



TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Smart Phone

MODEL NAME : G44

BRAND NAME : BLU

FCC ID : YHLBLU44H

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 : 2024-05-29

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Change History		
Version	Date	Reason for change
1.0	2024-07-22	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.:	7#	
Hardware Version:	J518E_63AD3EFM20_G11U	
Software Version:	BLU_G0970_V14.0.G.03.00_GENERIC_25-06	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not Support	
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	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	-1.20dBi
	LTE Band 4	-0.85dBi
	LTE Band 5	-1.56dBi
	LTE Band 7	0.62dBi
	LTE Band 12	-1.85dBi
	LTE Band 17	-1.85dBi
	LTE Band 66	-0.85dBi
	LTE Band 71	-2.15dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C906648400L
	Serial No.:	N/A
	Capacity:	4000mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.4V
	Manufacturer:	Shenzhen Aerospace Electronic Co.,Ltd.
	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-AR-1002
	Serial No.:	N/A
	Rated Output:	5.0V=1000mA
	Rated Input:	100-240V~50/60Hz, 0.2A
	Manufacturer:	SHENZHEN ZHONGFUXIN TECHNOIOGY CO.,LTD.

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

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

LTE Band 2		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.172	0.147	0.113	17M9G7D	17M9W7D	18M0W7D	
15	0.171	0.146	0.112	13M5G7D	13M4W7D	13M4W7D	
10	0.169	0.146	0.112	8M96G7D	8M94W7D	8M96W7D	
5	0.168	0.152	0.107	4M47G7D	4M48W7D	4M48W7D	
3	0.170	0.145	0.112	2M72G7D	2M72W7D	2M72W7D	
1.4	0.169	0.145	0.107	1M10G7D	1M10W7D	1M11W7D	
LTE Band 4		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.185	0.155	0.117	17M9G7D	18M0W7D	17M9W7D	
15	0.184	0.152	0.117	13M5G7D	13M4W7D	13M4W7D	
10	0.183	0.154	0.116	8M97G7D	8M94W7D	8M95W7D	
5	0.183	0.154	0.117	4M48G7D	4M47W7D	4M48W7D	
3	0.183	0.153	0.117	2M72G7D	2M72W7D	2M72W7D	
1.4	0.185	0.152	0.117	1M10G7D	1M10W7D	1M11W7D	
LTE Band 5		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.087	0.071	0.058	8M96G7D	8M94W7D	8M96W7D	
5	0.086	0.070	0.057	4M47G7D	4M48W7D	4M48W7D	
3	0.086	0.070	0.057	2M72G7D	2M71W7D	2M71W7D	
1.4	0.086	0.070	0.058	1M10G7D	1M10W7D	1M10W7D	
LTE Band 7		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.257	0.211	0.177	17M9G7D	17M9W7D	17M9W7D	
15	0.256	0.210	0.175	13M5G7D	13M4W7D	13M4W7D	
10	0.254	0.208	0.175	8M96G7D	8M94W7D	8M95W7D	
5	0.255	0.208	0.176	4M47G7D	4M48W7D	4M48W7D	
LTE Band 12		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.082	0.067	0.054	8M96G7D	8M94W7D	8M96W7D	
5	0.080	0.066	0.053	4M47G7D	4M48W7D	4M48W7D	
3	0.080	0.066	0.054	2M72G7D	2M72W7D	2M72W7D	
1.4	0.081	0.066	0.053	1M10G7D	1M10W7D	1M10W7D	



LTE Band 17	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.081	0.069	0.053	8M95G7D	8M93W7D	8M96W7D
5	0.081	0.068	0.053	4M47G7D	4M48W7D	4M48W7D
LTE Band 66	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.185	0.162	0.120	17M9G7D	17M9W7D	17M9W7D
15	0.182	0.159	0.118	13M5G7D	13M4W7D	13M4W7D
10	0.181	0.159	0.116	8M95G7D	8M94W7D	8M96W7D
5	0.180	0.158	0.117	4M48G7D	4M47W7D	4M48W7D
3	0.182	0.158	0.118	2M72G7D	2M72W7D	2M71W7D
1.4	0.182	0.157	0.117	1M10G7D	1M10W7D	1M10W7D
LTE Band 71	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.076	0.062	0.048	17M9G7D	17M9W7D	17M9W7D
15	0.075	0.061	0.048	13M5G7D	13M4W7D	13M4W7D
10	0.075	0.061	0.048	8M96G7D	8M94W7D	8M95W7D
5	0.076	0.061	0.047	4M47G7D	4M47W7D	4M48W7D



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Jun. 20, 2024	Tan Xiaowei Gan Jing	PASS	No deviation
2.1049	Occupied Bandwidth	Jun. 13&14, 2024	Gan Jing	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Jun. 20, 2024	Gan Jing	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Jun. 20, 2024	Gan Jing	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Jun. 13, 2024	Gan Jing	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g)	Band Edge	Jun. 07&13, 2024	Gan Jing	PASS	No deviation



27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Jun. 18&19, 2024	Gao Jianrou	PASS	No deviation

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

Note 3: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

1.5. Environmental Conditions

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

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



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

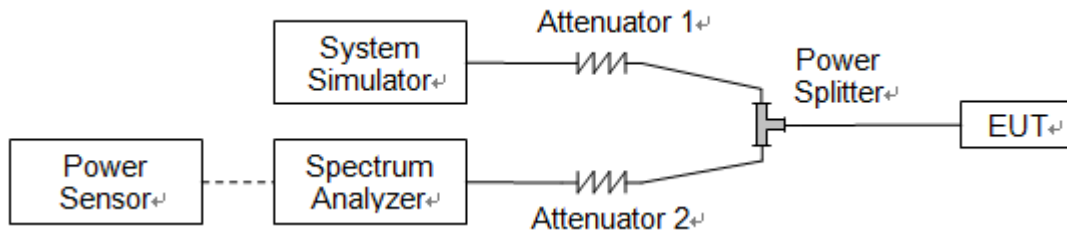
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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	23.55	23.51	23.45
20	QPSK	1	49	23.51	23.49	23.42
20	QPSK	1	99	23.45	23.35	23.39
20	QPSK	50	0	22.81	22.71	22.79
20	QPSK	50	24	22.68	22.64	22.64
20	QPSK	50	50	22.75	22.71	22.68
20	QPSK	100	0	22.77	22.70	22.73
20	16QAM	1	0	22.87	22.85	22.82
20	16QAM	1	49	22.84	22.76	22.79
20	16QAM	1	99	22.80	22.79	22.75
20	16QAM	50	0	21.53	21.45	21.44
20	16QAM	50	24	21.52	21.49	21.50
20	16QAM	50	50	21.50	21.47	21.49
20	16QAM	100	0	21.49	21.41	21.43
20	64QAM	1	0	21.73	21.63	21.70
20	64QAM	1	49	21.72	21.68	21.62
20	64QAM	1	99	21.70	21.63	21.65
20	64QAM	50	0	19.53	19.46	19.45
20	64QAM	50	24	19.50	19.47	19.48
20	64QAM	50	50	19.48	19.40	19.39
20	64QAM	100	0	19.47	19.46	19.46



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.53	23.47	23.36
15	QPSK	1	37	23.47	23.39	23.34
15	QPSK	1	74	23.38	23.34	23.34
15	QPSK	36	0	22.75	22.65	22.74
15	QPSK	36	20	22.67	22.59	22.59
15	QPSK	36	39	22.72	22.61	22.64
15	QPSK	75	0	22.70	22.60	22.72
15	16QAM	1	0	22.79	22.84	22.76
15	16QAM	1	37	22.82	22.72	22.78
15	16QAM	1	74	22.72	22.78	22.69
15	16QAM	36	0	21.44	21.42	21.43
15	16QAM	36	20	21.48	21.42	21.42
15	16QAM	36	39	21.45	21.38	21.48
15	16QAM	75	0	21.48	21.33	21.34
15	64QAM	1	0	21.65	21.54	21.66
15	64QAM	1	37	21.67	21.59	21.61
15	64QAM	1	74	21.69	21.57	21.60
15	64QAM	36	0	19.48	19.45	19.37
15	64QAM	36	20	19.41	19.45	19.41
15	64QAM	36	39	19.45	19.38	19.31
15	64QAM	75	0	19.44	19.36	19.38



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.48	23.49	23.36
10	QPSK	1	25	23.43	23.45	23.37
10	QPSK	1	49	23.39	23.30	23.35
10	QPSK	25	0	22.78	22.64	22.69
10	QPSK	25	12	22.65	22.58	22.56
10	QPSK	25	25	22.70	22.63	22.67
10	QPSK	50	0	22.69	22.67	22.66
10	16QAM	1	0	22.78	22.83	22.81
10	16QAM	1	25	22.82	22.70	22.77
10	16QAM	1	49	22.73	22.73	22.74
10	16QAM	25	0	21.47	21.41	21.41
10	16QAM	25	12	21.49	21.39	21.45
10	16QAM	25	25	21.40	21.43	21.42
10	16QAM	50	0	21.42	21.39	21.40
10	64QAM	1	0	21.70	21.56	21.65
10	64QAM	1	25	21.67	21.65	21.61
10	64QAM	1	49	21.65	21.57	21.62
10	64QAM	25	0	19.52	19.38	19.39
10	64QAM	25	12	19.44	19.44	19.42
10	64QAM	25	25	19.40	19.38	19.36
10	64QAM	50	0	19.37	19.36	19.37



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	23.46	23.41	23.39
5	QPSK	1	12	23.43	23.42	23.36
5	QPSK	1	24	23.39	23.31	23.35
5	QPSK	12	0	22.73	22.69	22.74
5	QPSK	12	7	22.63	22.60	22.62
5	QPSK	12	13	22.67	22.68	22.66
5	QPSK	25	0	22.71	22.69	22.66
5	16QAM	1	0	23.01	23.02	22.97
5	16QAM	1	12	22.98	22.87	22.91
5	16QAM	1	24	22.95	22.90	22.86
5	16QAM	12	0	21.51	21.36	21.41
5	16QAM	12	7	21.45	21.45	21.44
5	16QAM	12	13	21.49	21.41	21.41
5	16QAM	25	0	21.40	21.34	21.36
5	64QAM	1	0	21.45	21.38	21.48
5	64QAM	1	12	21.50	21.42	21.39
5	64QAM	1	24	21.48	21.39	21.35
5	64QAM	12	0	19.48	19.37	19.43
5	64QAM	12	7	19.44	19.45	19.40
5	64QAM	12	13	19.38	19.30	19.35
5	64QAM	25	0	19.43	19.44	19.45



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.51	23.47	23.36
3	QPSK	1	8	23.46	23.46	23.35
3	QPSK	1	14	23.40	23.26	23.35
3	QPSK	8	0	22.71	22.63	22.77
3	QPSK	8	4	22.60	22.57	22.58
3	QPSK	8	7	22.67	22.61	22.64
3	QPSK	15	0	22.72	22.61	22.72
3	16QAM	1	0	22.78	22.82	22.77
3	16QAM	1	8	22.82	22.66	22.78
3	16QAM	1	14	22.75	22.77	22.73
3	16QAM	8	0	21.49	21.43	21.41
3	16QAM	8	4	21.42	21.40	21.41
3	16QAM	8	7	21.48	21.41	21.46
3	16QAM	15	0	21.42	21.38	21.35
3	64QAM	1	0	21.69	21.53	21.61
3	64QAM	1	8	21.67	21.58	21.57
3	64QAM	1	14	21.64	21.62	21.62
3	64QAM	8	0	19.51	19.44	19.42
3	64QAM	8	4	19.40	19.38	19.40
3	64QAM	8	7	19.38	19.33	19.36
3	64QAM	15	0	19.44	19.41	19.45



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	23.48	23.45	23.44
1.4	QPSK	1	3	23.46	23.46	23.40
1.4	QPSK	1	5	23.35	23.34	23.33
1.4	QPSK	3	0	23.43	23.39	23.47
1.4	QPSK	3	1	23.31	23.32	23.26
1.4	QPSK	3	3	23.41	23.38	23.34
1.4	QPSK	6	0	22.74	22.68	22.64
1.4	16QAM	1	0	22.77	22.82	22.78
1.4	16QAM	1	3	22.81	22.75	22.70
1.4	16QAM	1	5	22.76	22.77	22.71
1.4	16QAM	3	0	22.70	22.64	22.60
1.4	16QAM	3	1	22.65	22.66	22.67
1.4	16QAM	3	3	22.61	22.66	22.61
1.4	16QAM	6	0	21.25	21.18	21.14
1.4	64QAM	1	0	21.51	21.40	21.46
1.4	64QAM	1	3	21.46	21.39	21.34
1.4	64QAM	1	5	21.40	21.33	21.35
1.4	64QAM	3	0	20.87	20.84	20.75
1.4	64QAM	3	1	20.87	20.79	20.78
1.4	64QAM	3	3	20.80	20.74	20.75
1.4	64QAM	6	0	19.41	19.43	19.45



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	23.47	23.52	23.49
20	QPSK	1	49	23.43	23.50	23.47
20	QPSK	1	99	23.38	23.48	23.45
20	QPSK	50	0	22.73	22.74	22.65
20	QPSK	50	24	22.70	22.71	22.65
20	QPSK	50	50	22.68	22.69	22.67
20	QPSK	100	0	22.61	22.67	22.57
20	16QAM	1	0	22.73	22.75	22.71
20	16QAM	1	49	22.63	22.72	22.68
20	16QAM	1	99	22.63	22.70	22.63
20	16QAM	50	0	21.50	21.55	21.47
20	16QAM	50	24	21.47	21.53	21.43
20	16QAM	50	50	21.44	21.51	21.48
20	16QAM	100	0	21.41	21.49	21.46
20	64QAM	1	0	21.49	21.55	21.53
20	64QAM	1	49	21.45	21.53	21.49
20	64QAM	1	99	21.47	21.50	21.46
20	64QAM	50	0	19.43	19.48	19.45
20	64QAM	50	24	19.41	19.47	19.42
20	64QAM	50	50	19.36	19.45	19.35
20	64QAM	100	0	19.36	19.44	19.34



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	23.45	23.49	23.41
15	QPSK	1	37	23.36	23.48	23.39
15	QPSK	1	74	23.29	23.40	23.40
15	QPSK	36	0	22.71	22.69	22.58
15	QPSK	36	20	22.66	22.65	22.63
15	QPSK	36	39	22.65	22.66	22.62
15	QPSK	75	0	22.59	22.65	22.47
15	16QAM	1	0	22.64	22.65	22.66
15	16QAM	1	37	22.60	22.62	22.58
15	16QAM	1	74	22.56	22.68	22.57
15	16QAM	36	0	21.43	21.48	21.43
15	16QAM	36	20	21.42	21.48	21.34
15	16QAM	36	39	21.36	21.47	21.44
15	16QAM	75	0	21.35	21.47	21.44
15	64QAM	1	0	21.46	21.53	21.51
15	64QAM	1	37	21.39	21.45	21.45
15	64QAM	1	74	21.46	21.40	21.45
15	64QAM	36	0	19.41	19.39	19.39
15	64QAM	36	20	19.36	19.45	19.33
15	64QAM	36	39	19.31	19.43	19.25
15	64QAM	75	0	19.28	19.38	19.29



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	23.38	23.46	23.43
10	QPSK	1	25	23.34	23.48	23.42
10	QPSK	1	49	23.37	23.44	23.38
10	QPSK	25	0	22.67	22.65	22.60
10	QPSK	25	12	22.64	22.62	22.64
10	QPSK	25	25	22.66	22.67	22.60
10	QPSK	50	0	22.54	22.61	22.56
10	16QAM	1	0	22.72	22.71	22.67
10	16QAM	1	25	22.56	22.66	22.61
10	16QAM	1	49	22.58	22.64	22.58
10	16QAM	25	0	21.47	21.50	21.43
10	16QAM	25	12	21.39	21.52	21.37
10	16QAM	25	25	21.43	21.44	21.38
10	16QAM	50	0	21.37	21.43	21.43
10	64QAM	1	0	21.43	21.45	21.47
10	64QAM	1	25	21.37	21.44	21.43
10	64QAM	1	49	21.42	21.49	21.41
10	64QAM	25	0	19.33	19.43	19.41
10	64QAM	25	12	19.31	19.39	19.32
10	64QAM	25	25	19.35	19.40	19.29
10	64QAM	50	0	19.31	19.43	19.27



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.42	23.43	23.47
5	QPSK	1	12	23.40	23.40	23.42
5	QPSK	1	24	23.36	23.38	23.35
5	QPSK	12	0	22.71	22.69	22.58
5	QPSK	12	7	22.60	22.66	22.55
5	QPSK	12	13	22.60	22.62	22.63
5	QPSK	25	0	22.59	22.57	22.49
5	16QAM	1	0	22.67	22.72	22.67
5	16QAM	1	12	22.59	22.65	22.63
5	16QAM	1	24	22.62	22.62	22.61
5	16QAM	12	0	21.40	21.50	21.37
5	16QAM	12	7	21.46	21.46	21.38
5	16QAM	12	13	21.43	21.42	21.39
5	16QAM	25	0	21.37	21.39	21.43
5	64QAM	1	0	21.41	21.53	21.51
5	64QAM	1	12	21.36	21.44	21.44
5	64QAM	1	24	21.40	21.44	21.38
5	64QAM	12	0	19.41	19.43	19.38
5	64QAM	12	7	19.38	19.46	19.32
5	64QAM	12	13	19.27	19.41	19.34
5	64QAM	25	0	19.26	19.42	19.32



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	23.38	23.45	23.47
3	QPSK	1	8	23.39	23.48	23.38
3	QPSK	1	14	23.34	23.42	23.44
3	QPSK	8	0	22.71	22.64	22.57
3	QPSK	8	4	22.67	22.67	22.56
3	QPSK	8	7	22.66	22.60	22.57
3	QPSK	15	0	22.53	22.65	22.50
3	16QAM	1	0	22.71	22.70	22.68
3	16QAM	1	8	22.61	22.65	22.66
3	16QAM	1	14	22.59	22.62	22.54
3	16QAM	8	0	21.47	21.52	21.43
3	16QAM	8	4	21.45	21.43	21.34
3	16QAM	8	7	21.38	21.49	21.38
3	16QAM	15	0	21.31	21.47	21.41
3	64QAM	1	0	21.42	21.54	21.49
3	64QAM	1	8	21.38	21.49	21.39
3	64QAM	1	14	21.38	21.49	21.43
3	64QAM	8	0	19.37	19.42	19.40
3	64QAM	8	4	19.38	19.40	19.32
3	64QAM	8	7	19.30	19.42	19.30
3	64QAM	15	0	19.32	19.37	19.30



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	23.40	23.51	23.39
1.4	QPSK	1	3	23.34	23.40	23.39
1.4	QPSK	1	5	23.34	23.47	23.37
1.4	QPSK	3	0	23.39	23.40	23.25
1.4	QPSK	3	1	23.35	23.32	23.29
1.4	QPSK	3	3	23.34	23.34	23.30
1.4	QPSK	6	0	22.53	22.66	22.50
1.4	16QAM	1	0	22.68	22.66	22.62
1.4	16QAM	1	3	22.59	22.68	22.64
1.4	16QAM	1	5	22.62	22.61	22.55
1.4	16QAM	3	0	22.14	22.16	22.09
1.4	16QAM	3	1	22.15	22.21	22.07
1.4	16QAM	3	3	22.04	22.19	22.15
1.4	16QAM	6	0	21.32	21.41	21.38
1.4	64QAM	1	0	21.48	21.52	21.46
1.4	64QAM	1	3	21.36	21.44	21.40
1.4	64QAM	1	5	21.44	21.49	21.41
1.4	64QAM	3	0	21.51	21.54	21.46
1.4	64QAM	3	1	21.50	21.47	21.47
1.4	64QAM	3	3	21.41	21.45	21.43
1.4	64QAM	6	0	19.29	19.43	19.30



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	23.03	23.09	23.05
10	QPSK	1	25	23.00	23.08	23.02
10	QPSK	1	49	23.01	23.05	22.99
10	QPSK	25	0	22.04	22.13	22.11
10	QPSK	25	12	22.07	22.08	22.03
10	QPSK	25	25	22.07	22.12	22.08
10	QPSK	50	0	22.00	22.07	22.04
10	16QAM	1	0	22.18	22.20	22.15
10	16QAM	1	25	22.15	22.17	22.07
10	16QAM	1	49	22.14	22.15	22.10
10	16QAM	25	0	21.15	21.21	21.19
10	16QAM	25	12	21.01	21.08	21.04
10	16QAM	25	25	21.00	21.02	20.96
10	16QAM	50	0	20.93	20.98	20.89
10	64QAM	1	0	21.31	21.34	21.30
10	64QAM	1	25	21.27	21.33	21.26
10	64QAM	1	49	21.25	21.30	21.23
10	64QAM	25	0	19.85	19.94	19.88
10	64QAM	25	12	19.87	19.90	19.83
10	64QAM	25	25	19.90	19.91	19.87
10	64QAM	50	0	19.82	19.88	19.83



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.95	23.07	23.01
5	QPSK	1	12	22.92	23.02	22.94
5	QPSK	1	24	23.00	22.95	22.96
5	QPSK	12	0	21.99	22.07	22.01
5	QPSK	12	7	21.97	22.06	22.01
5	QPSK	12	13	22.04	22.05	22.01
5	QPSK	25	0	21.95	21.97	21.96
5	16QAM	1	0	22.16	22.13	22.14
5	16QAM	1	12	22.05	22.07	21.97
5	16QAM	1	24	22.07	22.07	22.01
5	16QAM	12	0	21.07	21.11	21.09
5	16QAM	12	7	20.94	21.05	21.03
5	16QAM	12	13	20.94	21.01	20.86
5	16QAM	25	0	20.92	20.97	20.82
5	64QAM	1	0	21.29	21.26	21.28
5	64QAM	1	12	21.17	21.30	21.24
5	64QAM	1	24	21.20	21.26	21.14
5	64QAM	12	0	19.80	19.90	19.87
5	64QAM	12	7	19.81	19.82	19.75
5	64QAM	12	13	19.86	19.85	19.82
5	64QAM	25	0	19.80	19.83	19.73



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.97	23.03	23.01
3	QPSK	1	8	22.93	23.06	22.99
3	QPSK	1	14	22.99	23.04	22.90
3	QPSK	8	0	21.99	22.07	22.06
3	QPSK	8	4	22.04	21.98	21.97
3	QPSK	8	7	22.00	22.04	21.98
3	QPSK	15	0	21.90	22.05	22.00
3	16QAM	1	0	22.09	22.19	22.07
3	16QAM	1	8	22.06	22.09	22.06
3	16QAM	1	14	22.07	22.14	22.02
3	16QAM	8	0	21.09	21.17	21.10
3	16QAM	8	4	20.99	21.03	21.00
3	16QAM	8	7	20.96	20.93	20.88
3	16QAM	15	0	20.89	20.88	20.85
3	64QAM	1	0	21.21	21.29	21.21
3	64QAM	1	8	21.22	21.28	21.24
3	64QAM	1	14	21.19	21.24	21.21
3	64QAM	8	0	19.84	19.88	19.83
3	64QAM	8	4	19.81	19.80	19.78
3	64QAM	8	7	19.89	19.82	19.82
3	64QAM	15	0	19.74	19.83	19.74



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.96	22.99	23.01
1.4	QPSK	1	3	22.96	23.07	22.94
1.4	QPSK	1	5	22.94	23.01	22.93
1.4	QPSK	3	0	22.64	22.78	22.80
1.4	QPSK	3	1	22.70	22.75	22.71
1.4	QPSK	3	3	22.68	22.78	22.76
1.4	QPSK	6	0	21.99	21.97	21.98
1.4	16QAM	1	0	22.14	22.19	22.07
1.4	16QAM	1	3	22.10	22.12	22.02
1.4	16QAM	1	5	22.11	22.07	22.09
1.4	16QAM	3	0	21.75	21.82	21.86
1.4	16QAM	3	1	21.62	21.68	21.70
1.4	16QAM	3	3	21.67	21.69	21.56
1.4	16QAM	6	0	20.91	20.92	20.79
1.4	64QAM	1	0	21.28	21.29	21.29
1.4	64QAM	1	3	21.20	21.31	21.24
1.4	64QAM	1	5	21.17	21.27	21.13
1.4	64QAM	3	0	21.22	21.25	21.27
1.4	64QAM	3	1	21.17	21.27	21.13
1.4	64QAM	3	3	21.26	21.23	21.21
1.4	64QAM	6	0	19.80	19.86	19.73



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	23.41	23.48	23.46
20	QPSK	1	49	23.40	23.45	23.40
20	QPSK	1	99	23.38	23.44	23.42
20	QPSK	50	0	22.56	22.60	22.52
20	QPSK	50	24	22.50	22.58	22.51
20	QPSK	50	50	22.55	22.59	22.51
20	QPSK	100	0	22.49	22.56	22.48
20	16QAM	1	0	22.59	22.63	22.56
20	16QAM	1	49	22.56	22.60	22.56
20	16QAM	1	99	22.54	22.58	22.57
20	16QAM	50	0	21.49	21.52	21.51
20	16QAM	50	24	21.44	21.50	21.43
20	16QAM	50	50	21.46	21.49	21.44
20	16QAM	100	0	21.38	21.48	21.46
20	64QAM	1	0	21.76	21.85	21.81
20	64QAM	1	49	21.81	21.84	21.74
20	64QAM	1	99	21.81	21.82	21.80
20	64QAM	50	0	19.59	19.65	19.56
20	64QAM	50	24	19.60	19.64	19.54
20	64QAM	50	50	19.55	19.62	19.54
20	64QAM	100	0	19.55	19.59	19.50



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	23.32	23.46	21.39
15	QPSK	1	37	23.35	23.40	23.31
15	QPSK	1	74	23.31	23.36	23.34
15	QPSK	36	0	22.48	22.58	22.47
15	QPSK	36	20	22.48	22.49	22.48
15	QPSK	36	39	22.53	22.51	22.45
15	QPSK	75	0	22.43	22.52	22.45
15	16QAM	1	0	22.52	22.60	22.49
15	16QAM	1	37	22.51	22.52	22.50
15	16QAM	1	74	22.49	22.57	22.53
15	16QAM	36	0	21.46	21.43	21.50
15	16QAM	36	20	21.43	21.41	21.39
15	16QAM	36	39	21.37	21.43	21.38
15	16QAM	75	0	21.31	21.38	21.37
15	64QAM	1	0	21.67	21.82	21.77
15	64QAM	1	37	21.71	21.75	21.71
15	64QAM	1	74	21.71	21.72	21.70
15	64QAM	36	0	19.55	19.61	19.47
15	64QAM	36	20	19.57	19.56	19.51
15	64QAM	36	39	19.47	19.54	19.53
15	64QAM	75	0	19.53	19.56	19.43



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	23.34	23.39	21.39
10	QPSK	1	25	23.35	23.43	23.33
10	QPSK	1	49	23.34	23.34	23.40
10	QPSK	25	0	22.52	22.57	22.47
10	QPSK	25	12	22.44	22.55	22.42
10	QPSK	25	25	22.51	22.57	22.43
10	QPSK	50	0	22.45	22.53	22.41
10	16QAM	1	0	22.52	22.54	22.49
10	16QAM	1	25	22.49	22.57	22.47
10	16QAM	1	49	22.52	22.54	22.47
10	16QAM	25	0	21.47	21.50	21.41
10	16QAM	25	12	21.35	21.47	21.35
10	16QAM	25	25	21.44	21.47	21.42
10	16QAM	50	0	21.33	21.39	21.38
10	64QAM	1	0	21.70	21.79	21.80
10	64QAM	1	25	21.74	21.81	21.70
10	64QAM	1	49	21.80	21.76	21.72
10	64QAM	25	0	19.51	19.62	19.52
10	64QAM	25	12	19.53	19.59	19.44
10	64QAM	25	25	19.45	19.52	19.46
10	64QAM	50	0	19.51	19.56	19.43



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	23.34	23.45	21.39
5	QPSK	1	12	23.34	23.43	23.37
5	QPSK	1	24	23.30	23.41	23.41
5	QPSK	12	0	22.50	22.59	22.46
5	QPSK	12	7	22.49	22.56	22.41
5	QPSK	12	13	22.45	22.58	22.49
5	QPSK	25	0	22.47	22.50	22.41
5	16QAM	1	0	22.54	22.55	22.53
5	16QAM	1	12	22.47	22.54	22.52
5	16QAM	1	24	22.46	22.56	22.51
5	16QAM	12	0	21.41	21.46	21.42
5	16QAM	12	7	21.39	21.44	21.35
5	16QAM	12	13	21.41	21.47	21.38
5	16QAM	25	0	21.33	21.46	21.36
5	64QAM	1	0	21.75	21.84	21.75
5	64QAM	1	12	21.76	21.80	21.71
5	64QAM	1	24	21.73	21.81	21.74
5	64QAM	12	0	19.51	19.56	19.51
5	64QAM	12	7	19.52	19.63	19.49
5	64QAM	12	13	19.50	19.58	19.50
5	64QAM	25	0	19.52	19.49	19.46



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	23.09	23.06	23.13
10	QPSK	1	25	23.04	23.02	23.04
10	QPSK	1	49	23.00	22.97	23.03
10	QPSK	25	0	22.04	22.06	22.07
10	QPSK	25	12	22.00	21.95	22.04
10	QPSK	25	25	21.92	21.96	22.02
10	QPSK	50	0	21.95	21.97	22.05
10	16QAM	1	0	22.23	22.20	22.24
10	16QAM	1	25	22.18	22.20	22.21
10	16QAM	1	49	22.11	22.14	22.19
10	16QAM	25	0	21.11	21.07	21.13
10	16QAM	25	12	21.09	21.08	21.11
10	16QAM	25	25	21.03	21.01	21.09
10	16QAM	50	0	21.06	21.10	21.11
10	64QAM	1	0	21.24	21.24	21.31
10	64QAM	1	25	21.23	21.19	21.28
10	64QAM	1	49	21.22	21.20	21.25
10	64QAM	25	0	20.56	20.53	20.62
10	64QAM	25	12	20.54	20.57	20.58
10	64QAM	25	25	20.49	20.45	20.55
10	64QAM	50	0	20.50	20.49	20.57



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	23.02	23.01	23.02
5	QPSK	1	12	22.98	22.96	22.97
5	QPSK	1	24	22.90	22.95	22.93
5	QPSK	12	0	21.95	21.98	22.06
5	QPSK	12	7	21.98	21.93	21.99
5	QPSK	12	13	21.86	21.93	21.98
5	QPSK	25	0	21.90	21.92	21.96
5	16QAM	1	0	22.17	22.16	22.19
5	16QAM	1	12	22.12	22.12	22.14
5	16QAM	1	24	22.09	22.09	22.15
5	16QAM	12	0	21.06	21.05	21.09
5	16QAM	12	7	21.02	21.04	21.09
5	16QAM	12	13	20.97	20.97	21.02
5	16QAM	25	0	21.04	21.03	21.07
5	64QAM	1	0	21.17	21.23	21.28
5	64QAM	1	12	21.19	21.12	21.21
5	64QAM	1	24	21.12	21.16	21.16
5	64QAM	12	0	20.53	20.51	20.53
5	64QAM	12	7	20.44	20.49	20.51
5	64QAM	12	13	20.41	20.39	20.48
5	64QAM	25	0	20.44	20.39	20.50



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	23.05	22.93	23.05
3	QPSK	1	8	23.01	22.95	23.00
3	QPSK	1	14	22.97	22.92	22.99
3	QPSK	8	0	22.03	22.02	22.06
3	QPSK	8	4	21.93	21.92	22.00
3	QPSK	8	7	21.85	21.87	21.97
3	QPSK	15	0	21.93	21.92	21.98
3	16QAM	1	0	22.13	22.10	22.15
3	16QAM	1	8	22.11	22.17	22.20
3	16QAM	1	14	22.06	22.11	22.13
3	16QAM	8	0	21.10	21.06	21.05
3	16QAM	8	4	21.05	21.01	21.05
3	16QAM	8	7	20.99	20.99	21.04
3	16QAM	15	0	20.99	21.00	21.06
3	64QAM	1	0	21.15	21.20	21.30
3	64QAM	1	8	21.22	21.11	21.27
3	64QAM	1	14	21.21	21.19	21.16
3	64QAM	8	0	20.49	20.44	20.58
3	64QAM	8	4	20.44	20.51	20.53
3	64QAM	8	7	20.42	20.44	20.52
3	64QAM	15	0	20.49	20.48	20.54



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	23.02	23.00	23.08
1.4	QPSK	1	3	23.03	23.01	23.03
1.4	QPSK	1	5	22.93	22.89	22.96
1.4	QPSK	3	0	22.73	22.66	22.75
1.4	QPSK	3	1	22.64	22.60	22.68
1.4	QPSK	3	3	22.58	22.63	22.65
1.4	QPSK	6	0	21.87	21.96	21.96
1.4	16QAM	1	0	22.21	22.12	22.16
1.4	16QAM	1	3	22.15	22.14	22.19
1.4	16QAM	1	5	22.01	22.07	22.16
1.4	16QAM	3	0	21.80	21.72	21.80
1.4	16QAM	3	1	21.77	21.72	21.71
1.4	16QAM	3	3	21.72	21.64	21.78
1.4	16QAM	6	0	21.04	21.02	21.07
1.4	64QAM	1	0	21.16	21.17	21.21
1.4	64QAM	1	3	21.18	21.11	21.21
1.4	64QAM	1	5	21.16	21.13	21.16
1.4	64QAM	3	0	21.19	21.20	21.27
1.4	64QAM	3	1	21.20	21.18	21.27
1.4	64QAM	3	3	21.11	21.07	21.15
1.4	64QAM	6	0	20.49	20.39	20.54



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	23.09	23.11	23.06
10	QPSK	1	25	23.06	23.08	22.99
10	QPSK	1	49	23.03	23.05	22.97
10	QPSK	25	0	21.97	22.04	21.95
10	QPSK	25	12	22.01	22.03	21.98
10	QPSK	25	25	21.97	22.01	21.94
10	QPSK	50	0	21.95	22.00	21.97
10	16QAM	1	0	22.26	22.36	22.31
10	16QAM	1	25	22.31	22.33	22.25
10	16QAM	1	49	22.26	22.31	22.23
10	16QAM	25	0	20.87	20.96	20.89
10	16QAM	25	12	20.93	20.94	20.89
10	16QAM	25	25	20.89	20.92	20.88
10	16QAM	50	0	20.85	20.91	20.83
10	64QAM	1	0	21.26	21.28	21.26
10	64QAM	1	25	21.22	21.25	21.18
10	64QAM	1	49	21.12	21.22	21.18
10	64QAM	25	0	20.55	20.60	20.50
10	64QAM	25	12	20.56	20.58	20.49
10	64QAM	25	25	20.53	20.55	20.49
10	64QAM	50	0	20.44	20.54	20.53



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	23.00	23.08	22.97
5	QPSK	1	12	22.96	22.99	22.92
5	QPSK	1	24	22.94	23.01	22.90
5	QPSK	12	0	21.87	21.95	21.91
5	QPSK	12	7	21.99	21.99	21.89
5	QPSK	12	13	21.89	21.92	21.88
5	QPSK	25	0	21.94	21.90	21.87
5	16QAM	1	0	22.17	22.29	22.27
5	16QAM	1	12	22.27	22.32	22.15
5	16QAM	1	24	22.22	22.29	22.13
5	16QAM	12	0	20.84	20.93	20.82
5	16QAM	12	7	20.90	20.92	20.87
5	16QAM	12	13	20.85	20.85	20.80
5	16QAM	25	0	20.84	20.82	20.81
5	64QAM	1	0	21.20	21.18	21.18
5	64QAM	1	12	21.21	21.22	21.12
5	64QAM	1	24	21.02	21.13	21.17
5	64QAM	12	0	20.50	20.50	20.40
5	64QAM	12	7	20.50	20.54	20.43
5	64QAM	12	13	20.52	20.51	20.47
5	64QAM	25	0	20.39	20.52	20.49



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	23.46	23.53	23.50
20	QPSK	1	49	23.45	23.50	23.46
20	QPSK	1	99	23.43	23.47	23.41
20	QPSK	50	0	22.77	22.80	22.76
20	QPSK	50	24	22.74	22.77	22.72
20	QPSK	50	50	22.69	22.75	22.71
20	QPSK	100	0	22.64	22.74	22.68
20	16QAM	1	0	22.85	22.94	22.92
20	16QAM	1	49	22.90	22.92	22.90
20	16QAM	1	99	22.82	22.90	22.84
20	16QAM	50	0	21.54	21.56	21.51
20	16QAM	50	24	21.51	21.53	21.51
20	16QAM	50	50	21.42	21.52	21.51
20	16QAM	100	0	21.47	21.50	21.45
20	64QAM	1	0	21.59	21.63	21.61
20	64QAM	1	49	21.52	21.61	21.54
20	64QAM	1	99	21.59	21.60	21.52
20	64QAM	50	0	19.78	19.87	19.84
20	64QAM	50	24	19.76	19.85	19.80
20	64QAM	50	50	19.82	19.83	19.80
20	64QAM	100	0	19.79	19.82	19.73



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	23.33	23.46	23.44
15	QPSK	1	37	23.38	23.35	23.32
15	QPSK	1	74	23.31	23.38	23.30
15	QPSK	36	0	22.66	22.71	22.67
15	QPSK	36	20	22.61	22.69	22.64
15	QPSK	36	39	22.55	22.62	22.65
15	QPSK	75	0	22.58	22.64	22.59
15	16QAM	1	0	22.74	22.87	22.81
15	16QAM	1	37	22.82	22.84	22.77
15	16QAM	1	74	22.75	22.82	22.71
15	16QAM	36	0	21.39	21.41	21.39
15	16QAM	36	20	21.45	21.45	21.38
15	16QAM	36	39	21.33	21.42	21.40
15	16QAM	75	0	21.34	21.43	21.34
15	64QAM	1	0	21.46	21.57	21.46
15	64QAM	1	37	21.41	21.55	21.40
15	64QAM	1	74	21.53	21.47	21.44
15	64QAM	36	0	19.69	19.75	19.75
15	64QAM	36	20	19.61	19.79	19.74
15	64QAM	36	39	19.74	19.72	19.65
15	64QAM	75	0	19.64	19.75	19.64



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	23.40	23.43	23.37
10	QPSK	1	25	23.36	23.37	23.39
10	QPSK	1	49	23.35	23.38	23.32
10	QPSK	25	0	22.67	22.72	22.64
10	QPSK	25	12	22.68	22.71	22.57
10	QPSK	25	25	22.61	22.63	22.62
10	QPSK	50	0	22.57	22.66	22.54
10	16QAM	1	0	22.72	22.81	22.86
10	16QAM	1	25	22.84	22.80	22.76
10	16QAM	1	49	22.67	22.77	22.76
10	16QAM	25	0	21.44	21.43	21.40
10	16QAM	25	12	21.45	21.40	21.44
10	16QAM	25	25	21.35	21.39	21.40
10	16QAM	50	0	21.41	21.42	21.32
10	64QAM	1	0	21.45	21.48	21.50
10	64QAM	1	25	21.42	21.50	21.45
10	64QAM	1	49	21.46	21.47	21.40
10	64QAM	25	0	19.71	19.75	19.70
10	64QAM	25	12	19.66	19.71	19.65
10	64QAM	25	25	19.73	19.69	19.66
10	64QAM	50	0	19.69	19.75	19.58



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	23.31	23.40	23.37
5	QPSK	1	12	23.34	23.35	23.37
5	QPSK	1	24	23.31	23.32	23.33
5	QPSK	12	0	22.66	22.68	22.63
5	QPSK	12	7	22.68	22.67	22.63
5	QPSK	12	13	22.56	22.65	22.61
5	QPSK	25	0	22.54	22.63	22.59
5	16QAM	1	0	22.78	22.84	22.78
5	16QAM	1	12	22.76	22.85	22.83
5	16QAM	1	24	22.74	22.83	22.78
5	16QAM	12	0	21.41	21.45	21.45
5	16QAM	12	7	21.43	21.42	21.37
5	16QAM	12	13	21.31	21.38	21.36
5	16QAM	25	0	21.37	21.43	21.32
5	64QAM	1	0	21.48	21.52	21.53
5	64QAM	1	12	21.45	21.48	21.48
5	64QAM	1	24	21.53	21.45	21.44
5	64QAM	12	0	19.67	19.81	19.70
5	64QAM	12	7	19.64	19.73	19.65
5	64QAM	12	13	19.67	19.76	19.74
5	64QAM	25	0	19.65	19.70	19.66



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	23.35	23.45	23.37
3	QPSK	1	8	23.31	23.43	23.39
3	QPSK	1	14	23.37	23.32	23.35
3	QPSK	8	0	22.71	22.72	22.67
3	QPSK	8	4	22.64	22.66	22.57
3	QPSK	8	7	22.54	22.64	22.64
3	QPSK	15	0	22.55	22.67	22.54
3	16QAM	1	0	22.72	22.81	22.82
3	16QAM	1	8	22.77	22.77	22.81
3	16QAM	1	14	22.71	22.84	22.73
3	16QAM	8	0	21.40	21.42	21.43
3	16QAM	8	4	21.36	21.45	21.38
3	16QAM	8	7	21.31	21.44	21.43
3	16QAM	15	0	21.35	21.43	21.37
3	64QAM	1	0	21.46	21.57	21.48
3	64QAM	1	8	21.39	21.46	21.43
3	64QAM	1	14	21.47	21.49	21.41
3	64QAM	8	0	19.70	19.80	19.73
3	64QAM	8	4	19.64	19.70	19.67
3	64QAM	8	7	19.76	19.76	19.74
3	64QAM	15	0	19.65	19.68	19.66



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	23.35	23.46	23.36
1.4	QPSK	1	3	23.37	23.37	23.40
1.4	QPSK	1	5	23.37	23.41	23.26
1.4	QPSK	3	0	23.37	23.37	23.41
1.4	QPSK	3	1	23.39	23.37	23.30
1.4	QPSK	3	3	23.27	23.35	23.29
1.4	QPSK	6	0	22.57	22.62	22.58
1.4	16QAM	1	0	22.74	22.80	22.79
1.4	16QAM	1	3	22.80	22.82	22.75
1.4	16QAM	1	5	22.71	22.79	22.74
1.4	16QAM	3	0	22.47	22.48	22.44
1.4	16QAM	3	1	22.37	22.45	22.42
1.4	16QAM	3	3	22.35	22.43	22.45
1.4	16QAM	6	0	21.35	21.40	21.35
1.4	64QAM	1	0	21.49	21.53	21.53
1.4	64QAM	1	3	21.40	21.54	21.45
1.4	64QAM	1	5	21.48	21.48	21.44
1.4	64QAM	3	0	21.40	21.48	21.41
1.4	64QAM	3	1	21.42	21.50	21.45
1.4	64QAM	3	3	21.46	21.40	21.40
1.4	64QAM	6	0	19.68	19.72	19.59



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	23.02	23.06	23.11
20	QPSK	1	49	23.00	23.01	23.09
20	QPSK	1	99	22.98	23.00	23.08
20	QPSK	50	0	22.10	22.15	22.17
20	QPSK	50	24	22.06	22.07	22.14
20	QPSK	50	50	22.05	22.06	22.13
20	QPSK	100	0	22.06	22.14	22.16
20	16QAM	1	0	22.13	22.19	22.22
20	16QAM	1	49	22.15	22.18	22.19
20	16QAM	1	99	22.07	22.15	22.17
20	16QAM	50	0	21.05	21.04	21.11
20	16QAM	50	24	20.96	20.95	21.05
20	16QAM	50	50	20.86	20.93	20.95
20	16QAM	100	0	20.93	20.96	20.99
20	64QAM	1	0	21.02	21.09	21.10
20	64QAM	1	49	21.01	21.02	21.05
20	64QAM	1	99	21.01	20.93	21.03
20	64QAM	50	0	20.15	20.15	20.24
20	64QAM	50	24	20.20	20.21	20.23
20	64QAM	50	50	20.18	20.15	20.21
20	64QAM	100	0	20.16	20.12	20.19



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	22.96	23.03	23.03
15	QPSK	1	37	22.94	22.97	23.04
15	QPSK	1	74	22.94	22.91	23.01
15	QPSK	36	0	22.09	22.05	22.10
15	QPSK	36	20	21.99	21.98	22.08
15	QPSK	36	39	22.03	21.99	22.12
15	QPSK	75	0	22.05	22.05	22.14
15	16QAM	1	0	22.09	22.13	22.18
15	16QAM	1	37	22.11	22.17	22.16
15	16QAM	1	74	21.97	22.07	22.07
15	16QAM	36	0	20.97	20.99	21.04
15	16QAM	36	20	20.91	20.87	20.97
15	16QAM	36	39	20.78	20.87	20.87
15	16QAM	75	0	20.90	20.88	20.95
15	64QAM	1	0	20.96	21.08	21.01
15	64QAM	1	37	20.94	20.93	20.99
15	64QAM	1	74	20.93	20.86	20.94
15	64QAM	36	0	20.08	20.06	20.16
15	64QAM	36	20	20.18	20.11	20.14
15	64QAM	36	39	20.10	20.08	20.19
15	64QAM	75	0	20.12	20.08	20.13



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	23.00	22.99	23.02
10	QPSK	1	25	22.96	22.92	23.04
10	QPSK	1	49	22.93	22.97	22.99
10	QPSK	25	0	22.04	22.14	22.09
10	QPSK	25	12	22.00	22.00	22.06
10	QPSK	25	25	22.00	22.03	22.10
10	QPSK	50	0	22.03	22.11	22.12
10	16QAM	1	0	22.10	22.09	22.14
10	16QAM	1	25	22.12	22.14	22.09
10	16QAM	1	49	22.02	22.13	22.10
10	16QAM	25	0	20.96	20.96	21.02
10	16QAM	25	12	20.88	20.90	20.97
10	16QAM	25	25	20.82	20.91	20.90
10	16QAM	50	0	20.83	20.91	20.93
10	64QAM	1	0	20.94	21.02	21.08
10	64QAM	1	25	20.99	21.01	20.98
10	64QAM	1	49	20.95	20.87	20.97
10	64QAM	25	0	20.05	20.09	20.21
10	64QAM	25	12	20.16	20.17	20.21
10	64QAM	25	25	20.14	20.09	20.14
10	64QAM	50	0	20.10	20.05	20.18



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	22.95	23.02	23.09
5	QPSK	1	12	22.98	22.97	23.01
5	QPSK	1	24	22.89	22.90	23.03
5	QPSK	12	0	22.02	22.06	22.07
5	QPSK	12	7	21.96	22.05	22.12
5	QPSK	12	13	22.02	22.04	22.05
5	QPSK	25	0	21.99	22.10	22.10
5	16QAM	1	0	22.03	22.09	22.13
5	16QAM	1	12	22.06	22.16	22.17
5	16QAM	1	24	22.01	22.14	22.12
5	16QAM	12	0	20.98	20.99	21.03
5	16QAM	12	7	20.93	20.88	20.99
5	16QAM	12	13	20.84	20.90	20.85
5	16QAM	25	0	20.92	20.93	20.93
5	64QAM	1	0	21.00	21.06	21.04
5	64QAM	1	12	20.91	20.96	20.96
5	64QAM	1	24	20.93	20.84	20.98
5	64QAM	12	0	20.10	20.09	20.16
5	64QAM	12	7	20.17	20.14	20.13
5	64QAM	12	13	20.15	20.14	20.15
5	64QAM	25	0	20.07	20.11	20.18



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	22.35	0.172	22.31	0.170	22.25	0.168
20	QPSK	1	49	22.31	0.170	22.29	0.169	22.22	0.167
20	QPSK	1	99	22.25	0.168	22.15	0.164	22.19	0.166
20	QPSK	50	0	21.61	0.145	21.51	0.142	21.59	0.144
20	QPSK	50	24	21.48	0.141	21.44	0.139	21.44	0.139
20	QPSK	50	50	21.55	0.143	21.51	0.142	21.48	0.141
20	QPSK	100	0	21.57	0.144	21.50	0.141	21.53	0.142
20	16QAM	1	0	21.67	0.147	21.65	0.146	21.62	0.145
20	16QAM	1	49	21.64	0.146	21.56	0.143	21.59	0.144
20	16QAM	1	99	21.60	0.145	21.59	0.144	21.55	0.143
20	16QAM	50	0	20.33	0.108	20.25	0.106	20.24	0.106
20	16QAM	50	24	20.32	0.108	20.29	0.107	20.30	0.107
20	16QAM	50	50	20.30	0.107	20.27	0.106	20.29	0.107
20	16QAM	100	0	20.29	0.107	20.21	0.105	20.23	0.105
20	64QAM	1	0	20.53	0.113	20.43	0.110	20.50	0.112
20	64QAM	1	49	20.52	0.113	20.48	0.112	20.42	0.110
20	64QAM	1	99	20.50	0.112	20.43	0.110	20.45	0.111
20	64QAM	50	0	18.33	0.068	18.26	0.067	18.25	0.067
20	64QAM	50	24	18.30	0.068	18.27	0.067	18.28	0.067
20	64QAM	50	50	18.28	0.067	18.20	0.066	18.19	0.066
20	64QAM	100	0	18.27	0.067	18.26	0.067	18.26	0.067



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	22.33	0.171	22.27	0.169	22.16	0.164
15	QPSK	1	37	22.27	0.169	22.19	0.166	22.14	0.164
15	QPSK	1	74	22.18	0.165	22.14	0.164	22.14	0.164
15	QPSK	36	0	21.55	0.143	21.45	0.140	21.54	0.143
15	QPSK	36	20	21.47	0.140	21.39	0.138	21.39	0.138
15	QPSK	36	39	21.52	0.142	21.41	0.138	21.44	0.139
15	QPSK	75	0	21.50	0.141	21.40	0.138	21.52	0.142
15	16QAM	1	0	21.59	0.144	21.64	0.146	21.56	0.143
15	16QAM	1	37	21.62	0.145	21.52	0.142	21.58	0.144
15	16QAM	1	74	21.52	0.142	21.58	0.144	21.49	0.141
15	16QAM	36	0	20.24	0.106	20.22	0.105	20.23	0.105
15	16QAM	36	20	20.28	0.107	20.22	0.105	20.22	0.105
15	16QAM	36	39	20.25	0.106	20.18	0.104	20.28	0.107
15	16QAM	75	0	20.28	0.107	20.13	0.103	20.14	0.103
15	64QAM	1	0	20.45	0.111	20.34	0.108	20.46	0.111
15	64QAM	1	37	20.47	0.111	20.39	0.109	20.41	0.110
15	64QAM	1	74	20.49	0.112	20.37	0.109	20.40	0.110
15	64QAM	36	0	18.28	0.067	18.25	0.067	18.17	0.066
15	64QAM	36	20	18.21	0.066	18.25	0.067	18.21	0.066
15	64QAM	36	39	18.25	0.067	18.18	0.066	18.11	0.065
15	64QAM	75	0	18.24	0.067	18.16	0.065	18.18	0.066



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	22.28	0.169	22.29	0.169	22.16	0.164
10	QPSK	1	25	22.23	0.167	22.25	0.168	22.17	0.165
10	QPSK	1	49	22.19	0.166	22.10	0.162	22.15	0.164
10	QPSK	25	0	21.58	0.144	21.44	0.139	21.49	0.141
10	QPSK	25	12	21.45	0.140	21.38	0.137	21.36	0.137
10	QPSK	25	25	21.50	0.141	21.43	0.139	21.47	0.140
10	QPSK	50	0	21.49	0.141	21.47	0.140	21.46	0.140
10	16QAM	1	0	21.58	0.144	21.63	0.146	21.61	0.145
10	16QAM	1	25	21.62	0.145	21.50	0.141	21.57	0.144
10	16QAM	1	49	21.53	0.142	21.53	0.142	21.54	0.143
10	16QAM	25	0	20.27	0.106	20.21	0.105	20.21	0.105
10	16QAM	25	12	20.29	0.107	20.19	0.104	20.25	0.106
10	16QAM	25	25	20.20	0.105	20.23	0.105	20.22	0.105
10	16QAM	50	0	20.22	0.105	20.19	0.104	20.20	0.105
10	64QAM	1	0	20.50	0.112	20.36	0.109	20.45	0.111
10	64QAM	1	25	20.47	0.111	20.45	0.111	20.41	0.110
10	64QAM	1	49	20.45	0.111	20.37	0.109	20.42	0.110
10	64QAM	25	0	18.32	0.068	18.18	0.066	18.19	0.066
10	64QAM	25	12	18.24	0.067	18.24	0.067	18.22	0.066
10	64QAM	25	25	18.20	0.066	18.18	0.066	18.16	0.065
10	64QAM	50	0	18.17	0.066	18.16	0.065	18.17	0.066



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	22.26	0.168	22.21	0.166	22.19	0.166
5	QPSK	1	12	22.23	0.167	22.22	0.167	22.16	0.164
5	QPSK	1	24	22.19	0.166	22.11	0.163	22.15	0.164
5	QPSK	12	0	21.53	0.142	21.49	0.141	21.54	0.143
5	QPSK	12	7	21.43	0.139	21.40	0.138	21.42	0.139
5	QPSK	12	13	21.47	0.140	21.48	0.141	21.46	0.140
5	QPSK	25	0	21.51	0.142	21.49	0.141	21.46	0.140
5	16QAM	1	0	21.81	0.152	21.82	0.152	21.77	0.150
5	16QAM	1	12	21.78	0.151	21.67	0.147	21.71	0.148
5	16QAM	1	24	21.75	0.150	21.70	0.148	21.66	0.147
5	16QAM	12	0	20.31	0.107	20.16	0.104	20.21	0.105
5	16QAM	12	7	20.25	0.106	20.25	0.106	20.24	0.106
5	16QAM	12	13	20.29	0.107	20.21	0.105	20.21	0.105
5	16QAM	25	0	20.20	0.105	20.14	0.103	20.16	0.104
5	64QAM	1	0	20.25	0.106	20.18	0.104	20.28	0.107
5	64QAM	1	12	20.30	0.107	20.22	0.105	20.19	0.104
5	64QAM	1	24	20.28	0.107	20.19	0.104	20.15	0.104
5	64QAM	12	0	18.28	0.067	18.17	0.066	18.23	0.067
5	64QAM	12	7	18.24	0.067	18.25	0.067	18.20	0.066
5	64QAM	12	13	18.18	0.066	18.10	0.065	18.15	0.065
5	64QAM	25	0	18.23	0.067	18.24	0.067	18.25	0.067



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	22.31	0.170	22.27	0.169	22.16	0.164
3	QPSK	1	8	22.26	0.168	22.26	0.168	22.15	0.164
3	QPSK	1	14	22.20	0.166	22.06	0.161	22.15	0.164
3	QPSK	8	0	21.51	0.142	21.43	0.139	21.57	0.144
3	QPSK	8	4	21.40	0.138	21.37	0.137	21.38	0.137
3	QPSK	8	7	21.47	0.140	21.41	0.138	21.44	0.139
3	QPSK	15	0	21.52	0.142	21.41	0.138	21.52	0.142
3	16QAM	1	0	21.58	0.144	21.62	0.145	21.57	0.144
3	16QAM	1	8	21.62	0.145	21.46	0.140	21.58	0.144
3	16QAM	1	14	21.55	0.143	21.57	0.144	21.53	0.142
3	16QAM	8	0	20.29	0.107	20.23	0.105	20.21	0.105
3	16QAM	8	4	20.22	0.105	20.20	0.105	20.21	0.105
3	16QAM	8	7	20.28	0.107	20.21	0.105	20.26	0.106
3	16QAM	15	0	20.22	0.105	20.18	0.104	20.15	0.104
3	64QAM	1	0	20.49	0.112	20.33	0.108	20.41	0.110
3	64QAM	1	8	20.47	0.111	20.38	0.109	20.37	0.109
3	64QAM	1	14	20.44	0.111	20.42	0.110	20.42	0.110
3	64QAM	8	0	18.31	0.068	18.24	0.067	18.22	0.066
3	64QAM	8	4	18.20	0.066	18.18	0.066	18.20	0.066
3	64QAM	8	7	18.18	0.066	18.13	0.065	18.16	0.065
3	64QAM	15	0	18.24	0.067	18.21	0.066	18.25	0.067



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	22.28	0.169	22.25	0.168	22.24	0.167
1.4	QPSK	1	3	22.26	0.168	22.26	0.168	22.20	0.166
1.4	QPSK	1	5	22.15	0.164	22.14	0.164	22.13	0.163
1.4	QPSK	3	0	22.23	0.167	22.19	0.166	22.27	0.169
1.4	QPSK	3	1	22.11	0.163	22.12	0.163	22.06	0.161
1.4	QPSK	3	3	22.21	0.166	22.18	0.165	22.14	0.164
1.4	QPSK	6	0	21.54	0.143	21.48	0.141	21.44	0.139
1.4	16QAM	1	0	21.57	0.144	21.62	0.145	21.58	0.144
1.4	16QAM	1	3	21.61	0.145	21.55	0.143	21.50	0.141
1.4	16QAM	1	5	21.56	0.143	21.57	0.144	21.51	0.142
1.4	16QAM	3	0	21.50	0.141	21.44	0.139	21.40	0.138
1.4	16QAM	3	1	21.45	0.140	21.46	0.140	21.47	0.140
1.4	16QAM	3	3	21.41	0.138	21.46	0.140	21.41	0.138
1.4	16QAM	6	0	20.05	0.101	19.98	0.100	19.94	0.099
1.4	64QAM	1	0	20.31	0.107	20.20	0.105	20.26	0.106
1.4	64QAM	1	3	20.26	0.106	20.19	0.104	20.14	0.103
1.4	64QAM	1	5	20.20	0.105	20.13	0.103	20.15	0.104
1.4	64QAM	3	0	19.67	0.093	19.64	0.092	19.55	0.090
1.4	64QAM	3	1	19.67	0.093	19.59	0.091	19.58	0.091
1.4	64QAM	3	3	19.60	0.091	19.54	0.090	19.55	0.090
1.4	64QAM	6	0	18.21	0.066	18.23	0.067	18.25	0.067



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	22.62	0.183	22.67	0.185	22.64	0.184
20	QPSK	1	49	22.58	0.181	22.65	0.184	22.62	0.183
20	QPSK	1	99	22.53	0.179	22.63	0.183	22.60	0.182
20	QPSK	50	0	21.88	0.154	21.89	0.155	21.80	0.151
20	QPSK	50	24	21.85	0.153	21.86	0.153	21.80	0.151
20	QPSK	50	50	21.83	0.152	21.84	0.153	21.82	0.152
20	QPSK	100	0	21.76	0.150	21.82	0.152	21.72	0.149
20	16QAM	1	0	21.88	0.154	21.90	0.155	21.86	0.153
20	16QAM	1	49	21.78	0.151	21.87	0.154	21.83	0.152
20	16QAM	1	99	21.78	0.151	21.85	0.153	21.78	0.151
20	16QAM	50	0	20.65	0.116	20.70	0.117	20.62	0.115
20	16QAM	50	24	20.62	0.115	20.68	0.117	20.58	0.114
20	16QAM	50	50	20.59	0.115	20.66	0.116	20.63	0.116
20	16QAM	100	0	20.56	0.114	20.64	0.116	20.61	0.115
20	64QAM	1	0	20.64	0.116	20.70	0.117	20.68	0.117
20	64QAM	1	49	20.60	0.115	20.68	0.117	20.64	0.116
20	64QAM	1	99	20.62	0.115	20.65	0.116	20.61	0.115
20	64QAM	50	0	18.58	0.072	18.63	0.073	18.60	0.072
20	64QAM	50	24	18.56	0.072	18.62	0.073	18.57	0.072
20	64QAM	50	50	18.51	0.071	18.60	0.072	18.50	0.071
20	64QAM	100	0	18.51	0.071	18.59	0.072	18.49	0.071



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	22.60	0.182	22.64	0.184	22.56	0.180
15	QPSK	1	37	22.51	0.178	22.63	0.183	22.54	0.179
15	QPSK	1	74	22.44	0.175	22.55	0.180	22.55	0.180
15	QPSK	36	0	21.86	0.153	21.84	0.153	21.73	0.149
15	QPSK	36	20	21.81	0.152	21.80	0.151	21.78	0.151
15	QPSK	36	39	21.80	0.151	21.81	0.152	21.77	0.150
15	QPSK	75	0	21.74	0.149	21.80	0.151	21.62	0.145
15	16QAM	1	0	21.79	0.151	21.80	0.151	21.81	0.152
15	16QAM	1	37	21.75	0.150	21.77	0.150	21.73	0.149
15	16QAM	1	74	21.71	0.148	21.83	0.152	21.72	0.149
15	16QAM	36	0	20.58	0.114	20.63	0.116	20.58	0.114
15	16QAM	36	20	20.57	0.114	20.63	0.116	20.49	0.112
15	16QAM	36	39	20.51	0.112	20.62	0.115	20.59	0.115
15	16QAM	75	0	20.50	0.112	20.62	0.115	20.59	0.115
15	64QAM	1	0	20.61	0.115	20.68	0.117	20.66	0.116
15	64QAM	1	37	20.54	0.113	20.60	0.115	20.60	0.115
15	64QAM	1	74	20.61	0.115	20.55	0.114	20.60	0.115
15	64QAM	36	0	18.56	0.072	18.54	0.071	18.54	0.071
15	64QAM	36	20	18.51	0.071	18.60	0.072	18.48	0.070
15	64QAM	36	39	18.46	0.070	18.58	0.072	18.40	0.069
15	64QAM	75	0	18.43	0.070	18.53	0.071	18.44	0.070



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	22.53	0.179	22.61	0.182	22.58	0.181
10	QPSK	1	25	22.49	0.177	22.63	0.183	22.57	0.181
10	QPSK	1	49	22.52	0.179	22.59	0.182	22.53	0.179
10	QPSK	25	0	21.82	0.152	21.80	0.151	21.75	0.150
10	QPSK	25	12	21.79	0.151	21.77	0.150	21.79	0.151
10	QPSK	25	25	21.81	0.152	21.82	0.152	21.75	0.150
10	QPSK	50	0	21.69	0.148	21.76	0.150	21.71	0.148
10	16QAM	1	0	21.87	0.154	21.86	0.153	21.82	0.152
10	16QAM	1	25	21.71	0.148	21.81	0.152	21.76	0.150
10	16QAM	1	49	21.73	0.149	21.79	0.151	21.73	0.149
10	16QAM	25	0	20.62	0.115	20.65	0.116	20.58	0.114
10	16QAM	25	12	20.54	0.113	20.67	0.117	20.52	0.113
10	16QAM	25	25	20.58	0.114	20.59	0.115	20.53	0.113
10	16QAM	50	0	20.52	0.113	20.58	0.114	20.58	0.114
10	64QAM	1	0	20.58	0.114	20.60	0.115	20.62	0.115
10	64QAM	1	25	20.52	0.113	20.59	0.115	20.58	0.114
10	64QAM	1	49	20.57	0.114	20.64	0.116	20.56	0.114
10	64QAM	25	0	18.48	0.070	18.58	0.072	18.56	0.072
10	64QAM	25	12	18.46	0.070	18.54	0.071	18.47	0.070
10	64QAM	25	25	18.50	0.071	18.55	0.072	18.44	0.070
10	64QAM	50	0	18.46	0.070	18.58	0.072	18.42	0.070



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	22.57	0.181	22.58	0.181	22.62	0.183
5	QPSK	1	12	22.55	0.180	22.55	0.180	22.57	0.181
5	QPSK	1	24	22.51	0.178	22.53	0.179	22.50	0.178
5	QPSK	12	0	21.86	0.153	21.84	0.153	21.73	0.149
5	QPSK	12	7	21.75	0.150	21.81	0.152	21.70	0.148
5	QPSK	12	13	21.75	0.150	21.77	0.150	21.78	0.151
5	QPSK	25	0	21.74	0.149	21.72	0.149	21.64	0.146
5	16QAM	1	0	21.82	0.152	21.87	0.154	21.82	0.152
5	16QAM	1	12	21.74	0.149	21.80	0.151	21.78	0.151
5	16QAM	1	24	21.77	0.150	21.77	0.150	21.76	0.150
5	16QAM	12	0	20.55	0.114	20.65	0.116	20.52	0.113
5	16QAM	12	7	20.61	0.115	20.61	0.115	20.53	0.113
5	16QAM	12	13	20.58	0.114	20.57	0.114	20.54	0.113
5	16QAM	25	0	20.52	0.113	20.54	0.113	20.58	0.114
5	64QAM	1	0	20.56	0.114	20.68	0.117	20.66	0.116
5	64QAM	1	12	20.51	0.112	20.59	0.115	20.59	0.115
5	64QAM	1	24	20.55	0.114	20.59	0.115	20.53	0.113
5	64QAM	12	0	18.56	0.072	18.58	0.072	18.53	0.071
5	64QAM	12	7	18.53	0.071	18.61	0.073	18.47	0.070
5	64QAM	12	13	18.42	0.070	18.56	0.072	18.49	0.071
5	64QAM	25	0	18.41	0.069	18.57	0.072	18.47	0.070



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	22.53	0.179	22.60	0.182	22.62	0.183
3	QPSK	1	8	22.54	0.179	22.63	0.183	22.53	0.179
3	QPSK	1	14	22.49	0.177	22.57	0.181	22.59	0.182
3	QPSK	8	0	21.86	0.153	21.79	0.151	21.72	0.149
3	QPSK	8	4	21.82	0.152	21.82	0.152	21.71	0.148
3	QPSK	8	7	21.81	0.152	21.75	0.150	21.72	0.149
3	QPSK	15	0	21.68	0.147	21.80	0.151	21.65	0.146
3	16QAM	1	0	21.86	0.153	21.85	0.153	21.83	0.152
3	16QAM	1	8	21.76	0.150	21.80	0.151	21.81	0.152
3	16QAM	1	14	21.74	0.149	21.77	0.150	21.69	0.148
3	16QAM	8	0	20.62	0.115	20.67	0.117	20.58	0.114
3	16QAM	8	4	20.60	0.115	20.58	0.114	20.49	0.112
3	16QAM	8	7	20.53	0.113	20.64	0.116	20.53	0.113
3	16QAM	15	0	20.46	0.111	20.62	0.115	20.56	0.114
3	64QAM	1	0	20.57	0.114	20.69	0.117	20.64	0.116
3	64QAM	1	8	20.53	0.113	20.64	0.116	20.54	0.113
3	64QAM	1	14	20.53	0.113	20.64	0.116	20.58	0.114
3	64QAM	8	0	18.52	0.071	18.57	0.072	18.55	0.072
3	64QAM	8	4	18.53	0.071	18.55	0.072	18.47	0.070
3	64QAM	8	7	18.45	0.070	18.57	0.072	18.45	0.070
3	64QAM	15	0	18.47	0.070	18.52	0.071	18.45	0.070



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	22.55	0.180	22.66	0.185	22.54	0.179
1.4	QPSK	1	3	22.49	0.177	22.55	0.180	22.54	0.179
1.4	QPSK	1	5	22.49	0.177	22.62	0.183	22.52	0.179
1.4	QPSK	3	0	22.54	0.179	22.55	0.180	22.40	0.174
1.4	QPSK	3	1	22.50	0.178	22.47	0.177	22.44	0.175
1.4	QPSK	3	3	22.49	0.177	22.49	0.177	22.45	0.176
1.4	QPSK	6	0	21.68	0.147	21.81	0.152	21.65	0.146
1.4	16QAM	1	0	21.83	0.152	21.81	0.152	21.77	0.150
1.4	16QAM	1	3	21.74	0.149	21.83	0.152	21.79	0.151
1.4	16QAM	1	5	21.77	0.150	21.76	0.150	21.70	0.148
1.4	16QAM	3	0	21.29	0.135	21.31	0.135	21.24	0.133
1.4	16QAM	3	1	21.30	0.135	21.36	0.137	21.22	0.132
1.4	16QAM	3	3	21.19	0.132	21.34	0.136	21.30	0.135
1.4	16QAM	6	0	20.47	0.111	20.56	0.114	20.53	0.113
1.4	64QAM	1	0	20.63	0.116	20.67	0.117	20.61	0.115
1.4	64QAM	1	3	20.51	0.112	20.59	0.115	20.55	0.114
1.4	64QAM	1	5	20.59	0.115	20.64	0.116	20.56	0.114
1.4	64QAM	3	0	20.66	0.116	20.69	0.117	20.61	0.115
1.4	64QAM	3	1	20.65	0.116	20.62	0.115	20.62	0.115
1.4	64QAM	3	3	20.56	0.114	20.60	0.115	20.58	0.114
1.4	64QAM	6	0	18.44	0.070	18.58	0.072	18.45	0.070



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.32	0.086	19.38	0.087	19.34	0.086
10	QPSK	1	25	19.29	0.085	19.37	0.086	19.31	0.085
10	QPSK	1	49	19.30	0.085	19.34	0.086	19.28	0.085
10	QPSK	25	0	18.33	0.068	18.42	0.070	18.40	0.069
10	QPSK	25	12	18.36	0.069	18.37	0.069	18.32	0.068
10	QPSK	25	25	18.36	0.069	18.41	0.069	18.37	0.069
10	QPSK	50	0	18.29	0.067	18.36	0.069	18.33	0.068
10	16QAM	1	0	18.47	0.070	18.49	0.071	18.44	0.070
10	16QAM	1	25	18.44	0.070	18.46	0.070	18.36	0.069
10	16QAM	1	49	18.43	0.070	18.44	0.070	18.39	0.069
10	16QAM	25	0	17.44	0.055	17.50	0.056	17.48	0.056
10	16QAM	25	12	17.30	0.054	17.37	0.055	17.33	0.054
10	16QAM	25	25	17.29	0.054	17.31	0.054	17.25	0.053
10	16QAM	50	0	17.22	0.053	17.27	0.053	17.18	0.052
10	64QAM	1	0	17.60	0.058	17.63	0.058	17.59	0.057
10	64QAM	1	25	17.56	0.057	17.62	0.058	17.55	0.057
10	64QAM	1	49	17.54	0.057	17.59	0.057	17.52	0.056
10	64QAM	25	0	16.14	0.041	16.23	0.042	16.17	0.041
10	64QAM	25	12	16.16	0.041	16.19	0.042	16.12	0.041
10	64QAM	25	25	16.19	0.042	16.20	0.042	16.16	0.041
10	64QAM	50	0	16.11	0.041	16.17	0.041	16.12	0.041



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	19.24	0.084	19.36	0.086	19.30	0.085
5	QPSK	1	12	19.21	0.083	19.31	0.085	19.23	0.084
5	QPSK	1	24	19.29	0.085	19.24	0.084	19.25	0.084
5	QPSK	12	0	18.28	0.067	18.36	0.069	18.30	0.068
5	QPSK	12	7	18.26	0.067	18.35	0.068	18.30	0.068
5	QPSK	12	13	18.33	0.068	18.34	0.068	18.30	0.068
5	QPSK	25	0	18.24	0.067	18.26	0.067	18.25	0.067
5	16QAM	1	0	18.45	0.070	18.42	0.070	18.43	0.070
5	16QAM	1	12	18.34	0.068	18.36	0.069	18.26	0.067
5	16QAM	1	24	18.36	0.069	18.36	0.069	18.30	0.068
5	16QAM	12	0	17.36	0.054	17.40	0.055	17.38	0.055
5	16QAM	12	7	17.23	0.053	17.34	0.054	17.32	0.054
5	16QAM	12	13	17.23	0.053	17.30	0.054	17.15	0.052
5	16QAM	25	0	17.21	0.053	17.26	0.053	17.11	0.051
5	64QAM	1	0	17.58	0.057	17.55	0.057	17.57	0.057
5	64QAM	1	12	17.46	0.056	17.59	0.057	17.53	0.057
5	64QAM	1	24	17.49	0.056	17.55	0.057	17.43	0.055
5	64QAM	12	0	16.09	0.041	16.19	0.042	16.16	0.041
5	64QAM	12	7	16.10	0.041	16.11	0.041	16.04	0.040
5	64QAM	12	13	16.15	0.041	16.14	0.041	16.11	0.041
5	64QAM	25	0	16.09	0.041	16.12	0.041	16.02	0.040



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	19.26	0.084	19.32	0.086	19.30	0.085
3	QPSK	1	8	19.22	0.084	19.35	0.086	19.28	0.085
3	QPSK	1	14	19.28	0.085	19.33	0.086	19.19	0.083
3	QPSK	8	0	18.28	0.067	18.36	0.069	18.35	0.068
3	QPSK	8	4	18.33	0.068	18.27	0.067	18.26	0.067
3	QPSK	8	7	18.29	0.067	18.33	0.068	18.27	0.067
3	QPSK	15	0	18.19	0.066	18.34	0.068	18.29	0.067
3	16QAM	1	0	18.38	0.069	18.48	0.070	18.36	0.069
3	16QAM	1	8	18.35	0.068	18.38	0.069	18.35	0.068
3	16QAM	1	14	18.36	0.069	18.43	0.070	18.31	0.068
3	16QAM	8	0	17.38	0.055	17.46	0.056	17.39	0.055
3	16QAM	8	4	17.28	0.053	17.32	0.054	17.29	0.054
3	16QAM	8	7	17.25	0.053	17.22	0.053	17.17	0.052
3	16QAM	15	0	17.18	0.052	17.17	0.052	17.14	0.052
3	64QAM	1	0	17.50	0.056	17.58	0.057	17.50	0.056
3	64QAM	1	8	17.51	0.056	17.57	0.057	17.53	0.057
3	64QAM	1	14	17.48	0.056	17.53	0.057	17.50	0.056
3	64QAM	8	0	16.13	0.041	16.17	0.041	16.12	0.041
3	64QAM	8	4	16.10	0.041	16.09	0.041	16.07	0.040
3	64QAM	8	7	16.18	0.041	16.11	0.041	16.11	0.041
3	64QAM	15	0	16.03	0.040	16.12	0.041	16.03	0.040



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	19.25	0.084	19.28	0.085	19.30	0.085
1.4	QPSK	1	3	19.25	0.084	19.36	0.086	19.23	0.084
1.4	QPSK	1	5	19.23	0.084	19.30	0.085	19.22	0.084
1.4	QPSK	3	0	18.93	0.078	19.07	0.081	19.09	0.081
1.4	QPSK	3	1	18.99	0.079	19.04	0.080	19.00	0.079
1.4	QPSK	3	3	18.97	0.079	19.07	0.081	19.05	0.080
1.4	QPSK	6	0	18.28	0.067	18.26	0.067	18.27	0.067
1.4	16QAM	1	0	18.43	0.070	18.48	0.070	18.36	0.069
1.4	16QAM	1	3	18.39	0.069	18.41	0.069	18.31	0.068
1.4	16QAM	1	5	18.40	0.069	18.36	0.069	18.38	0.069
1.4	16QAM	3	0	18.04	0.064	18.11	0.065	18.15	0.065
1.4	16QAM	3	1	17.91	0.062	17.97	0.063	17.99	0.063
1.4	16QAM	3	3	17.96	0.063	17.98	0.063	17.85	0.061
1.4	16QAM	6	0	17.20	0.052	17.21	0.053	17.08	0.051
1.4	64QAM	1	0	17.57	0.057	17.58	0.057	17.58	0.057
1.4	64QAM	1	3	17.49	0.056	17.60	0.058	17.53	0.057
1.4	64QAM	1	5	17.46	0.056	17.56	0.057	17.42	0.055
1.4	64QAM	3	0	17.51	0.056	17.54	0.057	17.56	0.057
1.4	64QAM	3	1	17.46	0.056	17.56	0.057	17.42	0.055
1.4	64QAM	3	3	17.55	0.057	17.52	0.056	17.50	0.056
1.4	64QAM	6	0	16.09	0.041	16.15	0.041	16.02	0.040



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	24.03	0.253	24.10	0.257	24.08	0.256
20	QPSK	1	49	24.02	0.252	24.07	0.255	24.02	0.252
20	QPSK	1	99	24.00	0.251	24.06	0.255	24.04	0.254
20	QPSK	50	0	23.18	0.208	23.22	0.210	23.14	0.206
20	QPSK	50	24	23.12	0.205	23.20	0.209	23.13	0.206
20	QPSK	50	50	23.17	0.207	23.21	0.209	23.13	0.206
20	QPSK	100	0	23.11	0.205	23.18	0.208	23.10	0.204
20	16QAM	1	0	23.21	0.209	23.25	0.211	23.18	0.208
20	16QAM	1	49	23.18	0.208	23.22	0.210	23.18	0.208
20	16QAM	1	99	23.16	0.207	23.20	0.209	23.19	0.208
20	16QAM	50	0	22.11	0.163	22.14	0.164	22.13	0.163
20	16QAM	50	24	22.06	0.161	22.12	0.163	22.05	0.160
20	16QAM	50	50	22.08	0.161	22.11	0.163	22.06	0.161
20	16QAM	100	0	22.00	0.158	22.10	0.162	22.08	0.161
20	64QAM	1	0	22.38	0.173	22.47	0.177	22.43	0.175
20	64QAM	1	49	22.43	0.175	22.46	0.176	22.36	0.172
20	64QAM	1	99	22.43	0.175	22.44	0.175	22.42	0.175
20	64QAM	50	0	20.21	0.105	20.27	0.106	20.18	0.104
20	64QAM	50	24	20.22	0.105	20.26	0.106	20.16	0.104
20	64QAM	50	50	20.17	0.104	20.24	0.106	20.16	0.104
20	64QAM	100	0	20.17	0.104	20.21	0.105	20.12	0.103



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.94	0.248	24.08	0.256	22.01	0.159
15	QPSK	1	37	23.97	0.249	24.02	0.252	23.93	0.247
15	QPSK	1	74	23.93	0.247	23.98	0.250	23.96	0.249
15	QPSK	36	0	23.10	0.204	23.20	0.209	23.09	0.204
15	QPSK	36	20	23.10	0.204	23.11	0.205	23.10	0.204
15	QPSK	36	39	23.15	0.207	23.13	0.206	23.07	0.203
15	QPSK	75	0	23.05	0.202	23.14	0.206	23.07	0.203
15	16QAM	1	0	23.14	0.206	23.22	0.210	23.11	0.205
15	16QAM	1	37	23.13	0.206	23.14	0.206	23.12	0.205
15	16QAM	1	74	23.11	0.205	23.19	0.208	23.15	0.207
15	16QAM	36	0	22.08	0.161	22.05	0.160	22.12	0.163
15	16QAM	36	20	22.05	0.160	22.03	0.160	22.01	0.159
15	16QAM	36	39	21.99	0.158	22.05	0.160	22.00	0.158
15	16QAM	75	0	21.93	0.156	22.00	0.158	21.99	0.158
15	64QAM	1	0	22.29	0.169	22.44	0.175	22.39	0.173
15	64QAM	1	37	22.33	0.171	22.37	0.173	22.33	0.171
15	64QAM	1	74	22.33	0.171	22.34	0.171	22.32	0.171
15	64QAM	36	0	20.17	0.104	20.23	0.105	20.09	0.102
15	64QAM	36	20	20.19	0.104	20.18	0.104	20.13	0.103
15	64QAM	36	39	20.09	0.102	20.16	0.104	20.15	0.104
15	64QAM	75	0	20.15	0.104	20.18	0.104	20.05	0.101



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	23.96	0.249	24.01	0.252	22.01	0.159
10	QPSK	1	25	23.97	0.249	24.05	0.254	23.95	0.248
10	QPSK	1	49	23.96	0.249	23.96	0.249	24.02	0.252
10	QPSK	25	0	23.14	0.206	23.19	0.208	23.09	0.204
10	QPSK	25	12	23.06	0.202	23.17	0.207	23.04	0.201
10	QPSK	25	25	23.13	0.206	23.19	0.208	23.05	0.202
10	QPSK	50	0	23.07	0.203	23.15	0.207	23.03	0.201
10	16QAM	1	0	23.14	0.206	23.16	0.207	23.11	0.205
10	16QAM	1	25	23.11	0.205	23.19	0.208	23.09	0.204
10	16QAM	1	49	23.14	0.206	23.16	0.207	23.09	0.204
10	16QAM	25	0	22.09	0.162	22.12	0.163	22.03	0.160
10	16QAM	25	12	21.97	0.157	22.09	0.162	21.97	0.157
10	16QAM	25	25	22.06	0.161	22.09	0.162	22.04	0.160
10	16QAM	50	0	21.95	0.157	22.01	0.159	22.00	0.158
10	64QAM	1	0	22.32	0.171	22.41	0.174	22.42	0.175
10	64QAM	1	25	22.36	0.172	22.43	0.175	22.32	0.171
10	64QAM	1	49	22.42	0.175	22.38	0.173	22.34	0.171
10	64QAM	25	0	20.13	0.103	20.24	0.106	20.14	0.103
10	64QAM	25	12	20.15	0.104	20.21	0.105	20.06	0.101
10	64QAM	25	25	20.07	0.102	20.14	0.103	20.08	0.102
10	64QAM	50	0	20.13	0.103	20.18	0.104	20.05	0.101



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	23.96	0.249	24.07	0.255	22.01	0.159
5	QPSK	1	12	23.96	0.249	24.05	0.254	23.99	0.251
5	QPSK	1	24	23.92	0.247	24.03	0.253	24.03	0.253
5	QPSK	12	0	23.12	0.205	23.21	0.209	23.08	0.203
5	QPSK	12	7	23.11	0.205	23.18	0.208	23.03	0.201
5	QPSK	12	13	23.07	0.203	23.20	0.209	23.11	0.205
5	QPSK	25	0	23.09	0.204	23.12	0.205	23.03	0.201
5	16QAM	1	0	23.16	0.207	23.17	0.207	23.15	0.207
5	16QAM	1	12	23.09	0.204	23.16	0.207	23.14	0.206
5	16QAM	1	24	23.08	0.203	23.18	0.208	23.13	0.206
5	16QAM	12	0	22.03	0.160	22.08	0.161	22.04	0.160
5	16QAM	12	7	22.01	0.159	22.06	0.161	21.97	0.157
5	16QAM	12	13	22.03	0.160	22.09	0.162	22.00	0.158
5	16QAM	25	0	21.95	0.157	22.08	0.161	21.98	0.158
5	64QAM	1	0	22.37	0.173	22.46	0.176	22.37	0.173
5	64QAM	1	12	22.38	0.173	22.42	0.175	22.33	0.171
5	64QAM	1	24	22.35	0.172	22.43	0.175	22.36	0.172
5	64QAM	12	0	20.13	0.103	20.18	0.104	20.13	0.103
5	64QAM	12	7	20.14	0.103	20.25	0.106	20.11	0.103
5	64QAM	12	13	20.12	0.103	20.20	0.105	20.12	0.103
5	64QAM	25	0	20.14	0.103	20.11	0.103	20.08	0.102



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	19.09	0.081	19.06	0.081	19.13	0.082
10	QPSK	1	25	19.04	0.080	19.02	0.080	19.04	0.080
10	QPSK	1	49	19.00	0.079	18.97	0.079	19.03	0.080
10	QPSK	25	0	18.04	0.064	18.06	0.064	18.07	0.064
10	QPSK	25	12	18.00	0.063	17.95	0.062	18.04	0.064
10	QPSK	25	25	17.92	0.062	17.96	0.063	18.02	0.063
10	QPSK	50	0	17.95	0.062	17.97	0.063	18.05	0.064
10	16QAM	1	0	18.23	0.067	18.20	0.066	18.24	0.067
10	16QAM	1	25	18.18	0.066	18.20	0.066	18.21	0.066
10	16QAM	1	49	18.11	0.065	18.14	0.065	18.19	0.066
10	16QAM	25	0	17.11	0.051	17.07	0.051	17.13	0.052
10	16QAM	25	12	17.09	0.051	17.08	0.051	17.11	0.051
10	16QAM	25	25	17.03	0.050	17.01	0.050	17.09	0.051
10	16QAM	50	0	17.06	0.051	17.10	0.051	17.11	0.051
10	64QAM	1	0	17.24	0.053	17.24	0.053	17.31	0.054
10	64QAM	1	25	17.23	0.053	17.19	0.052	17.28	0.053
10	64QAM	1	49	17.22	0.053	17.20	0.052	17.25	0.053
10	64QAM	25	0	16.56	0.045	16.53	0.045	16.62	0.046
10	64QAM	25	12	16.54	0.045	16.57	0.045	16.58	0.045
10	64QAM	25	25	16.49	0.045	16.45	0.044	16.55	0.045
10	64QAM	50	0	16.50	0.045	16.49	0.045	16.57	0.045



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	19.02	0.080	19.01	0.080	19.02	0.080
5	QPSK	1	12	18.98	0.079	18.96	0.079	18.97	0.079
5	QPSK	1	24	18.90	0.078	18.95	0.079	18.93	0.078
5	QPSK	12	0	17.95	0.062	17.98	0.063	18.06	0.064
5	QPSK	12	7	17.98	0.063	17.93	0.062	17.99	0.063
5	QPSK	12	13	17.86	0.061	17.93	0.062	17.98	0.063
5	QPSK	25	0	17.90	0.062	17.92	0.062	17.96	0.063
5	16QAM	1	0	18.17	0.066	18.16	0.065	18.19	0.066
5	16QAM	1	12	18.12	0.065	18.12	0.065	18.14	0.065
5	16QAM	1	24	18.09	0.064	18.09	0.064	18.15	0.065
5	16QAM	12	0	17.06	0.051	17.05	0.051	17.09	0.051
5	16QAM	12	7	17.02	0.050	17.04	0.051	17.09	0.051
5	16QAM	12	13	16.97	0.050	16.97	0.050	17.02	0.050
5	16QAM	25	0	17.04	0.051	17.03	0.050	17.07	0.051
5	64QAM	1	0	17.17	0.052	17.23	0.053	17.28	0.053
5	64QAM	1	12	17.19	0.052	17.12	0.052	17.21	0.053
5	64QAM	1	24	17.12	0.052	17.16	0.052	17.16	0.052
5	64QAM	12	0	16.53	0.045	16.51	0.045	16.53	0.045
5	64QAM	12	7	16.44	0.044	16.49	0.045	16.51	0.045
5	64QAM	12	13	16.41	0.044	16.39	0.044	16.48	0.044
5	64QAM	25	0	16.44	0.044	16.39	0.044	16.50	0.045



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	19.05	0.080	18.93	0.078	19.05	0.080
3	QPSK	1	8	19.01	0.080	18.95	0.079	19.00	0.079
3	QPSK	1	14	18.97	0.079	18.92	0.078	18.99	0.079
3	QPSK	8	0	18.03	0.064	18.02	0.063	18.06	0.064
3	QPSK	8	4	17.93	0.062	17.92	0.062	18.00	0.063
3	QPSK	8	7	17.85	0.061	17.87	0.061	17.97	0.063
3	QPSK	15	0	17.93	0.062	17.92	0.062	17.98	0.063
3	16QAM	1	0	18.13	0.065	18.10	0.065	18.15	0.065
3	16QAM	1	8	18.11	0.065	18.17	0.066	18.20	0.066
3	16QAM	1	14	18.06	0.064	18.11	0.065	18.13	0.065
3	16QAM	8	0	17.10	0.051	17.06	0.051	17.05	0.051
3	16QAM	8	4	17.05	0.051	17.01	0.050	17.05	0.051
3	16QAM	8	7	16.99	0.050	16.99	0.050	17.04	0.051
3	16QAM	15	0	16.99	0.050	17.00	0.050	17.06	0.051
3	64QAM	1	0	17.15	0.052	17.20	0.052	17.30	0.054
3	64QAM	1	8	17.22	0.053	17.11	0.051	17.27	0.053
3	64QAM	1	14	17.21	0.053	17.19	0.052	17.16	0.052
3	64QAM	8	0	16.49	0.045	16.44	0.044	16.58	0.045
3	64QAM	8	4	16.44	0.044	16.51	0.045	16.53	0.045
3	64QAM	8	7	16.42	0.044	16.44	0.044	16.52	0.045
3	64QAM	15	0	16.49	0.045	16.48	0.044	16.54	0.045



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	19.02	0.080	19.00	0.079	19.08	0.081
1.4	QPSK	1	3	19.03	0.080	19.01	0.080	19.03	0.080
1.4	QPSK	1	5	18.93	0.078	18.89	0.077	18.96	0.079
1.4	QPSK	3	0	18.73	0.075	18.66	0.073	18.75	0.075
1.4	QPSK	3	1	18.64	0.073	18.60	0.072	18.68	0.074
1.4	QPSK	3	3	18.58	0.072	18.63	0.073	18.65	0.073
1.4	QPSK	6	0	17.87	0.061	17.96	0.063	17.96	0.063
1.4	16QAM	1	0	18.21	0.066	18.12	0.065	18.16	0.065
1.4	16QAM	1	3	18.15	0.065	18.14	0.065	18.19	0.066
1.4	16QAM	1	5	18.01	0.063	18.07	0.064	18.16	0.065
1.4	16QAM	3	0	17.80	0.060	17.72	0.059	17.80	0.060
1.4	16QAM	3	1	17.77	0.060	17.72	0.059	17.71	0.059
1.4	16QAM	3	3	17.72	0.059	17.64	0.058	17.78	0.060
1.4	16QAM	6	0	17.04	0.051	17.02	0.050	17.07	0.051
1.4	64QAM	1	0	17.16	0.052	17.17	0.052	17.21	0.053
1.4	64QAM	1	3	17.18	0.052	17.11	0.051	17.21	0.053
1.4	64QAM	1	5	17.16	0.052	17.13	0.052	17.16	0.052
1.4	64QAM	3	0	17.19	0.052	17.20	0.052	17.27	0.053
1.4	64QAM	3	1	17.20	0.052	17.18	0.052	17.27	0.053
1.4	64QAM	3	3	17.11	0.051	17.07	0.051	17.15	0.052
1.4	64QAM	6	0	16.49	0.045	16.39	0.044	16.54	0.045



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	19.09	0.081	19.11	0.081	19.06	0.081
10	QPSK	1	25	19.06	0.081	19.08	0.081	18.99	0.079
10	QPSK	1	49	19.03	0.080	19.05	0.080	18.97	0.079
10	QPSK	25	0	17.97	0.063	18.04	0.064	17.95	0.062
10	QPSK	25	12	18.01	0.063	18.03	0.064	17.98	0.063
10	QPSK	25	25	17.97	0.063	18.01	0.063	17.94	0.062
10	QPSK	50	0	17.95	0.062	18.00	0.063	17.97	0.063
10	16QAM	1	0	18.26	0.067	18.36	0.069	18.31	0.068
10	16QAM	1	25	18.31	0.068	18.33	0.068	18.25	0.067
10	16QAM	1	49	18.26	0.067	18.31	0.068	18.23	0.067
10	16QAM	25	0	16.87	0.049	16.96	0.050	16.89	0.049
10	16QAM	25	12	16.93	0.049	16.94	0.049	16.89	0.049
10	16QAM	25	25	16.89	0.049	16.92	0.049	16.88	0.049
10	16QAM	50	0	16.85	0.048	16.91	0.049	16.83	0.048
10	64QAM	1	0	17.26	0.053	17.28	0.053	17.26	0.053
10	64QAM	1	25	17.22	0.053	17.25	0.053	17.18	0.052
10	64QAM	1	49	17.12	0.052	17.22	0.053	17.18	0.052
10	64QAM	25	0	16.55	0.045	16.60	0.046	16.50	0.045
10	64QAM	25	12	16.56	0.045	16.58	0.045	16.49	0.045
10	64QAM	25	25	16.53	0.045	16.55	0.045	16.49	0.045
10	64QAM	50	0	16.44	0.044	16.54	0.045	16.53	0.045



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	19.00	0.079	19.08	0.081	18.97	0.079
5	QPSK	1	12	18.96	0.079	18.99	0.079	18.92	0.078
5	QPSK	1	24	18.94	0.078	19.01	0.080	18.90	0.078
5	QPSK	12	0	17.87	0.061	17.95	0.062	17.91	0.062
5	QPSK	12	7	17.99	0.063	17.99	0.063	17.89	0.062
5	QPSK	12	13	17.89	0.062	17.92	0.062	17.88	0.061
5	QPSK	25	0	17.94	0.062	17.90	0.062	17.87	0.061
5	16QAM	1	0	18.17	0.066	18.29	0.067	18.27	0.067
5	16QAM	1	12	18.27	0.067	18.32	0.068	18.15	0.065
5	16QAM	1	24	18.22	0.066	18.29	0.067	18.13	0.065
5	16QAM	12	0	16.84	0.048	16.93	0.049	16.82	0.048
5	16QAM	12	7	16.90	0.049	16.92	0.049	16.87	0.049
5	16QAM	12	13	16.85	0.048	16.85	0.048	16.80	0.048
5	16QAM	25	0	16.84	0.048	16.82	0.048	16.81	0.048
5	64QAM	1	0	17.20	0.052	17.18	0.052	17.18	0.052
5	64QAM	1	12	17.21	0.053	17.22	0.053	17.12	0.052
5	64QAM	1	24	17.02	0.050	17.13	0.052	17.17	0.052
5	64QAM	12	0	16.50	0.045	16.50	0.045	16.40	0.044
5	64QAM	12	7	16.50	0.045	16.54	0.045	16.43	0.044
5	64QAM	12	13	16.52	0.045	16.51	0.045	16.47	0.044
5	64QAM	25	0	16.39	0.044	16.52	0.045	16.49	0.045



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.61	0.182	22.68	0.185	22.65	0.184
20	QPSK	1	49	22.60	0.182	22.65	0.184	22.61	0.182
20	QPSK	1	99	22.58	0.181	22.62	0.183	22.56	0.180
20	QPSK	50	0	21.92	0.156	21.95	0.157	21.91	0.155
20	QPSK	50	24	21.89	0.155	21.92	0.156	21.87	0.154
20	QPSK	50	50	21.84	0.153	21.90	0.155	21.86	0.153
20	QPSK	100	0	21.79	0.151	21.89	0.155	21.83	0.152
20	16QAM	1	0	22.00	0.158	22.09	0.162	22.07	0.161
20	16QAM	1	49	22.05	0.160	22.07	0.161	22.05	0.160
20	16QAM	1	99	21.97	0.157	22.05	0.160	21.99	0.158
20	16QAM	50	0	20.69	0.117	20.71	0.118	20.66	0.116
20	16QAM	50	24	20.66	0.116	20.68	0.117	20.66	0.116
20	16QAM	50	50	20.57	0.114	20.67	0.117	20.66	0.116
20	16QAM	100	0	20.62	0.115	20.65	0.116	20.60	0.115
20	64QAM	1	0	20.74	0.119	20.78	0.120	20.76	0.119
20	64QAM	1	49	20.67	0.117	20.76	0.119	20.69	0.117
20	64QAM	1	99	20.74	0.119	20.75	0.119	20.67	0.117
20	64QAM	50	0	18.93	0.078	19.02	0.080	18.99	0.079
20	64QAM	50	24	18.91	0.078	19.00	0.079	18.95	0.079
20	64QAM	50	50	18.97	0.079	18.98	0.079	18.95	0.079
20	64QAM	100	0	18.94	0.078	18.97	0.079	18.88	0.077



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	22.48	0.177	22.61	0.182	22.59	0.182
15	QPSK	1	37	22.53	0.179	22.50	0.178	22.47	0.177
15	QPSK	1	74	22.46	0.176	22.53	0.179	22.45	0.176
15	QPSK	36	0	21.81	0.152	21.86	0.153	21.82	0.152
15	QPSK	36	20	21.76	0.150	21.84	0.153	21.79	0.151
15	QPSK	36	39	21.70	0.148	21.77	0.150	21.80	0.151
15	QPSK	75	0	21.73	0.149	21.79	0.151	21.74	0.149
15	16QAM	1	0	21.89	0.155	22.02	0.159	21.96	0.157
15	16QAM	1	37	21.97	0.157	21.99	0.158	21.92	0.156
15	16QAM	1	74	21.90	0.155	21.97	0.157	21.86	0.153
15	16QAM	36	0	20.54	0.113	20.56	0.114	20.54	0.113
15	16QAM	36	20	20.60	0.115	20.60	0.115	20.53	0.113
15	16QAM	36	39	20.48	0.112	20.57	0.114	20.55	0.114
15	16QAM	75	0	20.49	0.112	20.58	0.114	20.49	0.112
15	64QAM	1	0	20.61	0.115	20.72	0.118	20.61	0.115
15	64QAM	1	37	20.56	0.114	20.70	0.117	20.55	0.114
15	64QAM	1	74	20.68	0.117	20.62	0.115	20.59	0.115
15	64QAM	36	0	18.84	0.077	18.90	0.078	18.90	0.078
15	64QAM	36	20	18.76	0.075	18.94	0.078	18.89	0.077
15	64QAM	36	39	18.89	0.077	18.87	0.077	18.80	0.076
15	64QAM	75	0	18.79	0.076	18.90	0.078	18.79	0.076



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	22.55	0.180	22.58	0.181	22.52	0.179
10	QPSK	1	25	22.51	0.178	22.52	0.179	22.54	0.179
10	QPSK	1	49	22.50	0.178	22.53	0.179	22.47	0.177
10	QPSK	25	0	21.82	0.152	21.87	0.154	21.79	0.151
10	QPSK	25	12	21.83	0.152	21.86	0.153	21.72	0.149
10	QPSK	25	25	21.76	0.150	21.78	0.151	21.77	0.150
10	QPSK	50	0	21.72	0.149	21.81	0.152	21.69	0.148
10	16QAM	1	0	21.87	0.154	21.96	0.157	22.01	0.159
10	16QAM	1	25	21.99	0.158	21.95	0.157	21.91	0.155
10	16QAM	1	49	21.82	0.152	21.92	0.156	21.91	0.155
10	16QAM	25	0	20.59	0.115	20.58	0.114	20.55	0.114
10	16QAM	25	12	20.60	0.115	20.55	0.114	20.59	0.115
10	16QAM	25	25	20.50	0.112	20.54	0.113	20.55	0.114
10	16QAM	50	0	20.56	0.114	20.57	0.114	20.47	0.111
10	64QAM	1	0	20.60	0.115	20.63	0.116	20.65	0.116
10	64QAM	1	25	20.57	0.114	20.65	0.116	20.60	0.115
10	64QAM	1	49	20.61	0.115	20.62	0.115	20.55	0.114
10	64QAM	25	0	18.86	0.077	18.90	0.078	18.85	0.077
10	64QAM	25	12	18.81	0.076	18.86	0.077	18.80	0.076
10	64QAM	25	25	18.88	0.077	18.84	0.077	18.81	0.076
10	64QAM	50	0	18.84	0.077	18.90	0.078	18.73	0.075



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	22.55	0.180	22.52	0.179
5	QPSK	1	12	22.49	0.177	22.50	0.178	22.52	0.179
5	QPSK	1	24	22.46	0.176	22.47	0.177	22.48	0.177
5	QPSK	12	0	21.81	0.152	21.83	0.152	21.78	0.151
5	QPSK	12	7	21.83	0.152	21.82	0.152	21.78	0.151
5	QPSK	12	13	21.71	0.148	21.80	0.151	21.76	0.150
5	QPSK	25	0	21.69	0.148	21.78	0.151	21.74	0.149
5	16QAM	1	0	21.93	0.156	21.99	0.158	21.93	0.156
5	16QAM	1	12	21.91	0.155	22.00	0.158	21.98	0.158
5	16QAM	1	24	21.89	0.155	21.98	0.158	21.93	0.156
5	16QAM	12	0	20.56	0.114	20.60	0.115	20.60	0.115
5	16QAM	12	7	20.58	0.114	20.57	0.114	20.52	0.113
5	16QAM	12	13	20.46	0.111	20.53	0.113	20.51	0.112
5	16QAM	25	0	20.52	0.113	20.58	0.114	20.47	0.111
5	64QAM	1	0	20.63	0.116	20.67	0.117	20.68	0.117
5	64QAM	1	12	20.60	0.115	20.63	0.116	20.63	0.116
5	64QAM	1	24	20.68	0.117	20.60	0.115	20.59	0.115
5	64QAM	12	0	18.82	0.076	18.96	0.079	18.85	0.077
5	64QAM	12	7	18.79	0.076	18.88	0.077	18.80	0.076
5	64QAM	12	13	18.82	0.076	18.91	0.078	18.89	0.077
5	64QAM	25	0	18.80	0.076	18.85	0.077	18.81	0.076



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	22.52	0.179
3	QPSK	1	8	22.46	0.176	22.58	0.181	22.54	0.179
3	QPSK	1	14	22.52	0.179	22.47	0.177	22.50	0.178
3	QPSK	8	0	21.86	0.153	21.87	0.154	21.82	0.152
3	QPSK	8	4	21.79	0.151	21.81	0.152	21.72	0.149
3	QPSK	8	7	21.69	0.148	21.79	0.151	21.79	0.151
3	QPSK	15	0	21.70	0.148	21.82	0.152	21.69	0.148
3	16QAM	1	0	21.87	0.154	21.96	0.157	21.97	0.157
3	16QAM	1	8	21.92	0.156	21.92	0.156	21.96	0.157
3	16QAM	1	14	21.86	0.153	21.99	0.158	21.88	0.154
3	16QAM	8	0	20.55	0.114	20.57	0.114	20.58	0.114
3	16QAM	8	4	20.51	0.112	20.60	0.115	20.53	0.113
3	16QAM	8	7	20.46	0.111	20.59	0.115	20.58	0.114
3	16QAM	15	0	20.50	0.112	20.58	0.114	20.52	0.113
3	64QAM	1	0	20.61	0.115	20.72	0.118	20.63	0.116
3	64QAM	1	8	20.54	0.113	20.61	0.115	20.58	0.114
3	64QAM	1	14	20.62	0.115	20.64	0.116	20.56	0.114
3	64QAM	8	0	18.85	0.077	18.95	0.079	18.88	0.077
3	64QAM	8	4	18.79	0.076	18.85	0.077	18.82	0.076
3	64QAM	8	7	18.91	0.078	18.91	0.078	18.89	0.077
3	64QAM	15	0	18.80	0.076	18.83	0.076	18.81	0.076



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	22.50	0.178	22.61	0.182	22.51	0.178
1.4	QPSK	1	3	22.52	0.179	22.52	0.179	22.55	0.180
1.4	QPSK	1	5	22.52	0.179	22.56	0.180	22.41	0.174
1.4	QPSK	3	0	22.52	0.179	22.52	0.179	22.56	0.180
1.4	QPSK	3	1	22.54	0.179	22.52	0.179	22.45	0.176
1.4	QPSK	3	3	22.42	0.175	22.50	0.178	22.44	0.175
1.4	QPSK	6	0	21.72	0.149	21.77	0.150	21.73	0.149
1.4	16QAM	1	0	21.89	0.155	21.95	0.157	21.94	0.156
1.4	16QAM	1	3	21.95	0.157	21.97	0.157	21.90	0.155
1.4	16QAM	1	5	21.86	0.153	21.94	0.156	21.89	0.155
1.4	16QAM	3	0	21.62	0.145	21.63	0.146	21.59	0.144
1.4	16QAM	3	1	21.52	0.142	21.60	0.145	21.57	0.144
1.4	16QAM	3	3	21.50	0.141	21.58	0.144	21.60	0.145
1.4	16QAM	6	0	20.50	0.112	20.55	0.114	20.50	0.112
1.4	64QAM	1	0	20.64	0.116	20.68	0.117	20.68	0.117
1.4	64QAM	1	3	20.55	0.114	20.69	0.117	20.60	0.115
1.4	64QAM	1	5	20.63	0.116	20.63	0.116	20.59	0.115
1.4	64QAM	3	0	20.55	0.114	20.63	0.116	20.56	0.114
1.4	64QAM	3	1	20.57	0.114	20.65	0.116	20.60	0.115
1.4	64QAM	3	3	20.61	0.115	20.55	0.114	20.55	0.114
1.4	64QAM	6	0	18.83	0.076	18.87	0.077	18.74	0.075



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	18.72	0.074	18.76	0.075	18.81	0.076
20	QPSK	1	49	18.70	0.074	18.71	0.074	18.79	0.076
20	QPSK	1	99	18.68	0.074	18.70	0.074	18.78	0.076
20	QPSK	50	0	17.80	0.060	17.85	0.061	17.87	0.061
20	QPSK	50	24	17.76	0.060	17.77	0.060	17.84	0.061
20	QPSK	50	50	17.75	0.060	17.76	0.060	17.83	0.061
20	QPSK	100	0	17.76	0.060	17.84	0.061	17.86	0.061
20	16QAM	1	0	17.83	0.061	17.89	0.062	17.92	0.062
20	16QAM	1	49	17.85	0.061	17.88	0.061	17.89	0.062
20	16QAM	1	99	17.77	0.060	17.85	0.061	17.87	0.061
20	16QAM	50	0	16.75	0.047	16.74	0.047	16.81	0.048
20	16QAM	50	24	16.66	0.046	16.65	0.046	16.75	0.047
20	16QAM	50	50	16.56	0.045	16.63	0.046	16.65	0.046
20	16QAM	100	0	16.63	0.046	16.66	0.046	16.69	0.047
20	64QAM	1	0	16.72	0.047	16.79	0.048	16.80	0.048
20	64QAM	1	49	16.71	0.047	16.72	0.047	16.75	0.047
20	64QAM	1	99	16.71	0.047	16.63	0.046	16.73	0.047
20	64QAM	50	0	15.85	0.038	15.85	0.038	15.94	0.039
20	64QAM	50	24	15.90	0.039	15.91	0.039	15.93	0.039
20	64QAM	50	50	15.88	0.039	15.85	0.038	15.91	0.039
20	64QAM	100	0	15.86	0.039	15.82	0.038	15.89	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	18.66	0.073	18.73	0.075	18.73	0.075
15	QPSK	1	37	18.64	0.073	18.67	0.074	18.74	0.075
15	QPSK	1	74	18.64	0.073	18.61	0.073	18.71	0.074
15	QPSK	36	0	17.79	0.060	17.75	0.060	17.80	0.060
15	QPSK	36	20	17.69	0.059	17.68	0.059	17.78	0.060
15	QPSK	36	39	17.73	0.059	17.69	0.059	17.82	0.061
15	QPSK	75	0	17.75	0.060	17.75	0.060	17.84	0.061
15	16QAM	1	0	17.79	0.060	17.83	0.061	17.88	0.061
15	16QAM	1	37	17.81	0.060	17.87	0.061	17.86	0.061
15	16QAM	1	74	17.67	0.058	17.77	0.060	17.77	0.060
15	16QAM	36	0	16.67	0.046	16.69	0.047	16.74	0.047
15	16QAM	36	20	16.61	0.046	16.57	0.045	16.67	0.046
15	16QAM	36	39	16.48	0.044	16.57	0.045	16.57	0.045
15	16QAM	75	0	16.60	0.046	16.58	0.045	16.65	0.046
15	64QAM	1	0	16.66	0.046	16.78	0.048	16.71	0.047
15	64QAM	1	37	16.64	0.046	16.63	0.046	16.69	0.047
15	64QAM	1	74	16.63	0.046	16.56	0.045	16.64	0.046
15	64QAM	36	0	15.78	0.038	15.76	0.038	15.86	0.039
15	64QAM	36	20	15.88	0.039	15.81	0.038	15.84	0.038
15	64QAM	36	39	15.80	0.038	15.78	0.038	15.89	0.039
15	64QAM	75	0	15.82	0.038	15.78	0.038	15.83	0.038



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	18.70	0.074	18.69	0.074	18.72	0.074
10	QPSK	1	25	18.66	0.073	18.62	0.073	18.74	0.075
10	QPSK	1	49	18.63	0.073	18.67	0.074	18.69	0.074
10	QPSK	25	0	17.74	0.059	17.84	0.061	17.79	0.060
10	QPSK	25	12	17.70	0.059	17.70	0.059	17.76	0.060
10	QPSK	25	25	17.70	0.059	17.73	0.059	17.80	0.060
10	QPSK	50	0	17.73	0.059	17.81	0.060	17.82	0.061
10	16QAM	1	0	17.80	0.060	17.79	0.060	17.84	0.061
10	16QAM	1	25	17.82	0.061	17.84	0.061	17.79	0.060
10	16QAM	1	49	17.72	0.059	17.83	0.061	17.80	0.060
10	16QAM	25	0	16.66	0.046	16.66	0.046	16.72	0.047
10	16QAM	25	12	16.58	0.045	16.60	0.046	16.67	0.046
10	16QAM	25	25	16.52	0.045	16.61	0.046	16.60	0.046
10	16QAM	50	0	16.53	0.045	16.61	0.046	16.63	0.046
10	64QAM	1	0	16.64	0.046	16.72	0.047	16.78	0.048
10	64QAM	1	25	16.69	0.047	16.71	0.047	16.68	0.047
10	64QAM	1	49	16.65	0.046	16.57	0.045	16.67	0.046
10	64QAM	25	0	15.75	0.038	15.79	0.038	15.91	0.039
10	64QAM	25	12	15.86	0.039	15.87	0.039	15.91	0.039
10	64QAM	25	25	15.84	0.038	15.79	0.038	15.84	0.038
10	64QAM	50	0	15.80	0.038	15.75	0.038	15.88	0.039



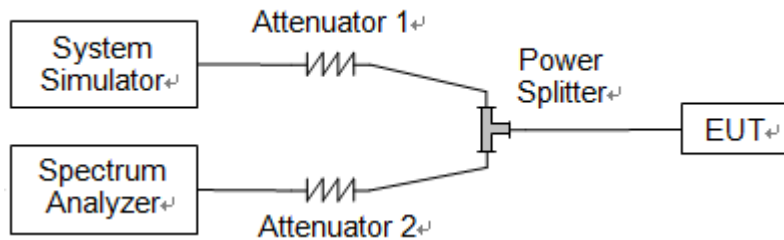
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.65	0.073	18.72	0.074	18.79	0.076
5	QPSK	1	12	18.68	0.074	18.67	0.074	18.71	0.074
5	QPSK	1	24	18.59	0.072	18.60	0.072	18.73	0.075
5	QPSK	12	0	17.72	0.059	17.76	0.060	17.77	0.060
5	QPSK	12	7	17.66	0.058	17.75	0.060	17.82	0.061
5	QPSK	12	13	17.72	0.059	17.74	0.059	17.75	0.060
5	QPSK	25	0	17.69	0.059	17.80	0.060	17.80	0.060
5	16QAM	1	0	17.73	0.059	17.79	0.060	17.83	0.061
5	16QAM	1	12	17.76	0.060	17.86	0.061	17.87	0.061
5	16QAM	1	24	17.71	0.059	17.84	0.061	17.82	0.061
5	16QAM	12	0	16.68	0.047	16.69	0.047	16.73	0.047
5	16QAM	12	7	16.63	0.046	16.58	0.045	16.69	0.047
5	16QAM	12	13	16.54	0.045	16.60	0.046	16.55	0.045
5	16QAM	25	0	16.62	0.046	16.63	0.046	16.63	0.046
5	64QAM	1	0	16.70	0.047	16.76	0.047	16.74	0.047
5	64QAM	1	12	16.61	0.046	16.66	0.046	16.66	0.046
5	64QAM	1	24	16.63	0.046	16.54	0.045	16.68	0.047
5	64QAM	12	0	15.80	0.038	15.79	0.038	15.86	0.039
5	64QAM	12	7	15.87	0.039	15.84	0.038	15.83	0.038
5	64QAM	12	13	15.85	0.038	15.84	0.038	15.85	0.038
5	64QAM	25	0	15.77	0.038	15.81	0.038	15.88	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	1.2402	PASS
B2	1.4	Low	18607	1850.7	16QAM	1.0952	1.2415	PASS
B2	1.4	Low	18607	1850.7	64QAM	1.1054	1.2502	PASS
B2	1.4	Mid	18900	1880	QPSK	1.0991	1.2509	PASS
B2	1.4	Mid	18900	1880	16QAM	1.0988	1.2534	PASS
B2	1.4	Mid	18900	1880	64QAM	1.1067	1.2503	PASS
B2	1.4	High	19193	1909.3	QPSK	1.0988	1.2470	PASS
B2	1.4	High	19193	1909.3	16QAM	1.1018	1.2593	PASS
B2	1.4	High	19193	1909.3	64QAM	1.1010	1.2499	PASS
B2	3	Low	18615	1851.5	QPSK	2.7120	3.0405	PASS
B2	3	Low	18615	1851.5	16QAM	2.7081	3.0389	PASS
B2	3	Low	18615	1851.5	64QAM	2.7154	3.0430	PASS
B2	3	Mid	18900	1880	QPSK	2.7136	3.0338	PASS
B2	3	Mid	18900	1880	16QAM	2.7150	3.0542	PASS
B2	3	Mid	18900	1880	64QAM	2.7136	3.0281	PASS
B2	3	High	19185	1908.5	QPSK	2.7150	3.0632	PASS
B2	3	High	19185	1908.5	16QAM	2.7088	3.0431	PASS
B2	3	High	19185	1908.5	64QAM	2.7058	3.0265	PASS
B2	5	Low	18625	1852.5	QPSK	4.4747	4.8799	PASS
B2	5	Low	18625	1852.5	16QAM	4.4725	4.8980	PASS
B2	5	Low	18625	1852.5	64QAM	4.4801	4.8676	PASS
B2	5	Mid	18900	1880	QPSK	4.4719	4.8812	PASS
B2	5	Mid	18900	1880	16QAM	4.4774	4.9255	PASS
B2	5	Mid	18900	1880	64QAM	4.4702	4.8960	PASS
B2	5	High	19175	1907.5	QPSK	4.4702	4.9032	PASS
B2	5	High	19175	1907.5	16QAM	4.4638	4.6953	PASS
B2	5	High	19175	1907.5	64QAM	4.4836	4.9095	PASS
B2	10	Low	18650	1855	QPSK	8.9510	9.7783	PASS
B2	10	Low	18650	1855	16QAM	8.9434	9.7035	PASS
B2	10	Low	18650	1855	64QAM	8.9610	9.7380	PASS
B2	10	Mid	18900	1880	QPSK	8.9588	9.6917	PASS
B2	10	Mid	18900	1880	16QAM	8.9400	9.7088	PASS
B2	10	Mid	18900	1880	64QAM	8.9527	9.8026	PASS



B2	10	High	19150	1905	QPSK	8.9502	9.7047	PASS
B2	10	High	19150	1905	16QAM	8.9277	9.7020	PASS
B2	10	High	19150	1905	64QAM	8.9565	9.7368	PASS
B2	15	Low	18675	1857.5	QPSK	13.424	14.577	PASS
B2	15	Low	18675	1857.5	16QAM	13.406	14.739	PASS
B2	15	Low	18675	1857.5	64QAM	13.414	14.701	PASS
B2	15	Mid	18900	1880	QPSK	13.403	14.710	PASS
B2	15	Mid	18900	1880	16QAM	13.421	14.794	PASS
B2	15	Mid	18900	1880	64QAM	13.440	14.747	PASS
B2	15	High	19125	1902.5	QPSK	13.456	14.632	PASS
B2	15	High	19125	1902.5	16QAM	13.409	14.752	PASS
B2	15	High	19125	1902.5	64QAM	13.400	14.537	PASS
B2	20	Low	18700	1860	QPSK	17.884	19.376	PASS
B2	20	Low	18700	1860	16QAM	17.903	19.437	PASS
B2	20	Low	18700	1860	64QAM	17.927	19.438	PASS
B2	20	Mid	18900	1880	QPSK	17.926	19.386	PASS
B2	20	Mid	18900	1880	16QAM	17.934	19.548	PASS
B2	20	Mid	18900	1880	64QAM	17.952	19.472	PASS
B2	20	High	19100	1900	QPSK	17.896	19.254	PASS
B2	20	High	19100	1900	16QAM	17.863	19.462	PASS
B2	20	High	19100	1900	64QAM	17.881	19.266	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	1.0953	1.2383	PASS
B4	1.4	Low	19957	1710.7	16QAM	1.0977	1.2522	PASS
B4	1.4	Low	19957	1710.7	64QAM	1.1053	1.2515	PASS
B4	1.4	Mid	20175	1732.5	QPSK	1.0962	1.2503	PASS
B4	1.4	Mid	20175	1732.5	16QAM	1.0958	1.2505	PASS
B4	1.4	Mid	20175	1732.5	64QAM	1.1032	1.2509	PASS
B4	1.4	High	20393	1754.3	QPSK	1.0985	1.2480	PASS
B4	1.4	High	20393	1754.3	16QAM	1.0989	1.2495	PASS
B4	1.4	High	20393	1754.3	64QAM	1.1036	1.2534	PASS
B4	3	Low	19965	1711.5	QPSK	2.7143	3.0375	PASS
B4	3	Low	19965	1711.5	16QAM	2.7199	3.0487	PASS
B4	3	Low	19965	1711.5	64QAM	2.7135	3.0437	PASS
B4	3	Mid	20175	1732.5	QPSK	2.7101	3.0496	PASS
B4	3	Mid	20175	1732.5	16QAM	2.7138	3.0300	PASS
B4	3	Mid	20175	1732.5	64QAM	2.7157	3.0362	PASS
B4	3	High	20385	1753.5	QPSK	2.7184	3.0615	PASS
B4	3	High	20385	1753.5	16QAM	2.7214	3.0614	PASS
B4	3	High	20385	1753.5	64QAM	2.7132	3.0312	PASS
B4	5	Low	19975	1712.5	QPSK	4.4689	4.8960	PASS
B4	5	Low	19975	1712.5	16QAM	4.4729	4.8980	PASS
B4	5	Low	19975	1712.5	64QAM	4.4772	4.8818	PASS
B4	5	Mid	20175	1732.5	QPSK	4.4669	4.8823	PASS
B4	5	Mid	20175	1732.5	16QAM	4.4613	4.8861	PASS
B4	5	Mid	20175	1732.5	64QAM	4.4787	4.8818	PASS
B4	5	High	20375	1752.5	QPSK	4.4779	4.8978	PASS
B4	5	High	20375	1752.5	16QAM	4.4704	4.9106	PASS
B4	5	High	20375	1752.5	64QAM	4.4797	4.8923	PASS
B4	10	Low	20000	1715	QPSK	8.9407	9.6730	PASS
B4	10	Low	20000	1715	16QAM	8.9296	9.6738	PASS
B4	10	Low	20000	1715	64QAM	8.9454	9.7756	PASS
B4	10	Mid	20175	1732.5	QPSK	8.9730	9.7771	PASS
B4	10	Mid	20175	1732.5	16QAM	8.9351	9.6970	PASS
B4	10	Mid	20175	1732.5	64QAM	8.9501	9.8246	PASS
B4	10	High	20350	1750	QPSK	8.9409	9.8305	PASS
B4	10	High	20350	1750	16QAM	8.9362	9.6896	PASS



B4	10	High	20350	1750	64QAM	8.9501	9.7642	PASS
B4	15	Low	20025	1717.5	QPSK	13.423	14.526	PASS
B4	15	Low	20025	1717.5	16QAM	13.404	14.748	PASS
B4	15	Low	20025	1717.5	64QAM	13.392	14.668	PASS
B4	15	Mid	20175	1732.5	QPSK	13.441	14.677	PASS
B4	15	Mid	20175	1732.5	16QAM	13.433	14.706	PASS
B4	15	Mid	20175	1732.5	64QAM	13.417	14.616	PASS
B4	15	High	20325	1747.5	QPSK	13.462	14.661	PASS
B4	15	High	20325	1747.5	16QAM	13.417	14.672	PASS
B4	15	High	20325	1747.5	64QAM	13.405	14.655	PASS
B4	20	Low	20050	1720	QPSK	17.895	19.265	PASS
B4	20	Low	20050	1720	16QAM	17.859	19.375	PASS
B4	20	Low	20050	1720	64QAM	17.871	19.396	PASS
B4	20	Mid	20175	1732.5	QPSK	17.924	19.450	PASS
B4	20	Mid	20175	1732.5	16QAM	17.956	19.504	PASS
B4	20	Mid	20175	1732.5	64QAM	17.918	19.569	PASS
B4	20	High	20300	1745	QPSK	17.936	19.441	PASS
B4	20	High	20300	1745	16QAM	17.932	19.539	PASS
B4	20	High	20300	1745	64QAM	17.913	19.396	PASS



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	1.0941	1.2473	PASS
B5	1.4	Low	20407	824.7	16QAM	1.0983	1.2488	PASS
B5	1.4	Low	20407	824.7	64QAM	1.1024	1.2525	PASS
B5	1.4	Mid	20525	836.5	QPSK	1.0977	1.2457	PASS
B5	1.4	Mid	20525	836.5	16QAM	1.0990	1.2588	PASS
B5	1.4	Mid	20525	836.5	64QAM	1.1005	1.2471	PASS
B5	1.4	High	20643	848.3	QPSK	1.1008	1.2585	PASS
B5	1.4	High	20643	848.3	16QAM	1.1002	1.2521	PASS
B5	1.4	High	20643	848.3	64QAM	1.1031	1.2532	PASS
B5	3	Low	20415	825.5	QPSK	2.7117	3.0530	PASS
B5	3	Low	20415	825.5	16QAM	2.7067	3.0594	PASS
B5	3	Low	20415	825.5	64QAM	2.7068	3.0469	PASS
B5	3	Mid	20525	836.5	QPSK	2.7144	3.0410	PASS
B5	3	Mid	20525	836.5	16QAM	2.7120	3.0676	PASS
B5	3	Mid	20525	836.5	64QAM	2.7080	3.0406	PASS
B5	3	High	20635	847.5	QPSK	2.7230	3.0701	PASS
B5	3	High	20635	847.5	16QAM	2.7125	3.0529	PASS
B5	3	High	20635	847.5	64QAM	2.7123	3.0443	PASS
B5	5	Low	20425	826.5	QPSK	4.4684	4.8868	PASS
B5	5	Low	20425	826.5	16QAM	4.4693	4.9117	PASS
B5	5	Low	20425	826.5	64QAM	4.4692	4.8813	PASS
B5	5	Mid	20525	836.5	QPSK	4.4705	4.9024	PASS
B5	5	Mid	20525	836.5	16QAM	4.4774	4.8980	PASS
B5	5	Mid	20525	836.5	64QAM	4.4821	4.8583	PASS
B5	5	High	20625	846.5	QPSK	4.4724	4.9139	PASS
B5	5	High	20625	846.5	16QAM	4.4701	4.8951	PASS
B5	5	High	20625	846.5	64QAM	4.4829	4.9352	PASS
B5	10	Low	20450	829	QPSK	8.9530	9.7201	PASS
B5	10	Low	20450	829	16QAM	8.9357	9.7093	PASS
B5	10	Low	20450	829	64QAM	8.9573	9.7199	PASS
B5	10	Mid	20525	836.5	QPSK	8.9487	9.7855	PASS
B5	10	Mid	20525	836.5	16QAM	8.9407	9.7437	PASS
B5	10	Mid	20525	836.5	64QAM	8.9582	9.7831	PASS
B5	10	High	20600	844	QPSK	8.9567	9.7271	PASS
B5	10	High	20600	844	16QAM	8.9212	9.6805	PASS



B5	10	High	20600	844	64QAM	8.9346	9.7899	PASS
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LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B7	5	Low	20775	2502.5	QPSK	4.4742	4.8744	PASS
B7	5	Low	20775	2502.5	16QAM	4.4611	4.8695	PASS
B7	5	Low	20775	2502.5	64QAM	4.4806	4.8768	PASS
B7	5	Mid	21100	2535	QPSK	4.4677	4.8698	PASS
B7	5	Mid	21100	2535	16QAM	4.4770	4.8866	PASS
B7	5	Mid	21100	2535	64QAM	4.4785	4.8881	PASS
B7	5	High	21425	2567.5	QPSK	4.4712	4.9117	PASS
B7	5	High	21425	2567.5	16QAM	4.4650	4.8976	PASS
B7	5	High	21425	2567.5	64QAM	4.4789	4.9065	PASS
B7	10	Low	20800	2505	QPSK	8.9639	9.8185	PASS
B7	10	Low	20800	2505	16QAM	8.9305	9.6623	PASS
B7	10	Low	20800	2505	64QAM	8.9508	9.7488	PASS
B7	10	Mid	21100	2535	QPSK	8.9597	9.8295	PASS
B7	10	Mid	21100	2535	16QAM	8.9319	9.7425	PASS
B7	10	Mid	21100	2535	64QAM	8.9525	9.7924	PASS
B7	10	High	21400	2565	QPSK	8.9591	9.8139	PASS
B7	10	High	21400	2565	16QAM	8.9356	9.7112	PASS
B7	10	High	21400	2565	64QAM	8.9538	9.7322	PASS
B7	15	Low	20825	2507.5	QPSK	13.451	14.617	PASS
B7	15	Low	20825	2507.5	16QAM	13.430	14.617	PASS
B7	15	Low	20825	2507.5	64QAM	13.399	14.639	PASS
B7	15	Mid	21100	2535	QPSK	13.451	14.754	PASS
B7	15	Mid	21100	2535	16QAM	13.438	14.743	PASS
B7	15	Mid	21100	2535	64QAM	13.408	14.564	PASS
B7	15	High	21375	2562.5	QPSK	13.430	14.636	PASS
B7	15	High	21375	2562.5	16QAM	13.432	14.736	PASS
B7	15	High	21375	2562.5	64QAM	13.418	14.681	PASS
B7	20	Low	20850	2510	QPSK	17.868	19.399	PASS
B7	20	Low	20850	2510	16QAM	17.890	19.531	PASS
B7	20	Low	20850	2510	64QAM	17.887	19.302	PASS
B7	20	Mid	21100	2535	QPSK	17.900	19.361	PASS
B7	20	Mid	21100	2535	16QAM	17.935	19.550	PASS
B7	20	Mid	21100	2535	64QAM	17.930	19.514	PASS



B7	20	High	21350	2560	QPSK	17.919	19.476	PASS
B7	20	High	21350	2560	16QAM	17.927	19.637	PASS
B7	20	High	21350	2560	64QAM	17.924	19.376	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	1.0954	1.2478	PASS
B12	1.4	Low	23017	699.7	16QAM	1.0992	1.2498	PASS
B12	1.4	Low	23017	699.7	64QAM	1.1017	1.2501	PASS
B12	1.4	Mid	23095	707.5	QPSK	1.0962	1.2479	PASS
B12	1.4	Mid	23095	707.5	16QAM	1.0983	1.2482	PASS
B12	1.4	Mid	23095	707.5	64QAM	1.1010	1.2508	PASS
B12	1.4	High	23173	715.3	QPSK	1.0976	1.2492	PASS
B12	1.4	High	23173	715.3	16QAM	1.0959	1.2531	PASS
B12	1.4	High	23173	715.3	64QAM	1.1008	1.2487	PASS
B12	3	Low	23025	700.5	QPSK	2.7125	3.0664	PASS
B12	3	Low	23025	700.5	16QAM	2.7173	3.0465	PASS
B12	3	Low	23025	700.5	64QAM	2.7140	3.0582	PASS
B12	3	Mid	23095	707.5	QPSK	2.7183	3.0373	PASS
B12	3	Mid	23095	707.5	16QAM	2.7128	3.0603	PASS
B12	3	Mid	23095	707.5	64QAM	2.7124	3.0345	PASS
B12	3	High	23165	714.5	QPSK	2.7153	3.0391	PASS
B12	3	High	23165	714.5	16QAM	2.7135	3.0579	PASS
B12	3	High	23165	714.5	64QAM	2.7174	3.0408	PASS
B12	5	Low	23035	701.5	QPSK	4.4687	4.8707	PASS
B12	5	Low	23035	701.5	16QAM	4.4620	4.8887	PASS
B12	5	Low	23035	701.5	64QAM	4.4702	4.8778	PASS
B12	5	Mid	23095	707.5	QPSK	4.4679	4.8766	PASS
B12	5	Mid	23095	707.5	16QAM	4.4726	4.9158	PASS
B12	5	Mid	23095	707.5	64QAM	4.4791	4.8770	PASS
B12	5	High	23155	713.5	QPSK	4.4676	4.8615	PASS
B12	5	High	23155	713.5	16QAM	4.4761	4.8717	PASS
B12	5	High	23155	713.5	64QAM	4.4787	4.8705	PASS
B12	10	Low	23060	704	QPSK	8.9605	9.7915	PASS
B12	10	Low	23060	704	16QAM	8.9410	9.6535	PASS
B12	10	Low	23060	704	64QAM	8.9588	9.8077	PASS
B12	10	Mid	23095	707.5	QPSK	8.9214	9.6649	PASS



B12	10	Mid	23095	707.5	16QAM	8.9202	9.7038	PASS
B12	10	Mid	23095	707.5	64QAM	8.9350	9.7519	PASS
B12	10	High	23130	711	QPSK	8.9528	9.7377	PASS
B12	10	High	23130	711	16QAM	8.9363	9.6858	PASS
B12	10	High	23130	711	64QAM	8.9586	9.7708	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	4.4728	4.8932	PASS
B17	5	Low	23755	706.5	16QAM	4.4745	4.9149	PASS
B17	5	Low	23755	706.5	64QAM	4.4786	4.8976	PASS
B17	5	Mid	23790	710	QPSK	4.4635	4.8795	PASS
B17	5	Mid	23790	710	16QAM	4.4753	4.9026	PASS
B17	5	Mid	23790	710	64QAM	4.4809	4.8978	PASS
B17	5	High	23825	713.5	QPSK	4.4688	4.8712	PASS
B17	5	High	23825	713.5	16QAM	4.4613	4.8962	PASS
B17	5	High	23825	713.5	64QAM	4.4823	4.8731	PASS
B17	10	Low	23780	709	QPSK	8.9416	9.7579	PASS
B17	10	Low	23780	709	16QAM	8.9298	9.6514	PASS
B17	10	Low	23780	709	64QAM	8.9499	9.7583	PASS
B17	10	Mid	23790	710	QPSK	8.9519	9.6764	PASS
B17	10	Mid	23790	710	16QAM	8.9315	9.6696	PASS
B17	10	Mid	23790	710	64QAM	8.9565	9.7681	PASS
B17	10	High	23800	711	QPSK	8.9509	9.7719	PASS
B17	10	High	23800	711	16QAM	8.9249	9.6273	PASS
B17	10	High	23800	711	64QAM	8.9470	9.7534	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	1.0954	1.2413	PASS
B66	1.4	Low	131979	1710.7	16QAM	1.0983	1.2526	PASS
B66	1.4	Low	131979	1710.7	64QAM	1.1026	1.2488	PASS
B66	1.4	Mid	132322	1745	QPSK	1.0958	1.2403	PASS
B66	1.4	Mid	132322	1745	16QAM	1.0984	1.2477	PASS
B66	1.4	Mid	132322	1745	64QAM	1.1011	1.2538	PASS
B66	1.4	High	132665	1779.3	QPSK	1.0943	1.2404	PASS
B66	1.4	High	132665	1779.3	16QAM	1.0961	1.2593	PASS
B66	1.4	High	132665	1779.3	64QAM	1.1019	1.2438	PASS
B66	3	Low	131987	1711.5	QPSK	2.7097	3.0272	PASS
B66	3	Low	131987	1711.5	16QAM	2.7087	3.0566	PASS
B66	3	Low	131987	1711.5	64QAM	2.7095	3.0406	PASS
B66	3	Mid	132322	1745	QPSK	2.7173	3.0529	PASS
B66	3	Mid	132322	1745	16QAM	2.7073	3.0515	PASS
B66	3	Mid	132322	1745	64QAM	2.7083	3.0295	PASS
B66	3	High	132657	1778.5	QPSK	2.7156	3.0366	PASS
B66	3	High	132657	1778.5	16QAM	2.7175	3.0524	PASS
B66	3	High	132657	1778.5	64QAM	2.7081	3.0344	PASS
B66	5	Low	131997	1712.5	QPSK	4.4679	4.8840	PASS
B66	5	Low	131997	1712.5	16QAM	4.4743	4.9118	PASS
B66	5	Low	131997	1712.5	64QAM	4.4743	4.8697	PASS
B66	5	Mid	132322	1745	QPSK	4.4767	4.8716	PASS
B66	5	Mid	132322	1745	16QAM	4.4688	4.8812	PASS
B66	5	Mid	132322	1745	64QAM	4.4769	4.8897	PASS
B66	5	High	132647	1777.5	QPSK	4.4724	4.8854	PASS
B66	5	High	132647	1777.5	16QAM	4.4663	4.8843	PASS
B66	5	High	132647	1777.5	64QAM	4.4809	4.8910	PASS
B66	10	Low	132022	1715	QPSK	8.9463	9.7231	PASS
B66	10	Low	132022	1715	16QAM	8.9257	9.6605	PASS
B66	10	Low	132022	1715	64QAM	8.9561	9.8086	PASS
B66	10	Mid	132322	1745	QPSK	8.9443	9.7787	PASS
B66	10	Mid	132322	1745	16QAM	8.9365	9.6562	PASS
B66	10	Mid	132322	1745	64QAM	8.9608	9.8000	PASS
B66	10	High	132622	1775	QPSK	8.9459	9.7437	PASS
B66	10	High	132622	1775	16QAM	8.9405	9.6770	PASS



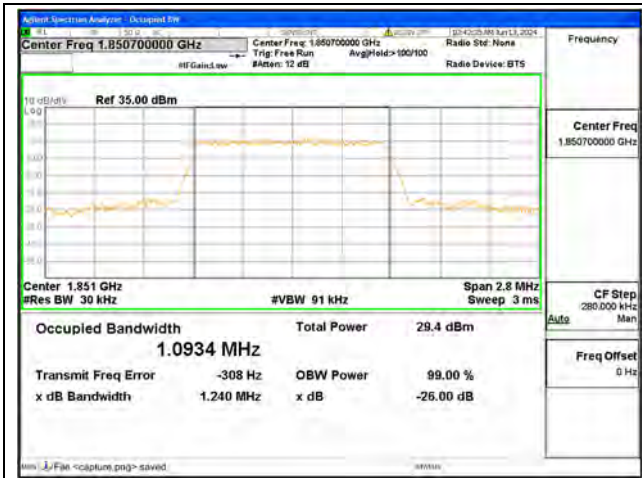
B66	10	High	132622	1775	64QAM	8.9439	9.8312	PASS
B66	15	Low	132047	1717.5	QPSK	13.438	14.703	PASS
B66	15	Low	132047	1717.5	16QAM	13.393	14.792	PASS
B66	15	Low	132047	1717.5	64QAM	13.391	14.567	PASS
B66	15	Mid	132322	1745	QPSK	13.437	14.681	PASS
B66	15	Mid	132322	1745	16QAM	13.420	14.651	PASS
B66	15	Mid	132322	1745	64QAM	13.429	14.647	PASS
B66	15	High	132597	1772.5	QPSK	13.462	14.720	PASS
B66	15	High	132597	1772.5	16QAM	13.405	14.757	PASS
B66	15	High	132597	1772.5	64QAM	13.425	14.622	PASS
B66	20	Low	132072	1720	QPSK	17.865	18.933	PASS
B66	20	Low	132072	1720	16QAM	17.865	19.344	PASS
B66	20	Low	132072	1720	64QAM	17.859	19.412	PASS
B66	20	Mid	132322	1745	QPSK	17.929	19.384	PASS
B66	20	Mid	132322	1745	16QAM	17.930	19.465	PASS
B66	20	Mid	132322	1745	64QAM	17.941	19.346	PASS
B66	20	High	132572	1770	QPSK	17.890	19.498	PASS
B66	20	High	132572	1770	16QAM	17.906	19.549	PASS
B66	20	High	132572	1770	64QAM	17.933	19.553	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B71	5	Low	133147	665.5	QPSK	4.4715	4.8817	PASS
B71	5	Low	133147	665.5	16QAM	4.4649	4.8616	PASS
B71	5	Low	133147	665.5	64QAM	4.4755	4.8983	PASS
B71	5	Mid	133297	680.5	QPSK	4.4659	4.8651	PASS
B71	5	Mid	133297	680.5	16QAM	4.4741	4.9143	PASS
B71	5	Mid	133297	680.5	64QAM	4.4744	4.8675	PASS
B71	5	High	133447	695.5	QPSK	4.4663	4.8811	PASS
B71	5	High	133447	695.5	16QAM	4.4670	4.8960	PASS
B71	5	High	133447	695.5	64QAM	4.4763	4.8845	PASS
B71	10	Low	133172	668	QPSK	8.9622	9.6928	PASS
B71	10	Low	133172	668	16QAM	8.9382	9.6903	PASS
B71	10	Low	133172	668	64QAM	8.9538	9.7225	PASS
B71	10	Mid	133297	680.5	QPSK	8.9528	9.7002	PASS
B71	10	Mid	133297	680.5	16QAM	8.9273	9.6135	PASS
B71	10	Mid	133297	680.5	64QAM	8.9496	9.7631	PASS
B71	10	High	133422	693	QPSK	8.9593	9.7830	PASS
B71	10	High	133422	693	16QAM	8.9350	9.7069	PASS
B71	10	High	133422	693	64QAM	8.9546	9.7535	PASS
B71	15	Low	133197	670.5	QPSK	13.419	14.619	PASS
B71	15	Low	133197	670.5	16QAM	13.408	14.736	PASS
B71	15	Low	133197	670.5	64QAM	13.402	14.722	PASS
B71	15	Mid	133297	680.5	QPSK	13.413	14.589	PASS
B71	15	Mid	133297	680.5	16QAM	13.423	14.683	PASS
B71	15	Mid	133297	680.5	64QAM	13.409	14.604	PASS
B71	15	High	133397	690.5	QPSK	13.473	14.586	PASS
B71	15	High	133397	690.5	16QAM	13.406	14.693	PASS
B71	15	High	133397	690.5	64QAM	13.388	14.800	PASS
B71	20	Low	133222	673	QPSK	17.925	19.572	PASS
B71	20	Low	133222	673	16QAM	17.938	19.373	PASS
B71	20	Low	133222	673	64QAM	17.941	19.342	PASS
B71	20	Mid	133322	683	QPSK	17.887	19.123	PASS
B71	20	Mid	133322	683	16QAM	17.872	19.438	PASS
B71	20	Mid	133322	683	64QAM	17.908	19.453	PASS
B71	20	High	133372	688	QPSK	17.836	19.374	PASS
B71	20	High	133372	688	16QAM	17.896	19.452	PASS



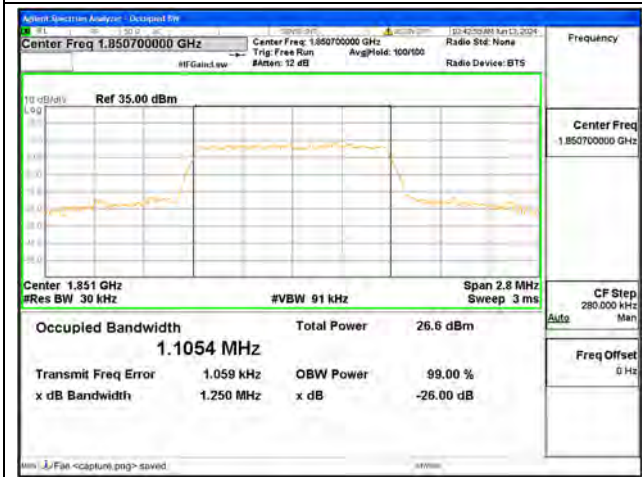
B71	20	High	133372	688	64QAM	17.843	18.543	PASS
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B2 / 1.4MHz / QPSK/ Low CH



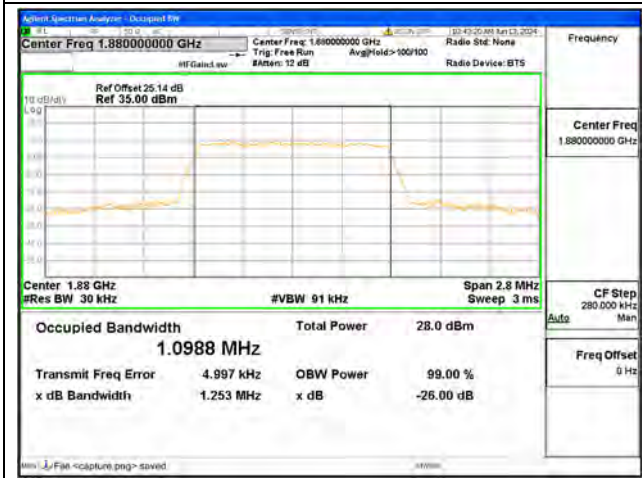
B2 / 1.4MHz / 16QAM/ Low CH



B2 / 1.4MHz / 64QAM/ Low CH



B2 / 1.4MHz / QPSK/ Mid CH



B2 / 1.4MHz / 16QAM/ Mid CH



B2 / 1.4MHz / 64QAM/ Mid CH



B2 / 1.4MHz / QPSK/ High CH



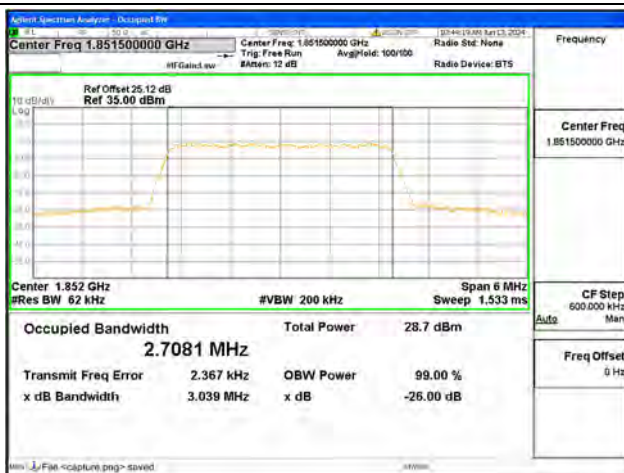
B2 / 1.4MHz / 16QAM/ High CH



B2 / 1.4MHz / 64QAM/ High CH



B2 / 3MHz / QPSK/ Low CH



B2 / 3MHz / 16QAM/ Low CH



B2 / 3MHz / 64QAM/ Low CH



B2 / 3MHz / QPSK/ Mid CH



B2 / 3MHz / 16QAM/ Mid CH



B2 / 3MHz / 64QAM/ Mid CH



B2 / 3MHz / QPSK/ High CH



B2 / 3MHz / 16QAM/ High CH



B2 / 3MHz / 64QAM/ High CH



B2 / 5MHz / QPSK/ Low CH



B2 / 5MHz / 16QAM/ Low CH



B2 / 5MHz / 64QAM/ Low CH



B2 / 5MHz / QPSK/ Mid CH



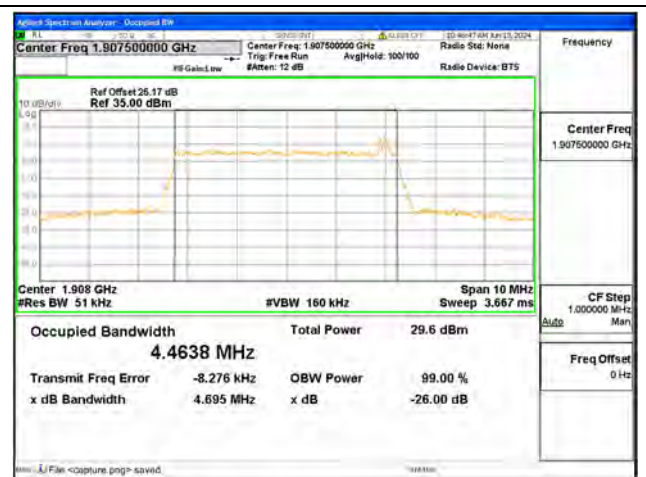
B2 / 5MHz / 16QAM/ Mid CH



B2 / 5MHz / 64QAM/ Mid CH



B2 / 5MHz / QPSK/ High CH



B2 / 5MHz / 16QAM/ High CH



B2 / 5MHz / 64QAM/ High CH



B2 / 10MHz / QPSK/ Low CH



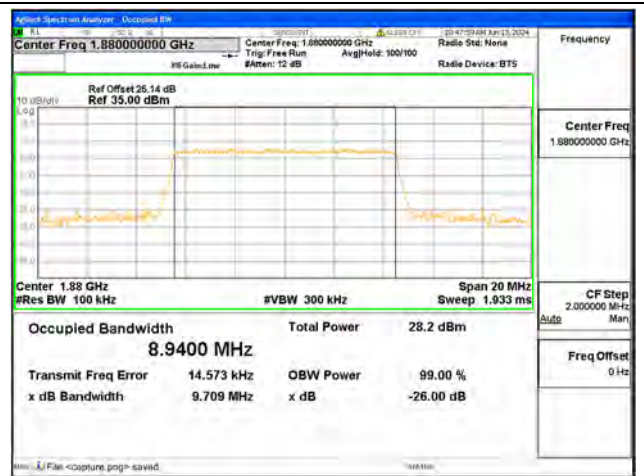
B2 / 10MHz / 16QAM/ Low CH



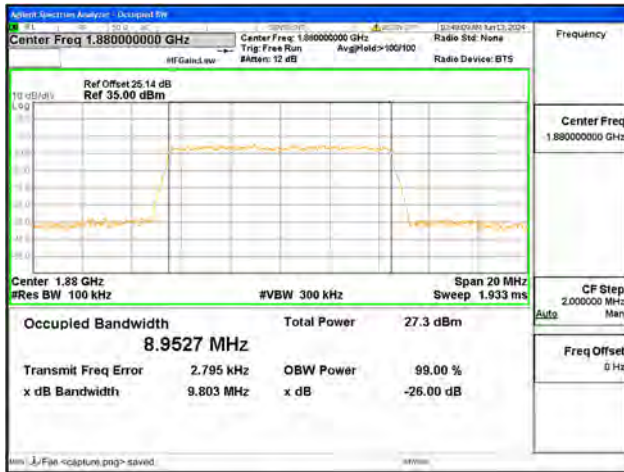
B2 / 10MHz / 64QAM/ Low CH



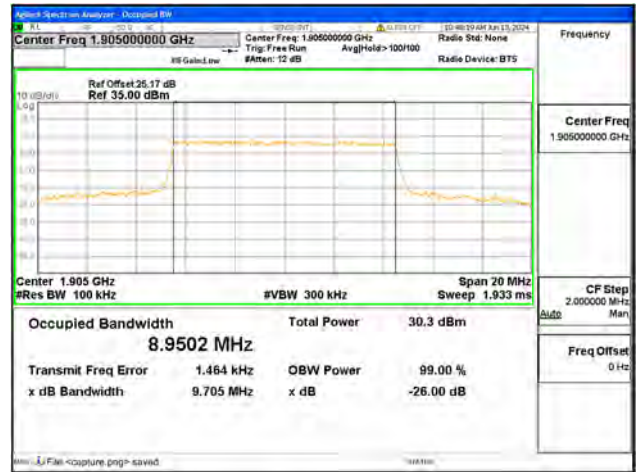
B2 / 10MHz / QPSK/ Mid CH



B2 / 10MHz / 16QAM/ Mid CH



B2 / 10MHz / 64QAM/ Mid CH



B2 / 10MHz / QPSK/ High CH



B2 / 10MHz / 16QAM/ High CH



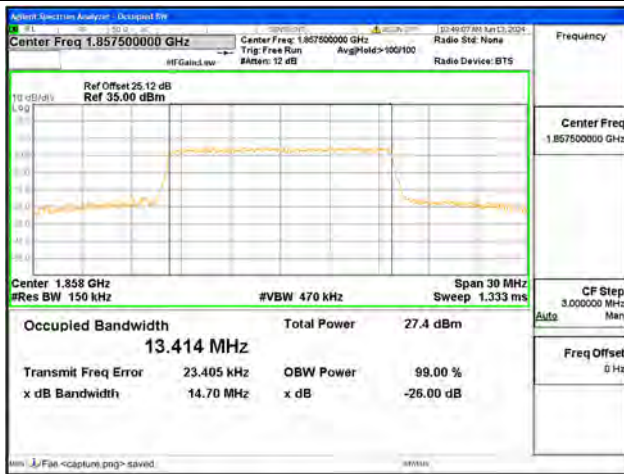
B2 / 10MHz / 64QAM/ High CH



B2 / 15MHz / QPSK/ Low CH



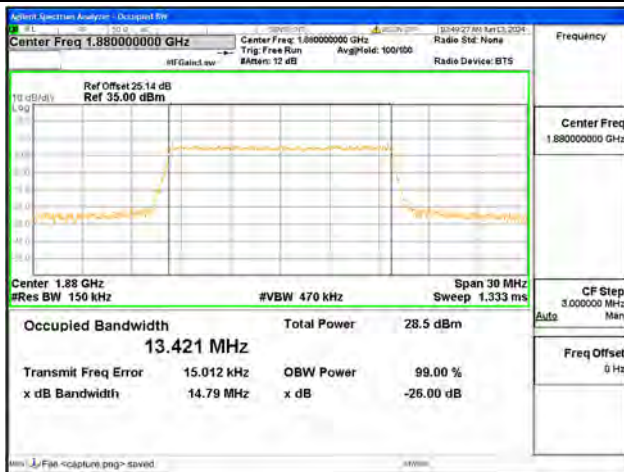
B2 / 15MHz / 16QAM/ Low CH



B2 / 15MHz / 64QAM/ Low CH



B2 / 15MHz / QPSK/ Mid CH



B2 / 15MHz / 16QAM/ Mid CH



B2 / 15MHz / 64QAM/ Mid CH



B2 / 15MHz / QPSK/ High CH



B2 / 15MHz / 16QAM/ High CH



B2 / 15MHz / 64QAM/ High CH



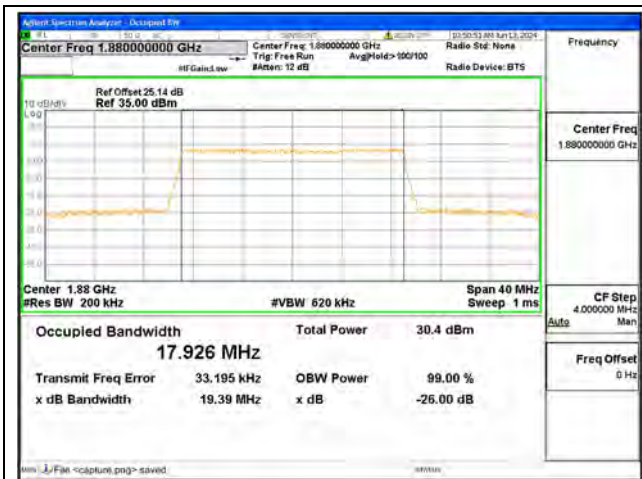
B2 / 20MHz / QPSK/ Low CH



B2 / 20MHz / 16QAM/ Low CH



B2 / 20MHz / 64QAM/ Low CH



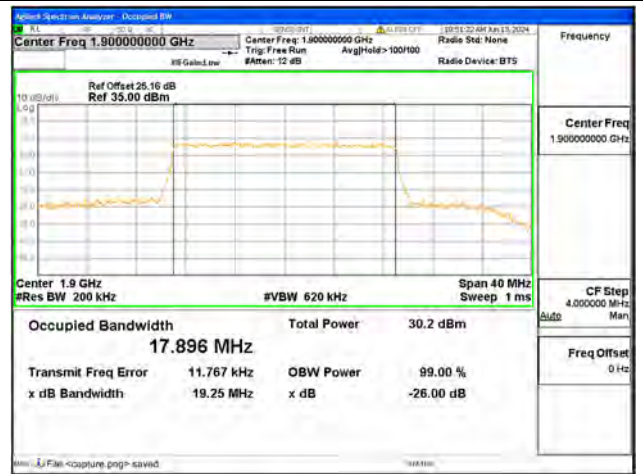
B2 / 20MHz / QPSK/ Mid CH



B2 / 20MHz / 16QAM/ Mid CH



B2 / 20MHz / 64QAM/ Mid CH



B2 / 20MHz / QPSK/ High CH



B2 / 20MHz / 16QAM/ High CH



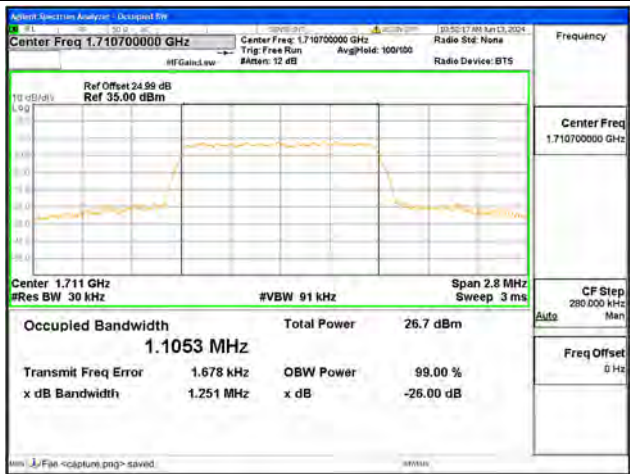
B2 / 20MHz / 64QAM/ High CH



B4 / 1.4MHz / QPSK/ Low CH



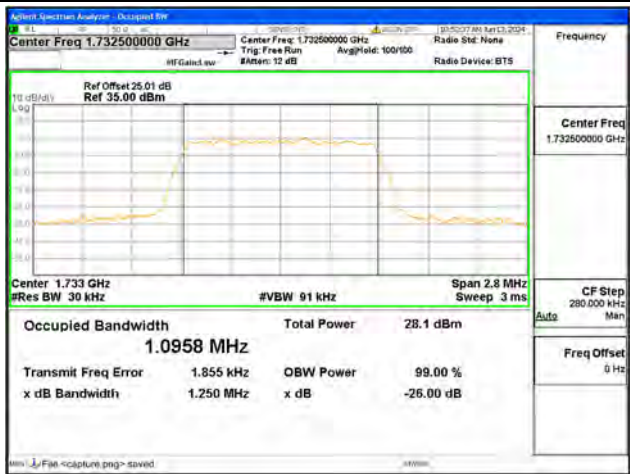
B4 / 1.4MHz / 16QAM/ Low CH



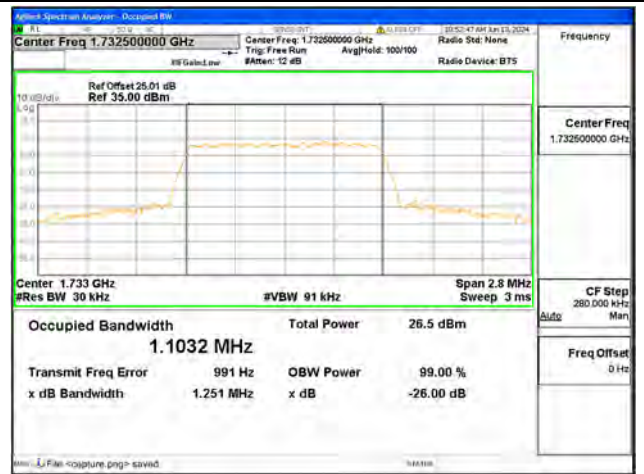
B4 / 1.4MHz / 64QAM/ Low CH



B4 / 1.4MHz / QPSK/ Mid CH



B4 / 1.4MHz / 16QAM/ Mid CH



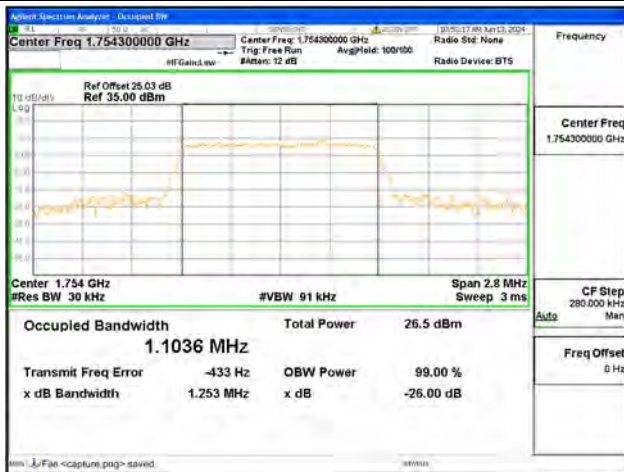
B4 / 1.4MHz / 64QAM/ Mid CH



B4 / 1.4MHz / QPSK/ High CH



B4 / 1.4MHz / 16QAM/ High CH



B4 / 1.4MHz / 64QAM/ High CH



B4 / 3MHz / QPSK/ Low CH



B4 / 3MHz / 16QAM/ Low CH



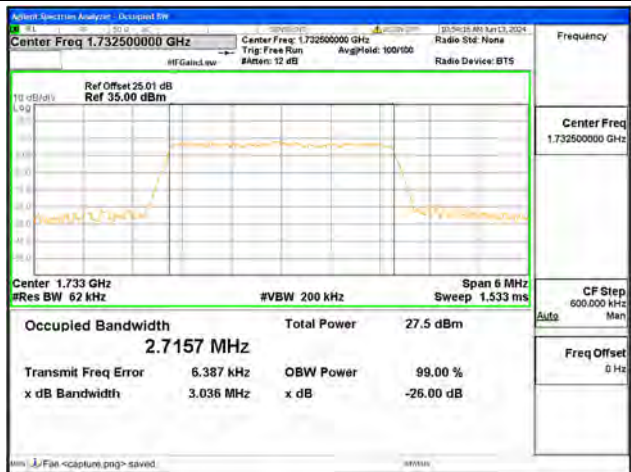
B4 / 3MHz / 64QAM/ Low CH



B4 / 3MHz / QPSK/ Mid CH



B4 / 3MHz / 16QAM/ Mid CH



B4 / 3MHz / 64QAM/ Mid CH



B4 / 3MHz / QPSK/ High CH



B4 / 3MHz / 16QAM/ High CH



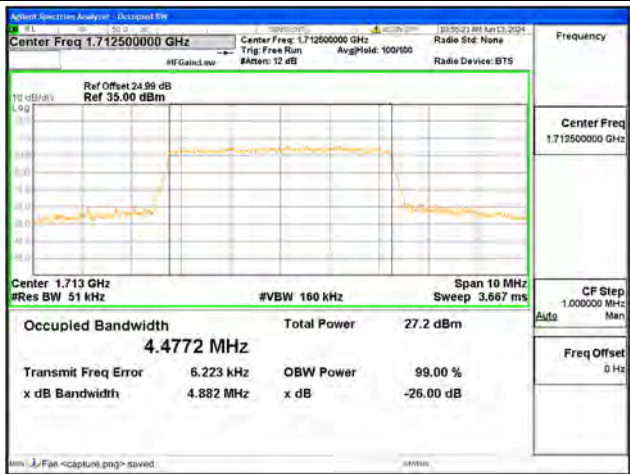
B4 / 3MHz / 64QAM/ High CH



B4 / 5MHz / QPSK/ Low CH



B4 / 5MHz / 16QAM/ Low CH



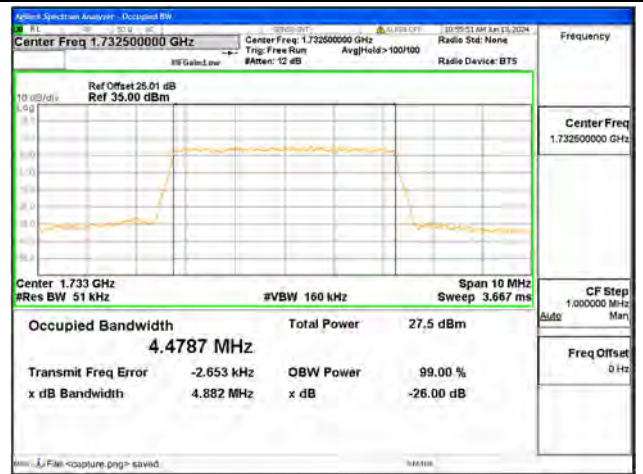
B4 / 5MHz / 64QAM/ Low CH



B4 / 5MHz / QPSK/ Mid CH



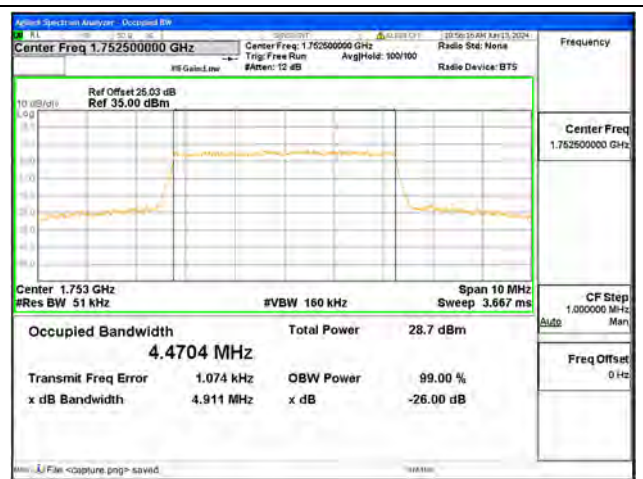
B4 / 5MHz / 16QAM/ Mid CH



B4 / 5MHz / 64QAM/ Mid CH



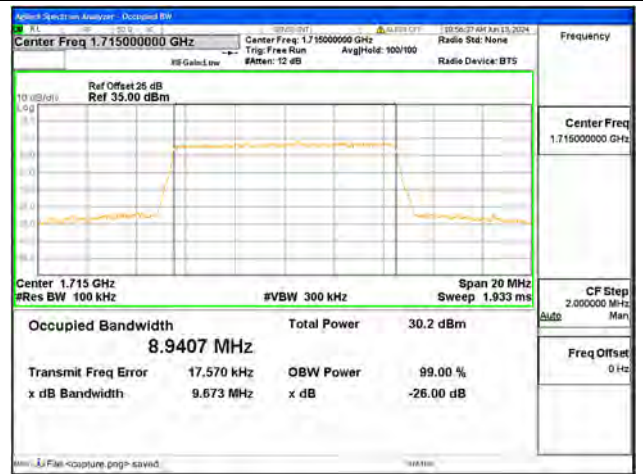
B4 / 5MHz / QPSK/ High CH



B4 / 5MHz / 16QAM/ High CH



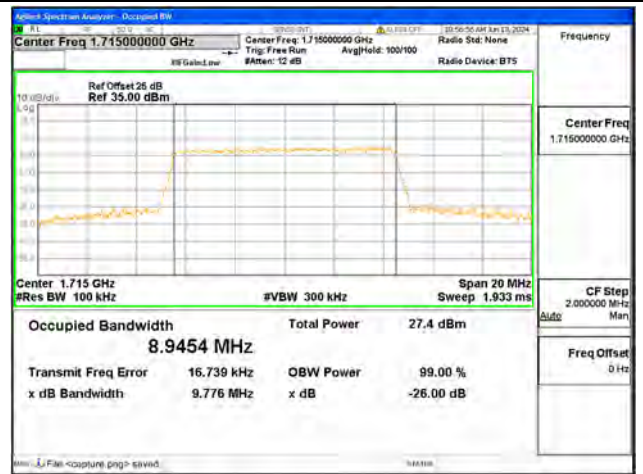
B4 / 5MHz / 64QAM/ High CH



B4 / 10MHz / QPSK/ Low CH



B4 / 10MHz / 16QAM/ Low CH



B4 / 10MHz / 64QAM/ Low CH



B4 / 10MHz / QPSK/ Mid CH



B4 / 10MHz / 16QAM/ Mid CH



B4 / 10MHz / 64QAM/ Mid CH



B4 / 10MHz / QPSK/ High CH



B4 / 10MHz / 16QAM/ High CH



B4 / 10MHz / 64QAM/ High CH



B4 / 15MHz / QPSK/ Low CH



B4 / 15MHz / 16QAM/ Low CH



B4 / 15MHz / 64QAM/ Low CH



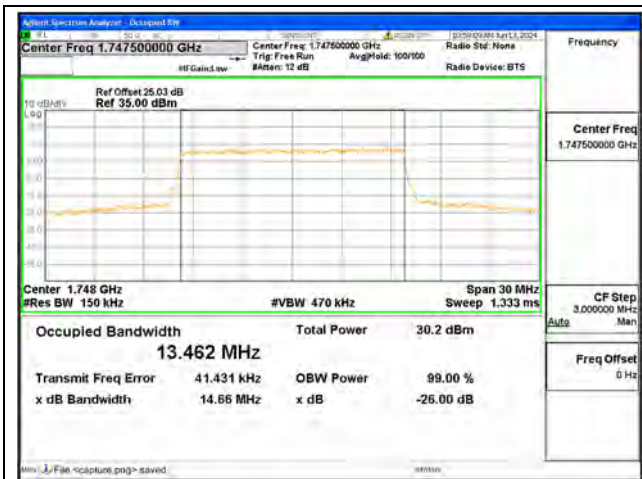
B4 / 15MHz / QPSK/ Mid CH



B4 / 15MHz / 16QAM/ Mid CH



B4 / 15MHz / 64QAM/ Mid CH



B4 / 15MHz / QPSK / High CH



B4 / 15MHz / 16QAM / High CH



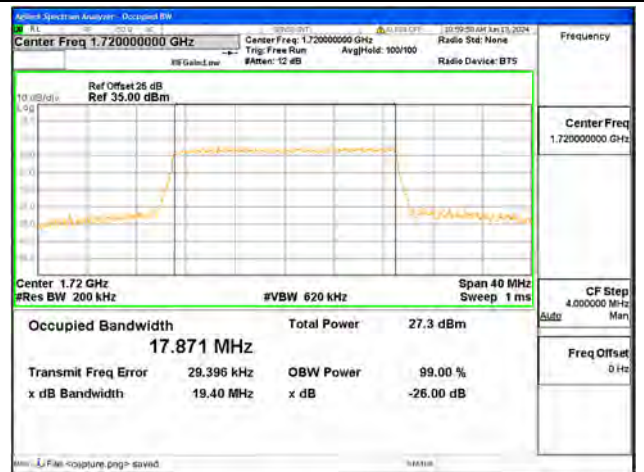
B4 / 15MHz / 64QAM / High CH



B4 / 20MHz / QPSK / Low CH



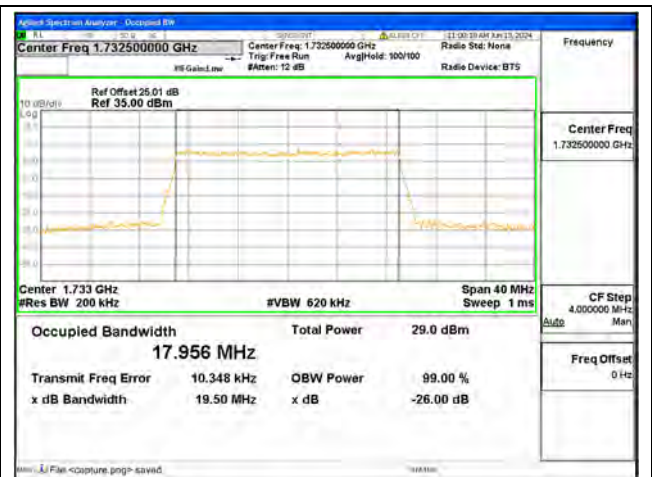
B4 / 20MHz / 16QAM / Low CH



B4 / 20MHz / 64QAM / Low CH



B4 / 20MHz / QPSK/ Mid CH



B4 / 20MHz / 16QAM/ Mid CH



B4 / 20MHz / 64QAM/ Mid CH



B4 / 20MHz / QPSK/ High CH



B4 / 20MHz / 16QAM/ High CH



B4 / 20MHz / 64QAM/ High CH



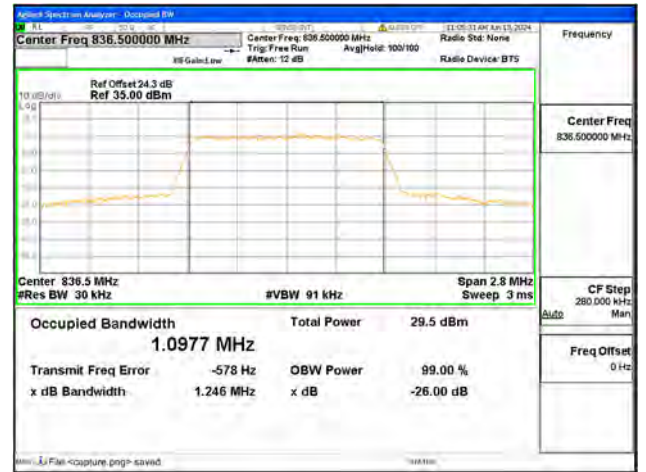
B5 / 1.4MHz / QPSK/ Low CH



B5 / 1.4MHz / 16QAM/ Low CH



B5 / 1.4MHz / 64QAM/ Low CH



B5 / 1.4MHz / QPSK/ Mid CH



B5 / 1.4MHz / 16QAM/ Mid CH



B5 / 1.4MHz / 64QAM/ Mid CH



B5 / 1.4MHz / QPSK/ High CH



B5 / 1.4MHz / 16QAM/ High CH



B5 / 1.4MHz / 64QAM/ High CH



B5 / 3MHz / QPSK/ Low CH



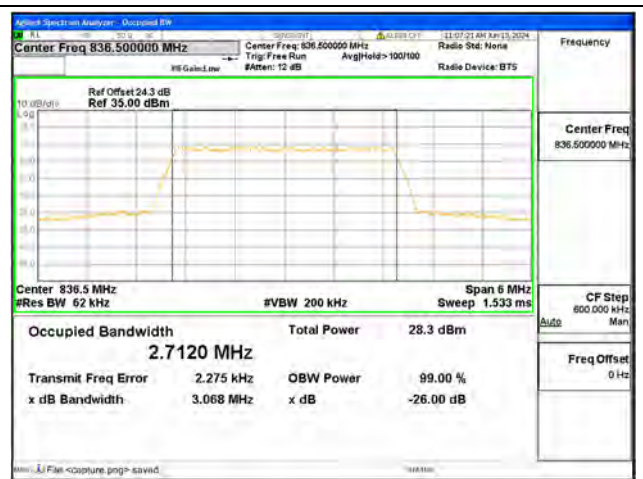
B5 / 3MHz / 16QAM/ Low CH



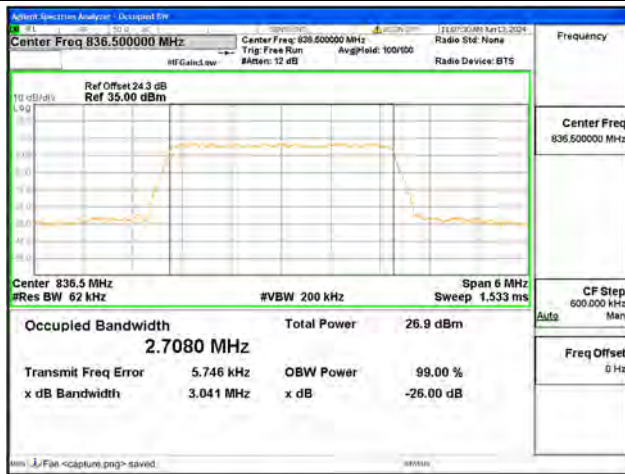
B5 / 3MHz / 64QAM/ Low CH



B5 / 3MHz / QPSK/ Mid CH



B5 / 3MHz / 16QAM/ Mid CH



B5 / 3MHz / 64QAM/ Mid CH



B5 / 3MHz / QPSK/ High CH



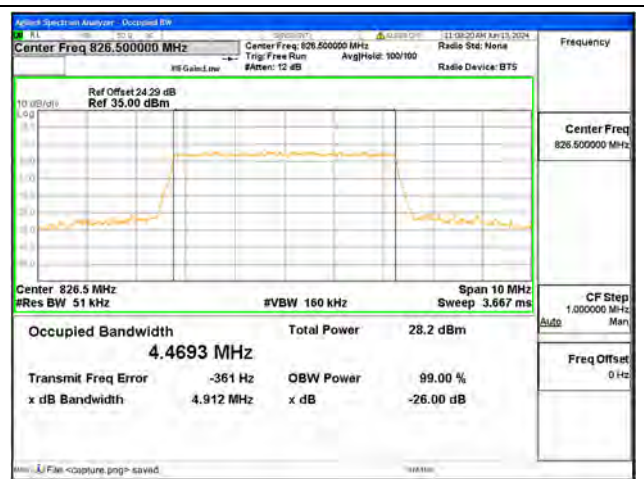
B5 / 3MHz / 16QAM/ High CH



B5 / 3MHz / 64QAM/ High CH



B5 / 5MHz / QPSK/ Low CH



B5 / 5MHz / 16QAM/ Low CH



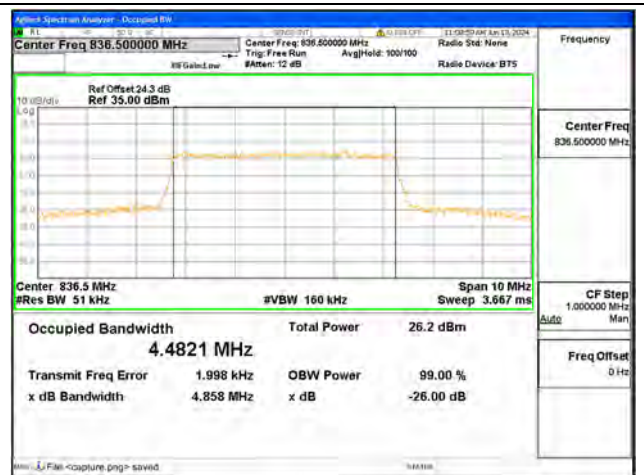
B5 / 5MHz / 64QAM/ Low CH



B5 / 5MHz / QPSK/ Mid CH



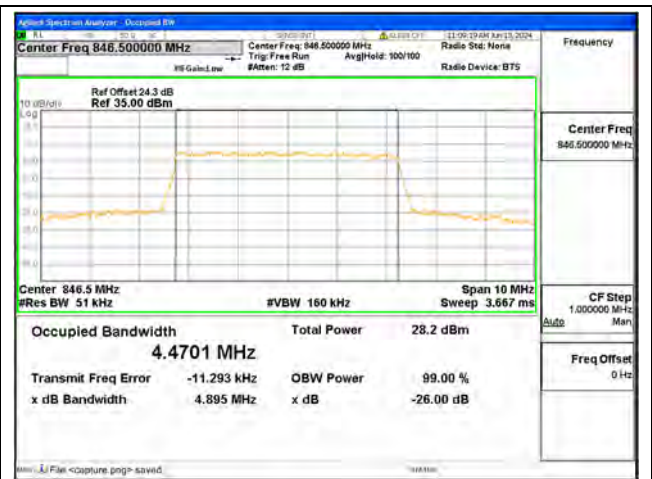
B5 / 5MHz / 16QAM/ Mid CH



B5 / 5MHz / 64QAM/ Mid CH



B5 / 5MHz / QPSK/ High CH



B5 / 5MHz / 16QAM/ High CH



B5 / 5MHz / 64QAM/ High CH



B5 / 10MHz / QPSK/ Low CH



B5 / 10MHz / 16QAM/ Low CH



B5 / 10MHz / 64QAM/ Low CH



B5 / 10MHz / QPSK/ Mid CH



B5 / 10MHz / 16QAM/ Mid CH



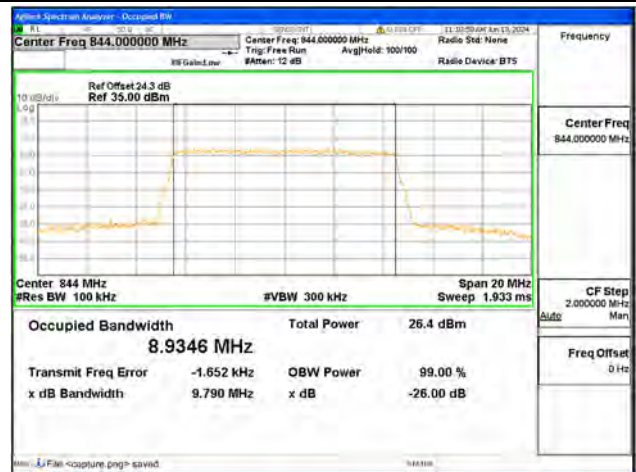
B5 / 10MHz / 64QAM/ Mid CH



B5 / 10MHz / QPSK/ High CH



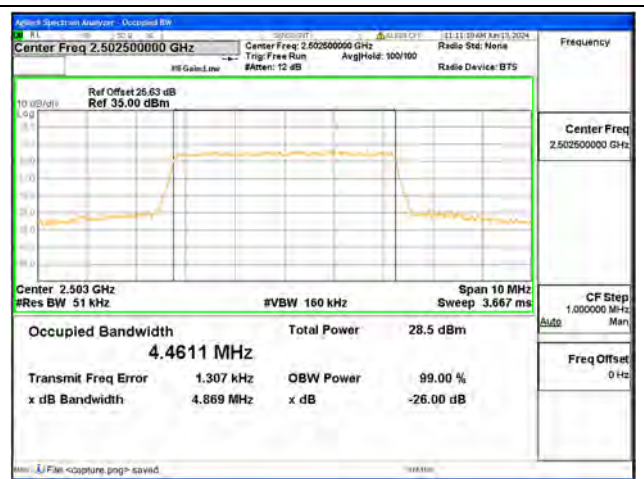
B5 / 10MHz / 16QAM/ High CH



B5 / 10MHz / 64QAM/ High CH



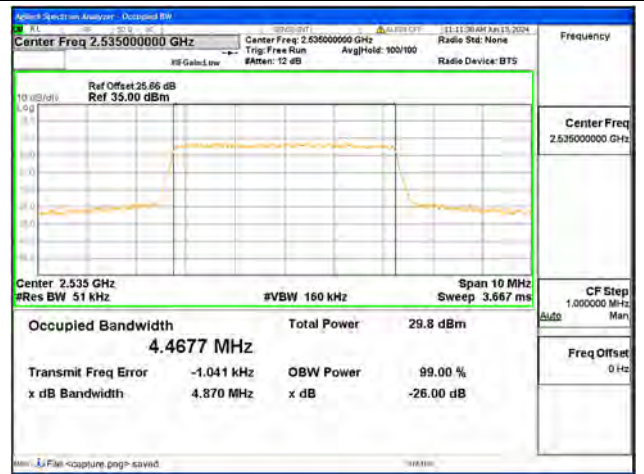
B7 / 5MHz / QPSK/ Low CH



B7 / 5MHz / 16QAM/ Low CH



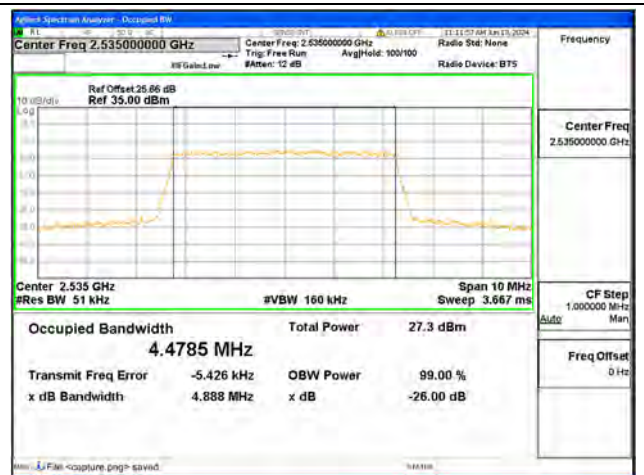
B7 / 5MHz / 64QAM/ Low CH



B7 / 5MHz / QPSK/ Mid CH



B7 / 5MHz / 16QAM/ Mid CH



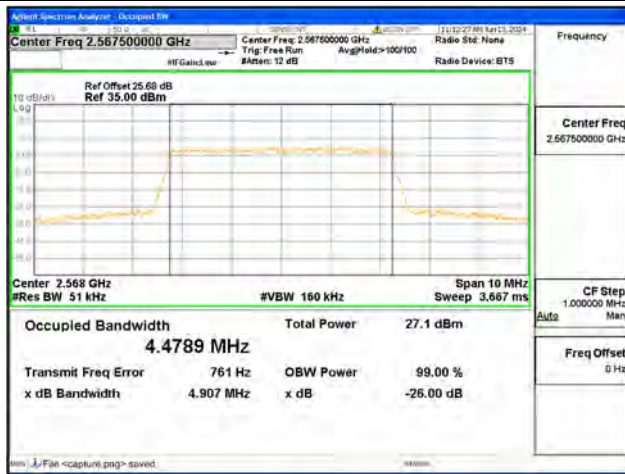
B7 / 5MHz / 64QAM/ Mid CH



B7 / 5MHz / QPSK/ High CH



B7 / 5MHz / 16QAM/ High CH



B7 / 5MHz / 64QAM/ High CH



B7 / 10MHz / QPSK/ Low CH



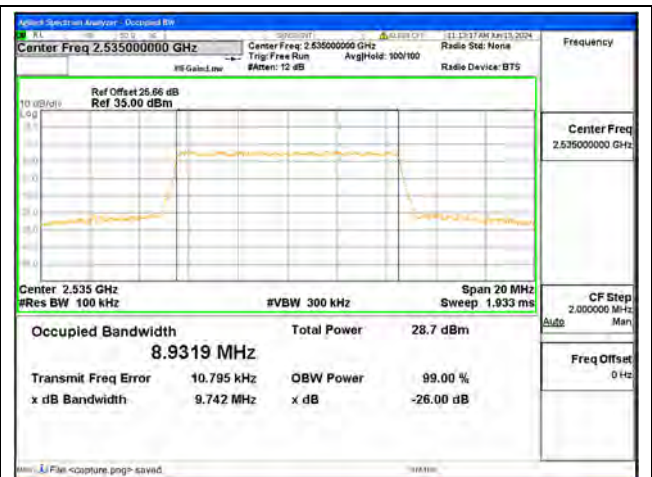
B7 / 10MHz / 16QAM/ Low CH



B7 / 10MHz / 64QAM/ Low CH



B7 / 10MHz / QPSK/ Mid CH



B7 / 10MHz / 16QAM/ Mid CH



B7 / 10MHz / 64QAM/ Mid CH



B7 / 10MHz / QPSK/ High CH



B7 / 10MHz / 16QAM/ High CH



B7 / 10MHz / 64QAM/ High CH



B7 / 15MHz / QPSK/ Low CH



B7 / 15MHz / 16QAM/ Low CH



B7 / 15MHz / 64QAM/ Low CH



B7 / 15MHz / QPSK/ Mid CH



B7 / 15MHz / 16QAM/ Mid CH



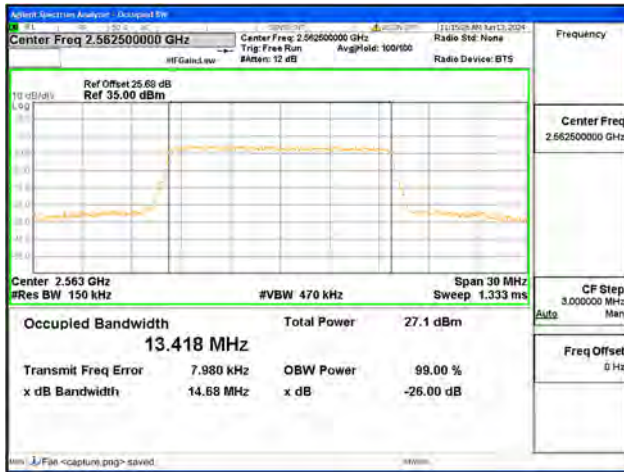
B7 / 15MHz / 64QAM/ Mid CH



B7 / 15MHz / QPSK/ High CH



B7 / 15MHz / 16QAM/ High CH



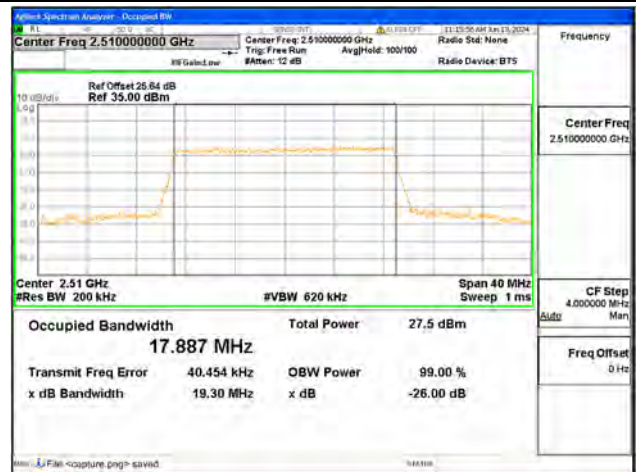
B7 / 15MHz / 64QAM/ High CH



B7 / 20MHz / QPSK/ Low CH



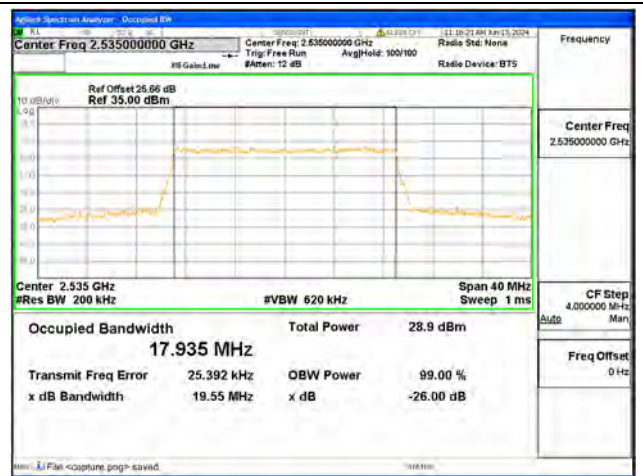
B7 / 20MHz / 16QAM/ Low CH



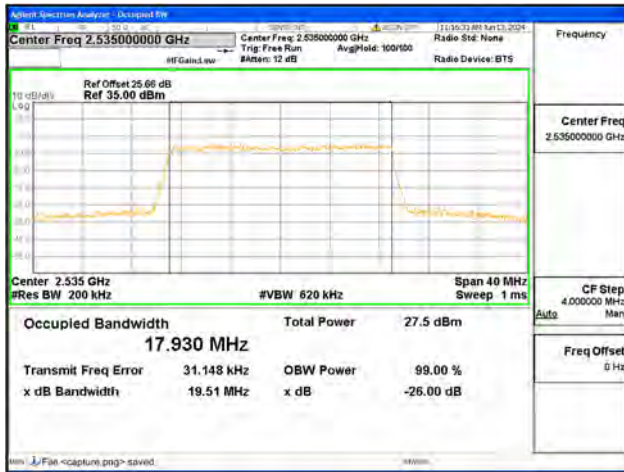
B7 / 20MHz / 64QAM/ Low CH



B7 / 20MHz / QPSK/ Mid CH



B7 / 20MHz / 16QAM/ Mid CH



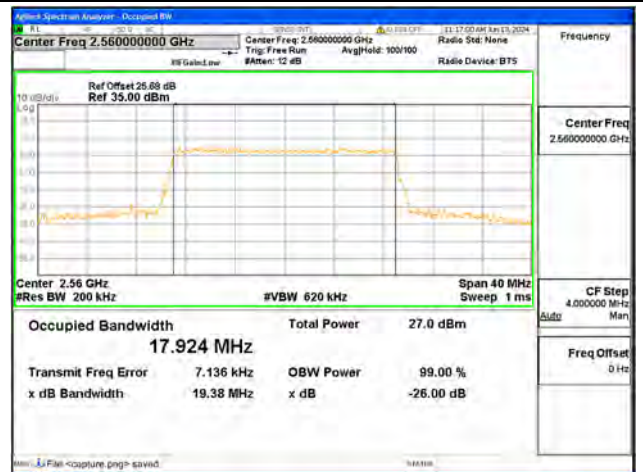
B7 / 20MHz / 64QAM/ Mid CH



B7 / 20MHz / QPSK/ High CH



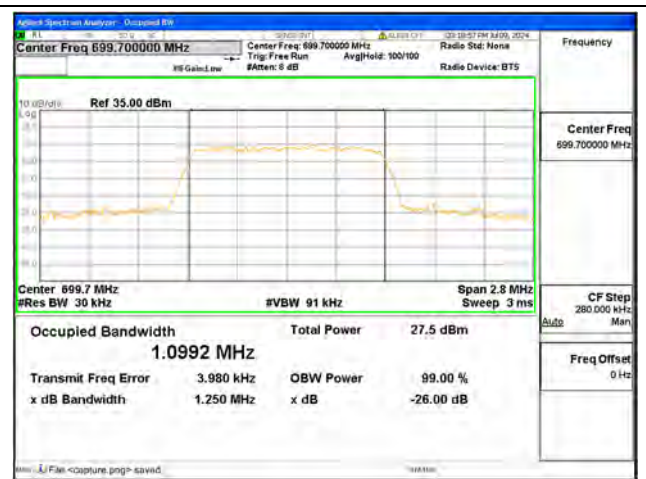
B7 / 20MHz / 16QAM/ High CH



B7 / 20MHz / 64QAM/ High CH



B12 / 1.4MHz / QPSK/ Low CH



B12 / 1.4MHz / 16QAM/ Low CH



B12 / 1.4MHz / 64QAM/ Low CH



B12 / 1.4MHz / QPSK/ Mid CH



B12 / 1.4MHz / 16QAM/ Mid CH



B12 / 1.4MHz / 64QAM/ Mid CH



B12 / 1.4MHz / QPSK/ High CH



B12 / 1.4MHz / 16QAM/ High CH



B12 / 1.4MHz / 64QAM/ High CH



B12 / 3MHz / QPSK/ Low CH



B12 / 3MHz / 16QAM/ Low CH



B12 / 3MHz / 64QAM/ Low CH



B12 / 3MHz / QPSK/ Mid CH



B12 / 3MHz / 16QAM/ Mid CH



B12 / 3MHz / 64QAM/ Mid CH



B12 / 3MHz / QPSK/ High CH



B12 / 3MHz / 16QAM/ High CH



B12 / 3MHz / 64QAM/ High CH



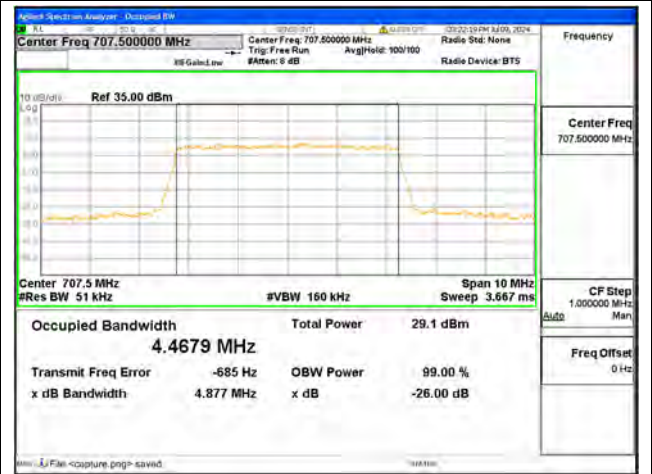
B12 / 5MHz / QPSK/ Low CH



B12 / 5MHz / 16QAM/ Low CH



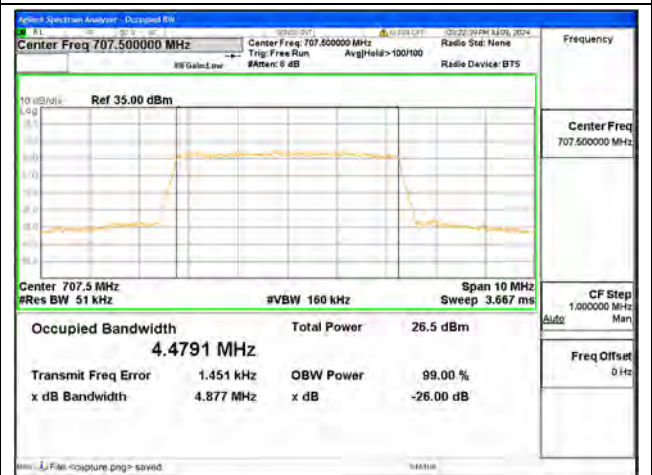
B12 / 5MHz / 64QAM/ Low CH



B12 / 5MHz / QPSK/ Mid CH



B12 / 5MHz / 16QAM/ Mid CH



B12 / 5MHz / 64QAM/ Mid CH



B12 / 5MHz / QPSK/ High CH



B12 / 5MHz / 16QAM/ High CH



B12 / 5MHz / 64QAM/ High CH



B12 / 10MHz / QPSK/ Low CH



B12 / 10MHz / 16QAM/ Low CH



B12 / 10MHz / 64QAM/ Low CH



B12 / 10MHz / QPSK/ Mid CH



B12 / 10MHz / 16QAM/ Mid CH



B12 / 10MHz / 64QAM/ Mid CH



B12 / 10MHz / QPSK/ High CH



B12 / 10MHz / 16QAM/ High CH



B12 / 10MHz / 64QAM/ High CH



B17 / 5MHz / QPSK/ Low CH



B17 / 5MHz / 16QAM/ Low CH



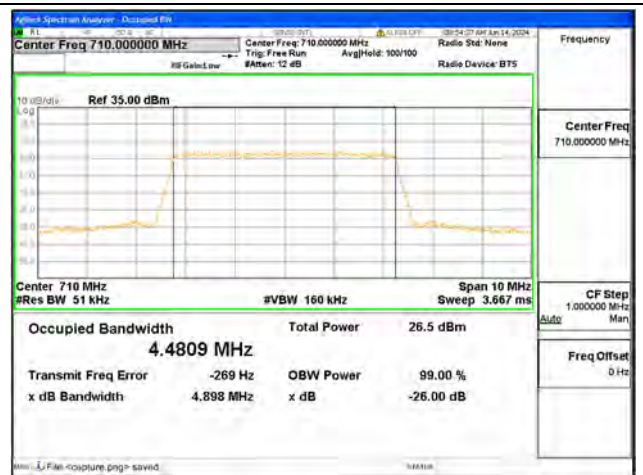
B17 / 5MHz / 64QAM/ Low CH



B17 / 5MHz / QPSK/ Mid CH



B17 / 5MHz / 16QAM/ Mid CH



B17 / 5MHz / 64QAM/ Mid CH



B17 / 5MHz / QPSK/ High CH



B17 / 5MHz / 16QAM/ High CH



B17 / 5MHz / 64QAM/ High CH



B17 / 10MHz / QPSK/ Low CH



B17 / 10MHz / 16QAM/ Low CH



B17 / 10MHz / 64QAM/ Low CH



B17 / 10MHz / QPSK/ Mid CH



B17 / 10MHz / 16QAM/ Mid CH



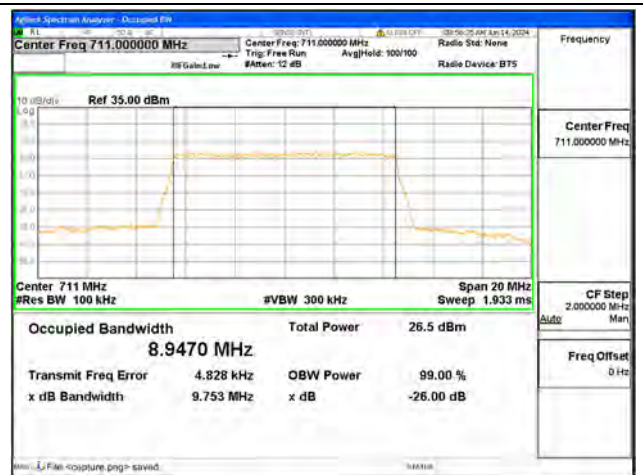
B17 / 10MHz / 64QAM/ Mid CH



B17 / 10MHz / QPSK/ High CH



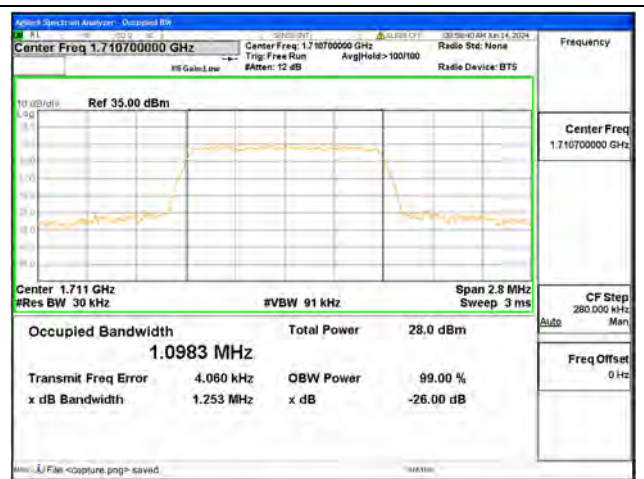
B17 / 10MHz / 16QAM/ High CH



B17 / 10MHz / 64QAM/ High CH



B66 / 1.4MHz / QPSK/ Low CH



B66 / 1.4MHz / 16QAM/ Low CH



B66 / 1.4MHz / 64QAM/ Low CH



B66 / 1.4MHz / QPSK/ Mid CH



B66 / 1.4MHz / 16QAM/ Mid CH



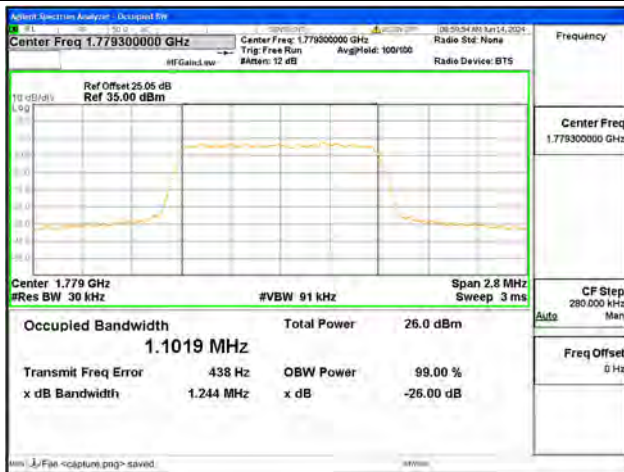
B66 / 1.4MHz / 64QAM/ Mid CH



B66 / 1.4MHz / QPSK/ High CH



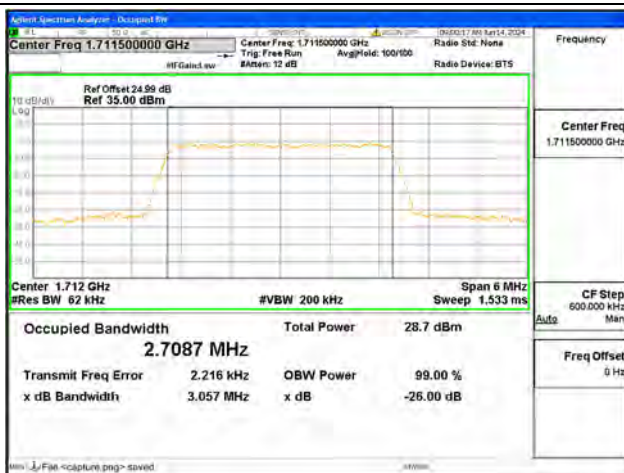
B66 / 1.4MHz / 16QAM/ High CH



B66 / 1.4MHz / 64QAM/ High CH



B66 / 3MHz / QPSK/ Low CH



B66 / 3MHz / 16QAM/ Low CH



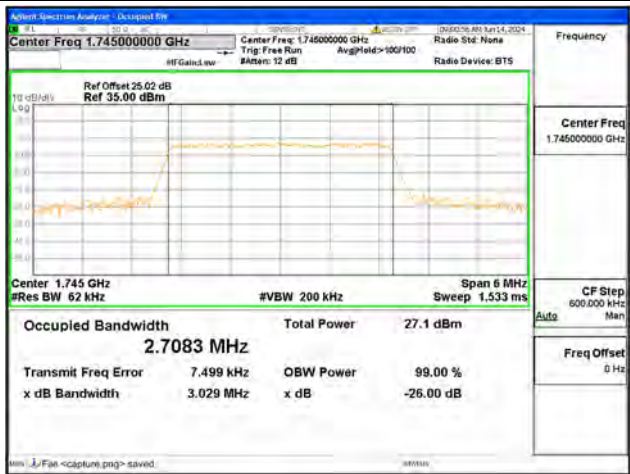
B66 / 3MHz / 64QAM/ Low CH



B66 / 3MHz / QPSK/ Mid CH



B66 / 3MHz / 16QAM/ Mid CH



B66 / 3MHz / 64QAM/ Mid CH



B66 / 3MHz / QPSK/ High CH



B66 / 3MHz / 16QAM/ High CH



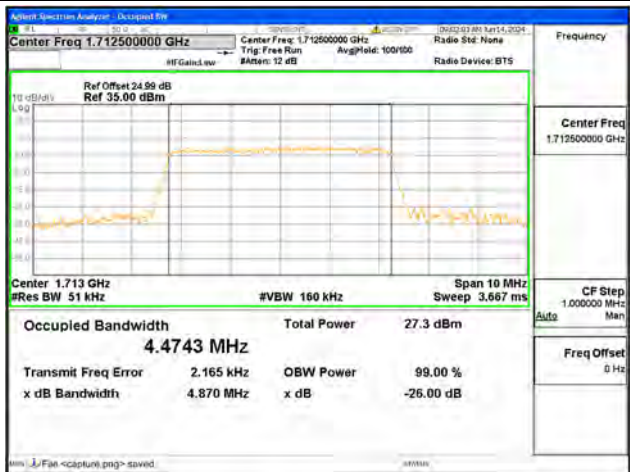
B66 / 3MHz / 64QAM/ High CH



B66 / 5MHz / QPSK/ Low CH



B66 / 5MHz / 16QAM/ Low CH



B66 / 5MHz / 64QAM/ Low CH



B66 / 5MHz / QPSK/ Mid CH



B66 / 5MHz / 16QAM/ Mid CH



B66 / 5MHz / 64QAM/ Mid CH



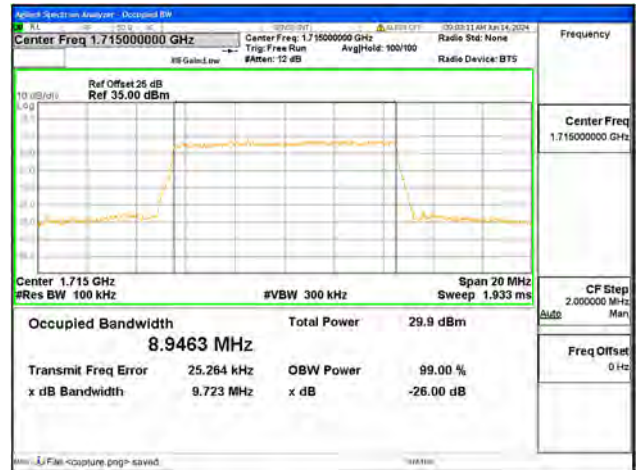
B66 / 5MHz / QPSK/ High CH



B66 / 5MHz / 16QAM/ High CH



B66 / 5MHz / 64QAM/ High CH



B66 / 10MHz / QPSK/ Low CH



B66 / 10MHz / 16QAM/ Low CH



B66 / 10MHz / 64QAM/ Low CH



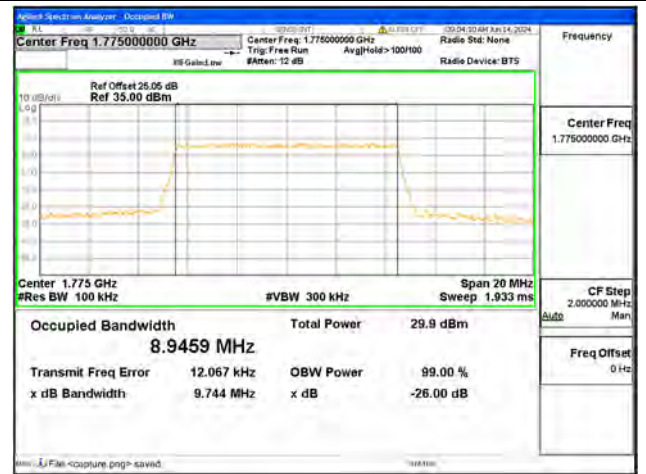
B66 / 10MHz / QPSK/ Mid CH



B66 / 10MHz / 16QAM/ Mid CH



B66 / 10MHz / 64QAM/ Mid CH



B66 / 10MHz / QPSK/ High CH



B66 / 10MHz / 16QAM/ High CH



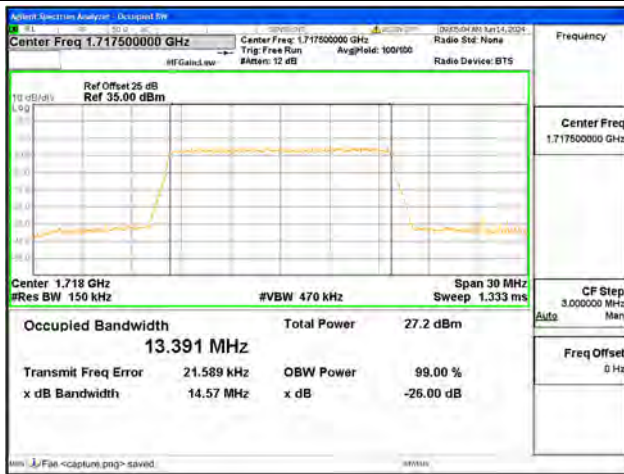
B66 / 10MHz / 64QAM/ High CH



B66 / 15MHz / QPSK/ Low CH



B66 / 15MHz / 16QAM/ Low CH



B66 / 15MHz / 64QAM/ Low CH



B66 / 15MHz / QPSK/ Mid CH



B66 / 15MHz / 16QAM/ Mid CH



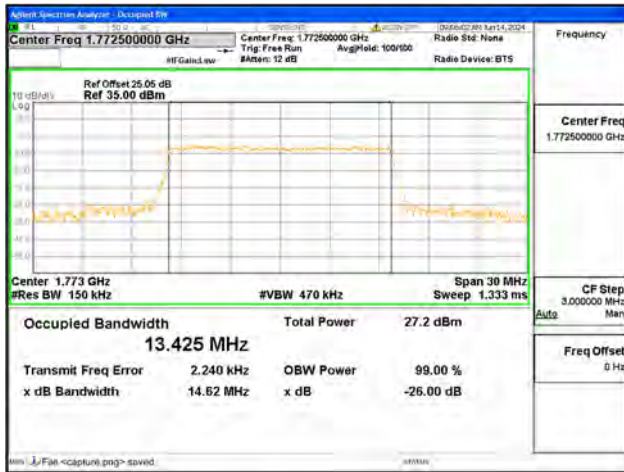
B66 / 15MHz / 64QAM/ Mid CH



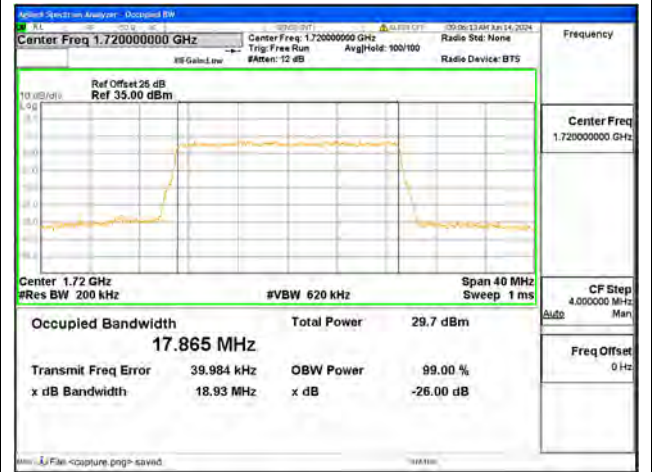
B66 / 15MHz / QPSK/ High CH



B66 / 15MHz / 16QAM/ High CH



B66 / 15MHz / 64QAM/ High CH



B66 / 20MHz / QPSK/ Low CH



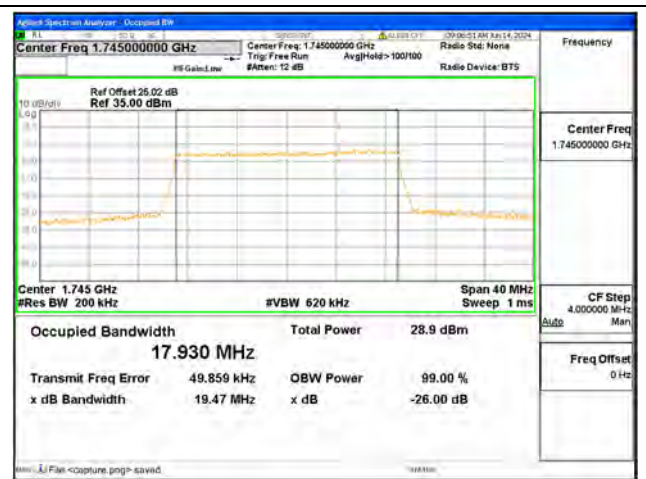
B66 / 20MHz / 16QAM/ Low CH



B66 / 20MHz / 64QAM/ Low CH



B66 / 20MHz / QPSK/ Mid CH



B66 / 20MHz / 16QAM/ Mid CH



B66 / 20MHz / 64QAM/ Mid CH



B66 / 20MHz / QPSK/ High CH



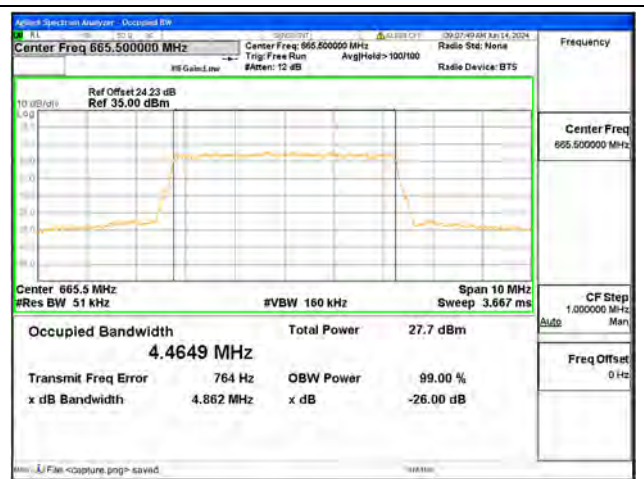
B66 / 20MHz / 16QAM/ High CH



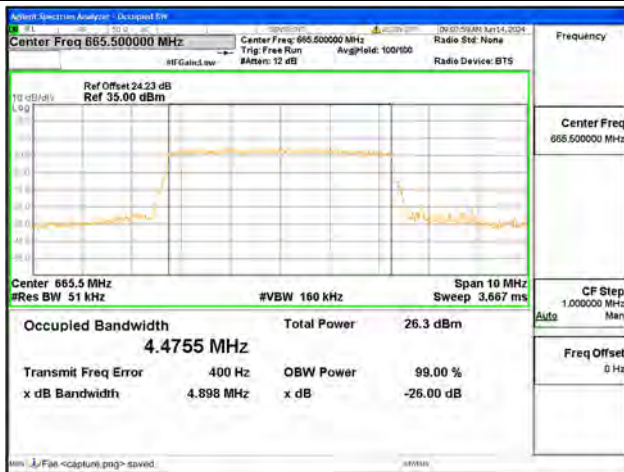
B66 / 20MHz / 64QAM/ High CH



B71 / 5MHz / QPSK/ Low CH



B71 / 5MHz / 16QAM/ Low CH



B71 / 5MHz / 64QAM/ Low CH



B71 / 5MHz / QPSK/ Mid CH



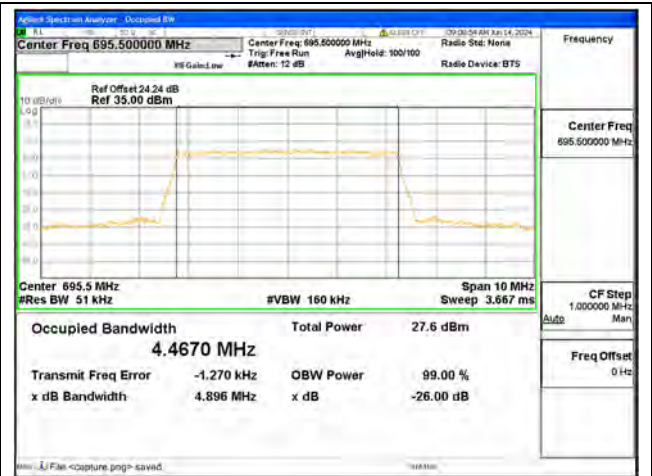
B71 / 5MHz / 16QAM/ Mid CH



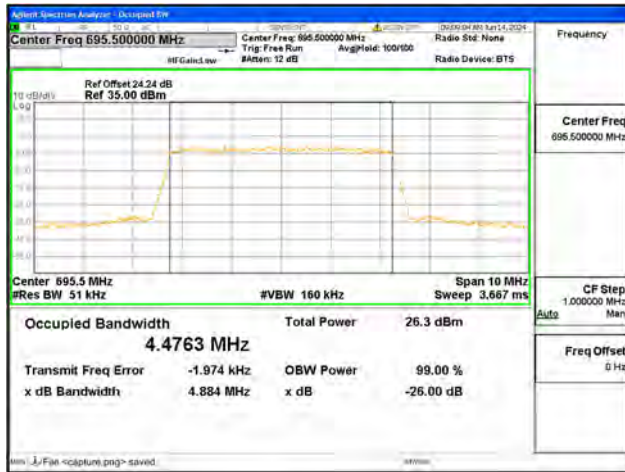
B71 / 5MHz / 64QAM/ Mid CH



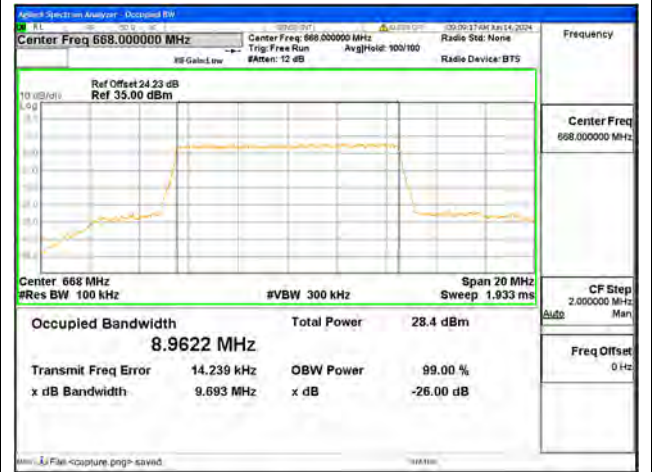
B71 / 5MHz / QPSK/ High CH



B71 / 5MHz / 16QAM/ High CH



B71 / 5MHz / 64QAM/ High CH



B71 / 10MHz / QPSK/ Low CH



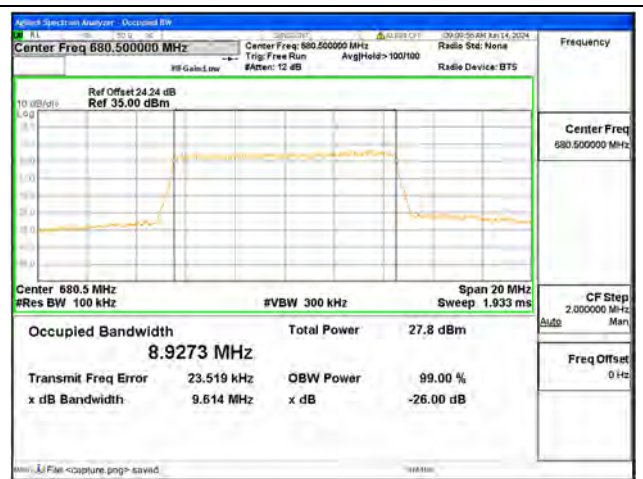
B71 / 10MHz / 16QAM/ Low CH



B71 / 10MHz / 64QAM/ Low CH



B71 / 10MHz / QPSK/ Mid CH



B71 / 10MHz / 16QAM/ Mid CH



B71 / 10MHz / 64QAM/ Mid CH



B71 / 10MHz / QPSK/ High CH



B71 / 10MHz / 16QAM/ High CH



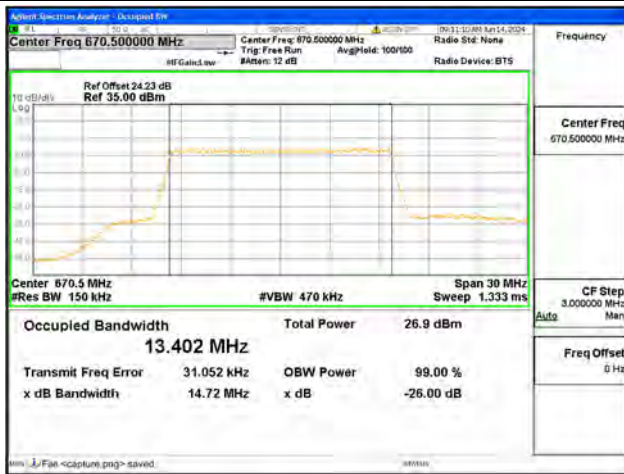
B71 / 10MHz / 64QAM/ High CH



B71 / 15MHz / QPSK/ Low CH



B71 / 15MHz / 16QAM/ Low CH



B71 / 15MHz / 64QAM/ Low CH



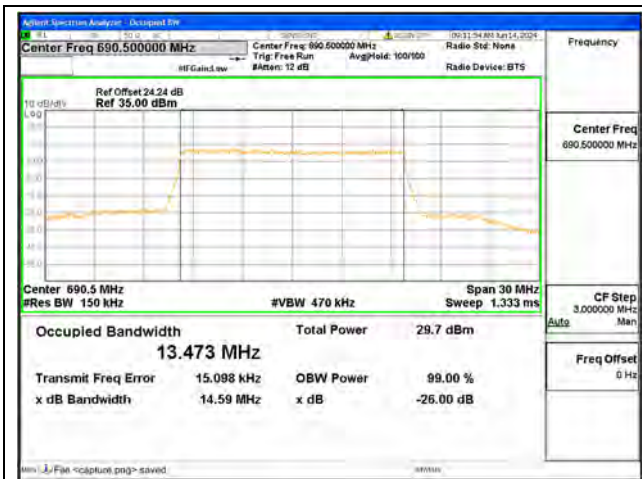
B71 / 15MHz / QPSK/ Mid CH



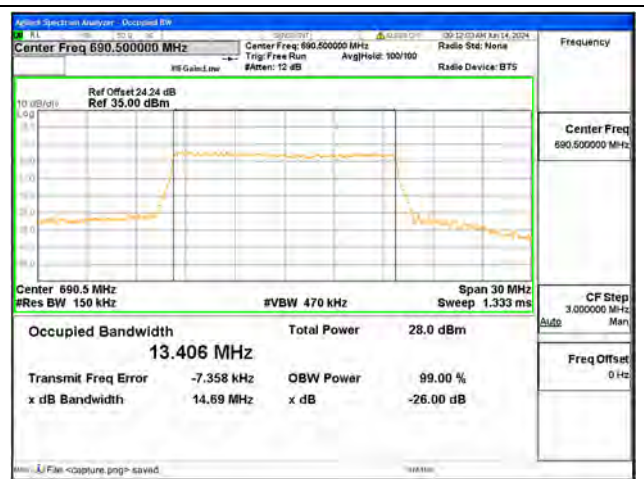
B71 / 15MHz / 16QAM/ Mid CH



B71 / 15MHz / 64QAM/ Mid CH



B71 / 15MHz / QPSK/ High CH



B71 / 15MHz / 16QAM/ High CH



B71 / 15MHz / 64QAM/ High CH



B71 / 20MHz / QPSK/ Low CH



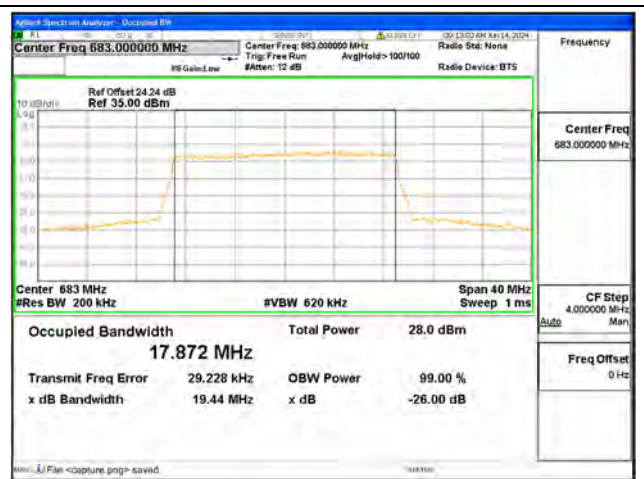
B71 / 20MHz / 16QAM/ Low CH



B71 / 20MHz / 64QAM/ Low CH



B71 / 20MHz / QPSK/ Mid CH



B71 / 20MHz / 16QAM/ Mid CH



B71 / 20MHz / 64QAM/ Mid CH



B71 / 20MHz / QPSK/ High CH



B71 / 20MHz / 16QAM/ High CH



B71 / 20MHz / 64QAM/ High CH

2.3. Frequency Stability

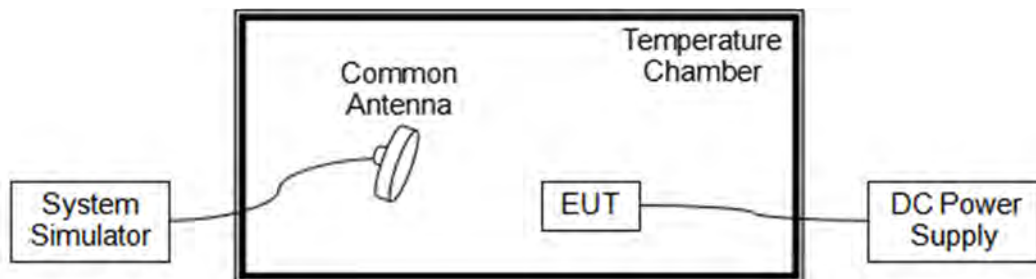
2.3.1. Requirement

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 3.85V, 4.4V and 3.4V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 2, QPSK, Channel 18900, Frequency 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	-23	-0.012	PASS
Normal		-10	-22	-0.012	
Normal		0	-5	-0.003	
Normal		+10	16	0.009	
Normal		+20	-7	-0.004	
Normal		+30	13	0.007	
Normal		+40	15	0.008	
Normal		+50	17	0.009	
Normal		+55	20	0.011	
High	4.40	+20	11	0.006	
BATT.ENDPOINT	3.40	+20	17	0.009	

LTE Band 4, QPSK, Channel 20175, Frequency 1732.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	-23	-0.013	PASS
Normal		-10	-20	-0.012	
Normal		0	17	0.010	
Normal		+10	21	0.012	
Normal		+20	-20	-0.012	
Normal		+30	19	0.011	
Normal		+40	-15	-0.009	
Normal		+50	-5	-0.003	
Normal		+55	18	0.010	
High	4.40	+20	14	0.008	
BATT.ENDPOINT	3.40	+20	-22	-0.013	



LTE Band 5, QPSK, Channel 20525, Frequency 836.5MHz					
Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	16	0.019	PASS
Normal		-10	18	0.022	
Normal		0	17	0.020	
Normal		+10	16	0.019	
Normal		+20	20	0.024	
Normal		+30	11	0.013	
Normal		+40	14	0.017	
Normal		+50	14	0.017	
Normal		+55	-1	-0.001	
High		4.40	+20	18	
BATT.ENDPOINT	3.40	+20	14	0.017	

LTE Band 7, QPSK, Channel 21100, Frequency 2535MHz					
Limit= Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	16	0.006	PASS
Normal		-10	17	0.007	
Normal		0	10	0.004	
Normal		+10	17	0.007	
Normal		+20	20	0.008	
Normal		+30	-22	-0.009	
Normal		+40	-12	-0.005	
Normal		+50	19	0.007	
Normal		+55	9	0.004	
High		4.40	+20	16	
BATT.ENDPOINT	3.40	+20	14	0.006	



LTE Band 12, QPSK, Channel 23095, Frequency 707.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	18	0.025	PASS
Normal		-10	-18	-0.025	
Normal		0	-5	-0.007	
Normal		+10	15	0.021	
Normal		+20	14	0.020	
Normal		+30	18	0.025	
Normal		+40	14	0.020	
Normal		+50	-2	-0.003	
Normal		+55	17	0.024	
High	4.40	+20	-5	-0.007	
BATT.ENDPOINT	3.40	+20	13	0.018	

LTE Band 17, QPSK, Channel 23790, Frequency 710MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	-7	-0.010	PASS
Normal		-10	15	0.021	
Normal		0	20	0.028	
Normal		+10	16	0.023	
Normal		+20	8	0.011	
Normal		+30	18	0.025	
Normal		+40	-21	-0.030	
Normal		+50	15	0.021	
Normal		+55	14	0.020	
High	4.40	+20	8	0.011	
BATT.ENDPOINT	3.40	+20	14	0.020	



LTE Band 66, QPSK, Channel 132322, Frequency 1745MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	20	0.011	PASS
Normal		-10	-16	-0.009	
Normal		0	13	0.007	
Normal		+10	-13	-0.007	
Normal		+20	-11	-0.006	
Normal		+30	18	0.010	
Normal		+40	-9	-0.005	
Normal		+50	20	0.011	
Normal		+55	-6	-0.003	
High	4.40	+20	15	0.009	
BATT.ENDPOINT	3.40	+20	15	0.009	

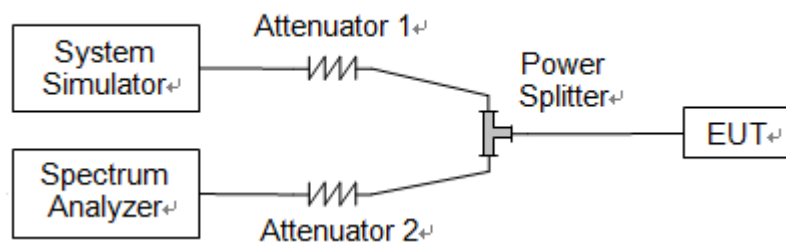
LTE Band 71, 64QAM, Channel 133322, Frequency 683.0MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	15	0.022	PASS
Normal		-10	5	0.007	
Normal		0	14	0.020	
Normal		+10	13	0.019	
Normal		+20	-15	-0.022	
Normal		+30	12	0.018	
Normal		+40	16	0.023	
Normal		+50	-18	-0.026	
Normal		+55	22	0.032	
High	4.40	+20	19	0.028	
BATT.ENDPOINT	3.40	+20	-4	-0.006	

2.4. Peak to Average Ratio

2.4.1. Requirement

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

2.4.2. Test Description



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

2.4.3. Test Procedure

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

2.4.4. Test Result

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



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	Peak to Average Radio(dB)	Verdict
B2	1.4	Low	18607	1850.7	QPSK	5.07	PASS
B2	1.4	Low	18607	1850.7	16QAM	6.16	PASS
B2	1.4	Low	18607	1850.7	64QAM	6.41	PASS
B2	1.4	Mid	18900	1880	QPSK	5.08	PASS
B2	1.4	Mid	18900	1880	16QAM	6.21	PASS
B2	1.4	Mid	18900	1880	64QAM	6.58	PASS
B2	1.4	High	19193	1909.3	QPSK	4.56	PASS
B2	1.4	High	19193	1909.3	16QAM	5.75	PASS
B2	1.4	High	19193	1909.3	64QAM	6.58	PASS
B2	3	Low	18615	1851.5	QPSK	5.07	PASS
B2	3	Low	18615	1851.5	16QAM	6.07	PASS
B2	3	Low	18615	1851.5	64QAM	6.44	PASS
B2	3	Mid	18900	1880	QPSK	5.14	PASS
B2	3	Mid	18900	1880	16QAM	6.18	PASS
B2	3	Mid	18900	1880	64QAM	6.51	PASS
B2	3	High	19185	1908.5	QPSK	4.52	PASS
B2	3	High	19185	1908.5	16QAM	5.54	PASS
B2	3	High	19185	1908.5	64QAM	6.38	PASS
B2	5	Low	18625	1852.5	QPSK	5.46	PASS
B2	5	Low	18625	1852.5	16QAM	6.00	PASS
B2	5	Low	18625	1852.5	64QAM	6.42	PASS
B2	5	Mid	18900	1880	QPSK	5.40	PASS
B2	5	Mid	18900	1880	16QAM	6.02	PASS
B2	5	Mid	18900	1880	64QAM	6.46	PASS
B2	5	High	19175	1907.5	QPSK	4.69	PASS
B2	5	High	19175	1907.5	16QAM	5.51	PASS
B2	5	High	19175	1907.5	64QAM	6.16	PASS
B2	10	Low	18650	1855	QPSK	5.05	PASS
B2	10	Low	18650	1855	16QAM	6.07	PASS
B2	10	Low	18650	1855	64QAM	6.46	PASS
B2	10	Mid	18900	1880	QPSK	5.50	PASS
B2	10	Mid	18900	1880	16QAM	6.14	PASS
B2	10	Mid	18900	1880	64QAM	6.51	PASS
B2	10	High	19150	1905	QPSK	5.00	PASS
B2	10	High	19150	1905	16QAM	5.61	PASS



B2	10	High	19150	1905	64QAM	6.33	PASS
B2	15	Low	18675	1857.5	QPSK	4.95	PASS
B2	15	Low	18675	1857.5	16QAM	5.93	PASS
B2	15	Low	18675	1857.5	64QAM	6.44	PASS
B2	15	Mid	18900	1880	QPSK	5.08	PASS
B2	15	Mid	18900	1880	16QAM	5.98	PASS
B2	15	Mid	18900	1880	64QAM	6.28	PASS
B2	15	High	19125	1902.5	QPSK	4.39	PASS
B2	15	High	19125	1902.5	16QAM	5.40	PASS
B2	15	High	19125	1902.5	64QAM	6.14	PASS
B2	20	Low	18700	1860	QPSK	5.24	PASS
B2	20	Low	18700	1860	16QAM	6.10	PASS
B2	20	Low	18700	1860	64QAM	6.43	PASS
B2	20	Mid	18900	1880	QPSK	5.25	PASS
B2	20	Mid	18900	1880	16QAM	6.12	PASS
B2	20	Mid	18900	1880	64QAM	6.55	PASS
B2	20	High	19100	1900	QPSK	4.73	PASS
B2	20	High	19100	1900	16QAM	5.86	PASS
B2	20	High	19100	1900	64QAM	6.32	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	Peak to Average Radio(dB)	Verdict
B4	1.4	Low	19957	1710.7	QPSK	5.05	PASS
B4	1.4	Low	19957	1710.7	16QAM	6.20	PASS
B4	1.4	Low	19957	1710.7	64QAM	6.58	PASS
B4	1.4	Mid	20175	1732.5	QPSK	5.73	PASS
B4	1.4	Mid	20175	1732.5	16QAM	6.49	PASS
B4	1.4	Mid	20175	1732.5	64QAM	6.70	PASS
B4	1.4	High	20393	1754.3	QPSK	3.90	PASS
B4	1.4	High	20393	1754.3	16QAM	5.17	PASS
B4	1.4	High	20393	1754.3	64QAM	5.89	PASS
B4	3	Low	19965	1711.5	QPSK	5.08	PASS
B4	3	Low	19965	1711.5	16QAM	6.06	PASS
B4	3	Low	19965	1711.5	64QAM	6.50	PASS
B4	3	Mid	20175	1732.5	QPSK	5.62	PASS
B4	3	Mid	20175	1732.5	16QAM	6.51	PASS
B4	3	Mid	20175	1732.5	64QAM	6.62	PASS
B4	3	High	20385	1753.5	QPSK	4.00	PASS
B4	3	High	20385	1753.5	16QAM	5.17	PASS
B4	3	High	20385	1753.5	64QAM	5.85	PASS
B4	5	Low	19975	1712.5	QPSK	5.29	PASS
B4	5	Low	19975	1712.5	16QAM	6.09	PASS
B4	5	Low	19975	1712.5	64QAM	6.43	PASS
B4	5	Mid	20175	1732.5	QPSK	5.65	PASS
B4	5	Mid	20175	1732.5	16QAM	6.35	PASS
B4	5	Mid	20175	1732.5	64QAM	6.58	PASS
B4	5	High	20375	1752.5	QPSK	4.42	PASS
B4	5	High	20375	1752.5	16QAM	5.36	PASS
B4	5	High	20375	1752.5	64QAM	5.93	PASS
B4	10	Low	20000	1715	QPSK	5.52	PASS
B4	10	Low	20000	1715	16QAM	6.21	PASS
B4	10	Low	20000	1715	64QAM	6.53	PASS
B4	10	Mid	20175	1732.5	QPSK	5.70	PASS
B4	10	Mid	20175	1732.5	16QAM	6.40	PASS
B4	10	Mid	20175	1732.5	64QAM	6.59	PASS
B4	10	High	20350	1750	QPSK	4.68	PASS
B4	10	High	20350	1750	16QAM	5.60	PASS



B4	10	High	20350	1750	64QAM	6.15	PASS
B4	15	Low	20025	1717.5	QPSK	5.42	PASS
B4	15	Low	20025	1717.5	16QAM	6.18	PASS
B4	15	Low	20025	1717.5	64QAM	6.56	PASS
B4	15	Mid	20175	1732.5	QPSK	5.57	PASS
B4	15	Mid	20175	1732.5	16QAM	6.30	PASS
B4	15	Mid	20175	1732.5	64QAM	6.60	PASS
B4	15	High	20325	1747.5	QPSK	4.51	PASS
B4	15	High	20325	1747.5	16QAM	5.46	PASS
B4	15	High	20325	1747.5	64QAM	6.09	PASS
B4	20	Low	20050	1720	QPSK	5.50	PASS
B4	20	Low	20050	1720	16QAM	6.33	PASS
B4	20	Low	20050	1720	64QAM	6.57	PASS
B4	20	Mid	20175	1732.5	QPSK	5.57	PASS
B4	20	Mid	20175	1732.5	16QAM	6.38	PASS
B4	20	Mid	20175	1732.5	64QAM	6.55	PASS
B4	20	High	20300	1745	QPSK	4.67	PASS
B4	20	High	20300	1745	16QAM	5.84	PASS
B4	20	High	20300	1745	64QAM	6.28	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	Peak to Average Radio(dB)	Verdict
B66	1.4	Low	131979	1710.7	QPSK	4.95	PASS
B66	1.4	Low	131979	1710.7	16QAM	6.07	PASS
B66	1.4	Low	131979	1710.7	64QAM	6.47	PASS
B66	1.4	Mid	132322	1745	QPSK	4.38	PASS
B66	1.4	Mid	132322	1745	16QAM	5.58	PASS
B66	1.4	Mid	132322	1745	64QAM	6.26	PASS
B66	1.4	High	132665	1779.3	QPSK	5.11	PASS
B66	1.4	High	132665	1779.3	16QAM	6.11	PASS
B66	1.4	High	132665	1779.3	64QAM	6.45	PASS
B66	3	Low	131987	1711.5	QPSK	5.04	PASS
B66	3	Low	131987	1711.5	16QAM	5.98	PASS
B66	3	Low	131987	1711.5	64QAM	6.44	PASS
B66	3	Mid	132322	1745	QPSK	4.44	PASS
B66	3	Mid	132322	1745	16QAM	5.53	PASS
B66	3	Mid	132322	1745	64QAM	6.13	PASS
B66	3	High	132657	1778.5	QPSK	5.04	PASS
B66	3	High	132657	1778.5	16QAM	6.08	PASS
B66	3	High	132657	1778.5	64QAM	6.39	PASS
B66	5	Low	131997	1712.5	QPSK	5.21	PASS
B66	5	Low	131997	1712.5	16QAM	6.01	PASS
B66	5	Low	131997	1712.5	64QAM	6.42	PASS
B66	5	Mid	132322	1745	QPSK	4.79	PASS
B66	5	Mid	132322	1745	16QAM	5.52	PASS
B66	5	Mid	132322	1745	64QAM	6.24	PASS
B66	5	High	132647	1777.5	QPSK	5.25	PASS
B66	5	High	132647	1777.5	16QAM	6.05	PASS
B66	5	High	132647	1777.5	64QAM	6.36	PASS
B66	10	Low	132022	1715	QPSK	5.45	PASS
B66	10	Low	132022	1715	16QAM	6.18	PASS
B66	10	Low	132022	1715	64QAM	6.50	PASS
B66	10	Mid	132322	1745	QPSK	4.95	PASS
B66	10	Mid	132322	1745	16QAM	5.77	PASS
B66	10	Mid	132322	1745	64QAM	6.24	PASS
B66	10	High	132622	1775	QPSK	5.35	PASS
B66	10	High	132622	1775	16QAM	6.11	PASS



B66	10	High	132622	1775	64QAM	6.45	PASS
B66	15	Low	132047	1717.5	QPSK	5.41	PASS
B66	15	Low	132047	1717.5	16QAM	6.17	PASS
B66	15	Low	132047	1717.5	64QAM	6.56	PASS
B66	15	Mid	132322	1745	QPSK	4.64	PASS
B66	15	Mid	132322	1745	16QAM	5.60	PASS
B66	15	Mid	132322	1745	64QAM	6.20	PASS
B66	15	High	132597	1772.5	QPSK	4.97	PASS
B66	15	High	132597	1772.5	16QAM	5.89	PASS
B66	15	High	132597	1772.5	64QAM	6.41	PASS
B66	20	Low	132072	1720	QPSK	5.46	PASS
B66	20	Low	132072	1720	16QAM	6.31	PASS
B66	20	Low	132072	1720	64QAM	6.60	PASS
B66	20	Mid	132322	1745	QPSK	5.18	PASS
B66	20	Mid	132322	1745	16QAM	5.93	PASS
B66	20	Mid	132322	1745	64QAM	6.37	PASS
B66	20	High	132572	1770	QPSK	5.28	PASS
B66	20	High	132572	1770	16QAM	6.12	PASS
B66	20	High	132572	1770	64QAM	6.39	PASS