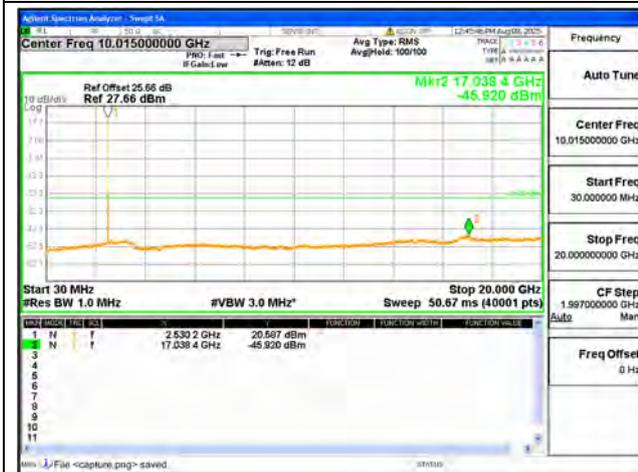
B7-20G-26G / 5MHz / High CH / QPSK



B7-30M-20G / 10MHz / Low CH / QPSK



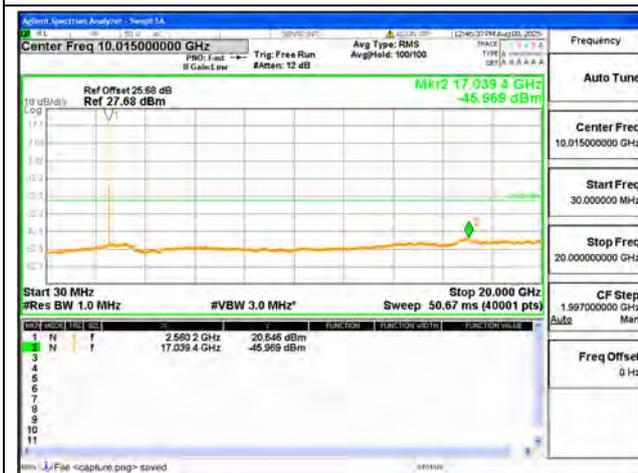
B7-20G-26G / 10MHz / Low CH / QPSK



B7-30M-20G / 10MHz / Mid CH / QPSK



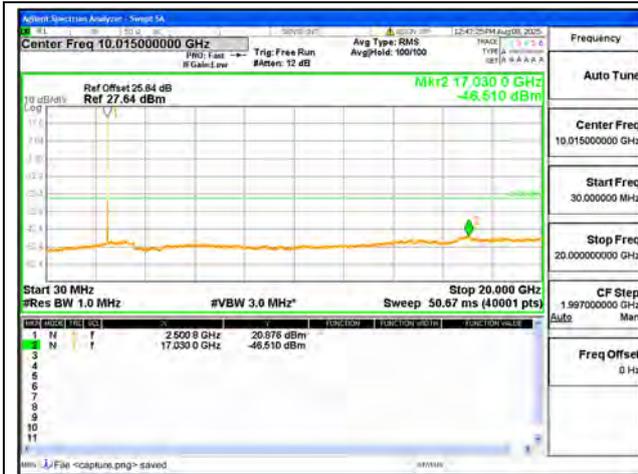
B7-20G-26G / 10MHz / Mid CH / QPSK



B7-30M-20G / 10MHz / High CH / QPSK



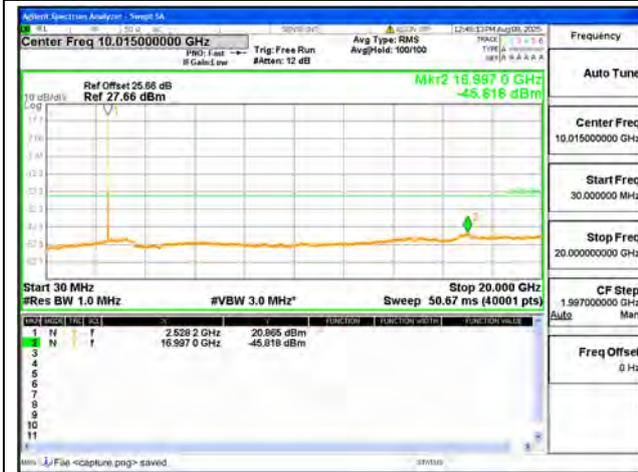
B7-20G-26G / 10MHz / High CH / QPSK



B7-30M-20G / 15MHz / Low CH / QPSK



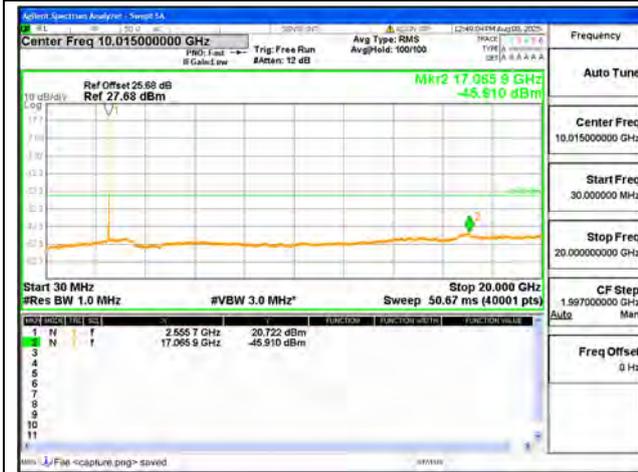
B7-20G-26G / 15MHz / Low CH / QPSK



B7-30M-20G / 15MHz / Mid CH / QPSK



B7-20G-26G / 15MHz / Mid CH / QPSK



B7-30M-20G / 15MHz / High CH / QPSK



B7-20G-26G / 15MHz / High CH / QPSK