



REPORT No.: SZ25060041W02

TEST REPORT

APPLICANT : Cloud Mobile Holdings, LLC

PRODUCT NAME : Smart phone

MODEL NAME : MC8C654B

BRAND NAME : Cloud Mobile

FCC ID : 2AY6A-C8PL

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

RECEIPT DATE : 2025-06-09

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Change History		
Version	Date	Reason for change
1.0	2025-07-17	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Cloud Mobile Holdings, LLC
Applicant Address:	1149 S HILL ST H400 LOS ANGELES, CA 90015
Manufacturer:	Cloud Mobile Holdings, LLC
Manufacturer Address:	1149 S HILL ST H400 LOS ANGELES, CA 90015

1.2. Equipment Under Test (EUT) Description

Product Name:	Smart phone	
Sample No.:	1#, 9#	
Hardware Version:	v1.0	
Software Version:	StratusC8PlusV01.03.10	
Modulation Type:	QPSK, 16QAM, 64QAM	
Operation Band:	Band 2 / 4 / 5 / 12 / 13 / 66	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 12	Tx: 699MHz–716MHz
		Rx: 729MHz–746MHz
	LTE Band 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz
	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz–2200MHz
Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 12	1.4MHz, 3 MHz, 5MHz, 10MHz
	LTE Band 13	5MHz, 10MHz



	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	-1.2dBi
	LTE Band 4	-0.7dBi
	LTE Band 5	-3.5dBi
	LTE Band 12	-3.0dBi
	LTE Band 13	-3.3dBi
	LTE Band 66	-0.7dBi
Accessory Information:	Battery	
	Brand Name:	N/A
	Model No.:	456480
	Serial No.:	N/A
	Capacity:	3900mAh
	Rated Voltage:	3.88V
	Charge Limit:	4.45V
	Manufacturer:	Huizhou Highpower Technology Co.,LTD.
	AC Adapter	
	Brand Name:	N/A
	Model No.:	TN-050200U3
	Serial No.:	N/A
	Rated Output:	5.0V $\pm$ 2.0A
	Rated Input:	100-240V $\sim$ 50/60Hz, 0.35A
	Manufacturer:	Dong Guan City GangQi Electronic Co., Ltd.
	USB Cable	
	Model No.:	T365-011B-1
	Manufacturer:	Shenzhen Yihuaxing Electronics Co. Ltd.

Note 1: The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.



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

LTE Band 2	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.177	0.147	0.114	17M9G7D	17M9W7D	17M9W7D
15	0.177	0.145	0.113	13M5G7D	13M4W7D	13M4W7D
10	0.174	0.146	0.112	8M98G7D	8M96W7D	8M96W7D
5	0.175	0.146	0.112	4M49G7D	4M49W7D	4M49W7D
3	0.176	0.146	0.112	2M69G7D	2M70W7D	2M70W7D
1.4	0.177	0.145	0.113	1M10G7D	1M10W7D	1M10W7D
LTE Band 4	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.204	0.167	0.132	17M9G7D	17M9W7D	17M9W7D
15	0.202	0.166	0.129	13M5G7D	13M4W7D	13M4W7D
10	0.203	0.164	0.130	9M00G7D	8M96W7D	8M97W7D
5	0.202	0.165	0.131	4M48G7D	4M49W7D	4M50W7D
3	0.201	0.166	0.130	2M69G7D	2M69W7D	2M70W7D
1.4	0.202	0.165	0.129	1M10G7D	1M10W7D	1M10W7D
LTE Band 5	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.074	0.060	0.048	8M98G7D	8M97W7D	8M96W7D
5	0.073	0.060	0.047	4M48G7D	4M49W7D	4M50W7D
3	0.073	0.059	0.048	2M69G7D	2M69W7D	2M70W7D
1.4	0.073	0.059	0.047	1M10G7D	1M10W7D	1M10W7D
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	0.079	0.063	0.051	9M02G7D	8M98W7D	9M00W7D
5	0.079	0.062	0.050	4M50G7D	4M50W7D	4M51W7D
3	0.079	0.062	0.051	2M70G7D	2M70W7D	2M71W7D
1.4	0.079	0.062	0.051	1M11G7D	1M11W7D	1M11W7D
LTE Band 13	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.077	0.062	0.048	8M98G7D	8M95W7D	8M96W7D
5	0.076	0.062	0.048	4M50G7D	4M50W7D	4M51W7D



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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	0.206	0.167	0.131	17M9G7D	17M9W7D	18M0W7D
15	0.203	0.166	0.130	13M5G7D	13M5W7D	13M4W7D
10	0.204	0.166	0.129	9M01G7D	8M97W7D	8M99W7D
5	0.203	0.167	0.130	4M50G7D	4M50W7D	4M51W7D
3	0.201	0.166	0.131	2M69G7D	2M69W7D	2M70W7D
1.4	0.203	0.166	0.130	1M10G7D	1M10W7D	1M10W7D



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Jun. 30, 2025 Jul. 02, 2025	Zheng Jianhua Liu Huiyan	PASS	No deviation
2.1049	Occupied Bandwidth	Jun. 17&18, 2025	Liu Huiyan	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Jul. 02, 2025	Liu Huiyan	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Jun. 17&18, 2025	Liu Huiyan	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h)	Conducted Spurious Emissions	Jun. 17&18, 2025	Liu Huiyan	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(c)(2)	Band Edge	Jun. 17&18, 2025	Liu Huiyan	PASS	No deviation



27.53(g) 27.53(h)					
2.1053 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h)	Radiated Spurious Emissions	Jun. 25, 2025	Li Hanbin	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: Any additions, deviation, or exclusions from the method shall be noted in the "Remark".

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

1.5. Environmental Conditions

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

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

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

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

2.1.1. Requirement

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

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

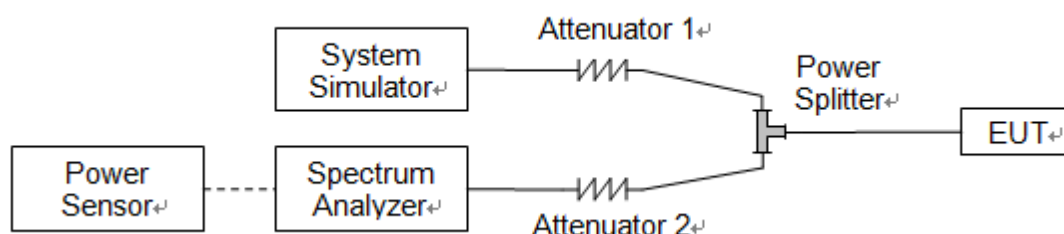
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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

According to FCC section 27.50 (b)(10) for LTE Band 13, Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts E.R.P.

According to FCC section 27.50 (c)(10) for LTE Band 12, 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.

$E.I.R.P. (dBm) = \text{Conducted Output Power (dBm)} + \text{Antenna Gain (dBi)}$

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

**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	23.57	23.59	23.61
20	QPSK	1	49	23.58	23.60	23.68
20	QPSK	1	99	23.56	23.54	23.60
20	QPSK	50	0	22.67	22.70	22.71
20	QPSK	50	24	22.66	22.71	22.75
20	QPSK	50	50	22.61	22.56	22.62
20	QPSK	100	0	22.63	22.56	22.64
20	16QAM	1	0	22.73	22.73	22.80
20	16QAM	1	49	22.82	22.77	22.86
20	16QAM	1	99	22.81	22.80	22.83
20	16QAM	50	0	21.59	21.63	21.69
20	16QAM	50	24	21.63	21.64	21.65
20	16QAM	50	50	21.57	21.55	21.59
20	16QAM	100	0	21.58	21.61	21.62
20	64QAM	1	0	21.70	21.66	21.75
20	64QAM	1	49	21.68	21.70	21.72
20	64QAM	1	99	21.64	21.61	21.71
20	64QAM	50	0	20.60	20.63	20.65
20	64QAM	50	24	20.63	20.65	20.67
20	64QAM	50	50	20.49	20.47	20.55
20	64QAM	100	0	20.58	20.50	20.60



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	23.56	23.58
15	QPSK	1	37	23.49	23.59	23.67
15	QPSK	1	74	23.50	23.45	23.59
15	QPSK	36	0	22.59	22.62	22.67
15	QPSK	36	20	22.65	22.68	22.66
15	QPSK	36	39	22.52	22.52	22.55
15	QPSK	75	0	22.60	22.54	22.61
15	16QAM	1	0	22.68	22.69	22.74
15	16QAM	1	37	22.72	22.72	22.81
15	16QAM	1	74	22.79	22.70	22.81
15	16QAM	36	0	21.53	21.60	21.68
15	16QAM	36	20	21.54	21.54	21.60
15	16QAM	36	39	21.55	21.50	21.57
15	16QAM	75	0	21.52	21.59	21.59
15	64QAM	1	0	21.68	21.57	21.74
15	64QAM	1	37	21.60	21.65	21.64
15	64QAM	1	74	21.55	21.56	21.65
15	64QAM	36	0	20.59	20.54	20.64
15	64QAM	36	20	20.53	20.63	20.66
15	64QAM	36	39	20.48	20.46	20.51
15	64QAM	75	0	20.56	20.45	20.52



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	23.51	23.53	23.58
10	QPSK	1	25	23.56	23.56	23.61
10	QPSK	1	49	23.51	23.49	23.55
10	QPSK	25	0	22.63	22.68	22.70
10	QPSK	25	12	22.61	22.66	22.68
10	QPSK	25	25	22.59	22.53	22.53
10	QPSK	50	0	22.57	22.49	22.58
10	16QAM	1	0	22.64	22.71	22.71
10	16QAM	1	25	22.78	22.75	22.85
10	16QAM	1	49	22.76	22.78	22.73
10	16QAM	25	0	21.50	21.55	21.65
10	16QAM	25	12	21.62	21.57	21.63
10	16QAM	25	25	21.51	21.45	21.53
10	16QAM	50	0	21.48	21.54	21.58
10	64QAM	1	0	21.64	21.62	21.69
10	64QAM	1	25	21.62	21.60	21.66
10	64QAM	1	49	21.58	21.52	21.62
10	64QAM	25	0	20.58	20.53	20.63
10	64QAM	25	12	20.56	20.55	20.65
10	64QAM	25	25	20.44	20.41	20.46
10	64QAM	50	0	20.48	20.41	20.56



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	23.49	23.51	23.58
5	QPSK	1	12	23.52	23.54	23.63
5	QPSK	1	24	23.49	23.45	23.53
5	QPSK	12	0	22.66	22.68	22.69
5	QPSK	12	7	22.59	22.64	22.67
5	QPSK	12	13	22.55	22.48	22.58
5	QPSK	25	0	22.53	22.50	22.61
5	16QAM	1	0	22.67	22.64	22.78
5	16QAM	1	12	22.75	22.73	22.83
5	16QAM	1	24	22.77	22.77	22.82
5	16QAM	12	0	21.57	21.58	21.65
5	16QAM	12	7	21.55	21.61	21.63
5	16QAM	12	13	21.48	21.54	21.55
5	16QAM	25	0	21.48	21.56	21.58
5	64QAM	1	0	21.64	21.62	21.66
5	64QAM	1	12	21.60	21.62	21.71
5	64QAM	1	24	21.54	21.53	21.63
5	64QAM	12	0	20.55	20.62	20.64
5	64QAM	12	7	20.57	20.56	20.61
5	64QAM	12	13	20.39	20.38	20.51
5	64QAM	25	0	20.49	20.49	20.58



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	23.49	23.57	23.55
3	QPSK	1	8	23.51	23.57	23.66
3	QPSK	1	14	23.53	23.44	23.57
3	QPSK	8	0	22.59	22.68	22.68
3	QPSK	8	4	22.57	22.70	22.74
3	QPSK	8	7	22.59	22.48	22.55
3	QPSK	15	0	22.58	22.50	22.59
3	16QAM	1	0	22.70	22.72	22.70
3	16QAM	1	8	22.78	22.68	22.83
3	16QAM	1	14	22.71	22.73	22.80
3	16QAM	8	0	21.57	21.59	21.59
3	16QAM	8	4	21.56	21.59	21.62
3	16QAM	8	7	21.53	21.48	21.55
3	16QAM	15	0	21.52	21.59	21.56
3	64QAM	1	0	21.66	21.56	21.66
3	64QAM	1	8	21.59	21.61	21.62
3	64QAM	1	14	21.60	21.60	21.68
3	64QAM	8	0	20.50	20.59	20.56
3	64QAM	8	4	20.60	20.62	20.60
3	64QAM	8	7	20.48	20.41	20.48
3	64QAM	15	0	20.51	20.40	20.57



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	23.49	23.57	23.57
1.4	QPSK	1	3	23.53	23.58	23.67
1.4	QPSK	1	5	23.46	23.45	23.54
1.4	QPSK	3	0	23.37	23.47	23.43
1.4	QPSK	3	1	23.40	23.43	23.52
1.4	QPSK	3	3	23.36	23.30	23.40
1.4	QPSK	6	0	22.56	22.47	22.57
1.4	16QAM	1	0	22.67	22.67	22.76
1.4	16QAM	1	3	22.81	22.74	22.77
1.4	16QAM	1	5	22.77	22.71	22.82
1.4	16QAM	3	0	22.34	22.34	22.39
1.4	16QAM	3	1	22.33	22.40	22.38
1.4	16QAM	3	3	22.28	22.32	22.30
1.4	16QAM	6	0	21.48	21.53	21.53
1.4	64QAM	1	0	21.63	21.57	21.73
1.4	64QAM	1	3	21.60	21.60	21.67
1.4	64QAM	1	5	21.54	21.57	21.65
1.4	64QAM	3	0	21.39	21.41	21.42
1.4	64QAM	3	1	21.39	21.37	21.46
1.4	64QAM	3	3	21.27	21.20	21.26
1.4	64QAM	6	0	20.56	20.41	20.53



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	23.74	23.76	23.68
20	QPSK	1	49	23.77	23.80	23.76
20	QPSK	1	99	23.59	23.61	23.57
20	QPSK	50	0	22.69	22.78	22.71
20	QPSK	50	24	22.75	22.83	22.79
20	QPSK	50	50	22.79	22.81	22.77
20	QPSK	100	0	22.69	22.78	22.77
20	16QAM	1	0	22.89	22.91	22.89
20	16QAM	1	49	22.90	22.93	22.85
20	16QAM	1	99	22.77	22.80	22.75
20	16QAM	50	0	21.78	21.79	21.70
20	16QAM	50	24	21.80	21.83	21.77
20	16QAM	50	50	21.63	21.73	21.65
20	16QAM	100	0	21.70	21.79	21.75
20	64QAM	1	0	21.80	21.86	21.78
20	64QAM	1	49	21.85	21.89	21.83
20	64QAM	1	99	21.59	21.69	21.61
20	64QAM	50	0	20.73	20.79	20.72
20	64QAM	50	24	20.73	20.82	20.73
20	64QAM	50	50	20.69	20.79	20.70
20	64QAM	100	0	20.73	20.78	20.76



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	23.70	23.75	23.59
15	QPSK	1	37	23.75	23.75	23.75
15	QPSK	1	74	23.49	23.57	23.49
15	QPSK	36	0	22.75	22.80	22.72
15	QPSK	36	20	22.67	22.76	22.70
15	QPSK	36	39	22.78	22.75	22.67
15	QPSK	75	0	22.61	22.76	22.76
15	16QAM	1	0	22.86	22.86	22.86
15	16QAM	1	37	22.88	22.91	22.79
15	16QAM	1	74	22.74	22.77	22.69
15	16QAM	36	0	21.71	21.77	21.66
15	16QAM	36	20	21.70	21.73	21.68
15	16QAM	36	39	21.59	21.71	21.62
15	16QAM	75	0	21.61	21.77	21.66
15	64QAM	1	0	21.76	21.80	21.74
15	64QAM	1	37	21.78	21.80	21.79
15	64QAM	1	74	21.58	21.60	21.58
15	64QAM	36	0	20.72	20.73	20.69
15	64QAM	36	20	20.66	20.72	20.63
15	64QAM	36	39	20.65	20.73	20.64
15	64QAM	75	0	20.70	20.73	20.68



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	23.67	23.69	23.66
10	QPSK	1	25	23.76	23.78	23.74
10	QPSK	1	49	23.57	23.60	23.53
10	QPSK	25	0	22.69	22.85	22.75
10	QPSK	25	12	22.69	22.75	22.76
10	QPSK	25	25	22.71	22.71	22.74
10	QPSK	50	0	22.67	22.77	22.72
10	16QAM	1	0	22.82	22.85	22.81
10	16QAM	1	25	22.84	22.86	22.84
10	16QAM	1	49	22.74	22.74	22.70
10	16QAM	25	0	21.68	21.69	21.64
10	16QAM	25	12	21.77	21.81	21.76
10	16QAM	25	25	21.54	21.67	21.55
10	16QAM	50	0	21.67	21.70	21.70
10	64QAM	1	0	21.73	21.79	21.72
10	64QAM	1	25	21.78	21.85	21.78
10	64QAM	1	49	21.52	21.64	21.59
10	64QAM	25	0	20.63	20.72	20.66
10	64QAM	25	12	20.70	20.72	20.64
10	64QAM	25	25	20.65	20.77	20.69
10	64QAM	50	0	20.72	20.70	20.75



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	23.66	23.68	23.67
5	QPSK	1	12	23.72	23.75	23.68
5	QPSK	1	24	23.52	23.57	23.48
5	QPSK	12	0	22.72	22.79	22.72
5	QPSK	12	7	22.73	22.81	22.70
5	QPSK	12	13	22.78	22.72	22.75
5	QPSK	25	0	22.64	22.71	22.70
5	16QAM	1	0	22.82	22.85	22.81
5	16QAM	1	12	22.87	22.84	22.75
5	16QAM	1	24	22.71	22.73	22.71
5	16QAM	12	0	21.70	21.74	21.67
5	16QAM	12	7	21.78	21.81	21.74
5	16QAM	12	13	21.55	21.66	21.57
5	16QAM	25	0	21.63	21.76	21.69
5	64QAM	1	0	21.78	21.80	21.70
5	64QAM	1	12	21.80	21.86	21.81
5	64QAM	1	24	21.54	21.64	21.60
5	64QAM	12	0	20.64	20.71	20.71
5	64QAM	12	7	20.66	20.77	20.68
5	64QAM	12	13	20.67	20.77	20.68
5	64QAM	25	0	20.72	20.70	20.72



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	23.65	23.66	23.65
3	QPSK	1	8	23.67	23.74	23.74
3	QPSK	1	14	23.50	23.58	23.49
3	QPSK	8	0	22.71	22.81	22.80
3	QPSK	8	4	22.73	22.75	22.74
3	QPSK	8	7	22.71	22.71	22.73
3	QPSK	15	0	22.65	22.77	22.72
3	16QAM	1	0	22.86	22.83	22.80
3	16QAM	1	8	22.89	22.91	22.81
3	16QAM	1	14	22.69	22.70	22.74
3	16QAM	8	0	21.72	21.73	21.66
3	16QAM	8	4	21.71	21.81	21.68
3	16QAM	8	7	21.58	21.68	21.56
3	16QAM	15	0	21.66	21.70	21.73
3	64QAM	1	0	21.71	21.80	21.68
3	64QAM	1	8	21.83	21.83	21.78
3	64QAM	1	14	21.51	21.62	21.53
3	64QAM	8	0	20.71	20.77	20.71
3	64QAM	8	4	20.63	20.81	20.70
3	64QAM	8	7	20.66	20.71	20.62
3	64QAM	15	0	20.72	20.77	20.66



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	23.70	23.67	23.65
1.4	QPSK	1	3	23.71	23.75	23.66
1.4	QPSK	1	5	23.57	23.59	23.56
1.4	QPSK	3	0	23.60	23.66	23.56
1.4	QPSK	3	1	23.58	23.65	23.54
1.4	QPSK	3	3	23.62	23.65	23.55
1.4	QPSK	6	0	22.59	22.72	22.69
1.4	16QAM	1	0	22.86	22.87	22.87
1.4	16QAM	1	3	22.82	22.88	22.79
1.4	16QAM	1	5	22.68	22.76	22.71
1.4	16QAM	3	0	22.53	22.57	22.49
1.4	16QAM	3	1	22.57	22.64	22.52
1.4	16QAM	3	3	22.43	22.50	22.45
1.4	16QAM	6	0	21.66	21.69	21.68
1.4	64QAM	1	0	21.73	21.77	21.73
1.4	64QAM	1	3	21.82	21.79	21.80
1.4	64QAM	1	5	21.58	21.65	21.53
1.4	64QAM	3	0	21.53	21.63	21.56
1.4	64QAM	3	1	21.51	21.63	21.56
1.4	64QAM	3	3	21.48	21.55	21.47
1.4	64QAM	6	0	20.65	20.77	20.68



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	24.23	24.27	24.24
10	QPSK	1	25	24.29	24.35	24.31
10	QPSK	1	49	24.13	24.21	24.20
10	QPSK	25	0	23.27	23.37	23.34
10	QPSK	25	12	23.35	23.39	23.35
10	QPSK	25	25	23.28	23.38	23.37
10	QPSK	50	0	23.23	23.32	23.31
10	16QAM	1	0	23.37	23.42	23.34
10	16QAM	1	25	23.33	23.40	23.33
10	16QAM	1	49	23.37	23.39	23.30
10	16QAM	25	0	22.36	22.38	22.28
10	16QAM	25	12	22.28	22.35	22.26
10	16QAM	25	25	22.26	22.33	22.28
10	16QAM	50	0	22.33	22.35	22.25
10	64QAM	1	0	22.38	22.44	22.34
10	64QAM	1	25	22.36	22.41	22.36
10	64QAM	1	49	22.37	22.39	22.34
10	64QAM	25	0	21.30	21.33	21.24
10	64QAM	25	12	21.26	21.28	21.21
10	64QAM	25	25	21.25	21.30	21.21
10	64QAM	50	0	21.25	21.29	21.21



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	24.17	24.18	24.19
5	QPSK	1	12	24.24	24.30	24.27
5	QPSK	1	24	24.03	24.20	24.14
5	QPSK	12	0	23.26	23.35	23.31
5	QPSK	12	7	23.29	23.31	23.29
5	QPSK	12	13	23.26	23.37	23.30
5	QPSK	25	0	23.19	23.22	23.24
5	16QAM	1	0	23.30	23.41	23.28
5	16QAM	1	12	23.26	23.37	23.25
5	16QAM	1	24	23.30	23.37	23.26
5	16QAM	12	0	22.33	22.28	22.18
5	16QAM	12	7	22.24	22.25	22.23
5	16QAM	12	13	22.25	22.26	22.24
5	16QAM	25	0	22.23	22.29	22.23
5	64QAM	1	0	22.37	22.38	22.25
5	64QAM	1	12	22.29	22.39	22.31
5	64QAM	1	24	22.28	22.34	22.27
5	64QAM	12	0	21.29	21.30	21.15
5	64QAM	12	7	21.24	21.18	21.16
5	64QAM	12	13	21.17	21.21	21.20
5	64QAM	25	0	21.20	21.26	21.14



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	24.21	24.17	24.19
3	QPSK	1	8	24.24	24.30	24.21
3	QPSK	1	14	24.08	24.17	24.11
3	QPSK	8	0	23.24	23.31	23.33
3	QPSK	8	4	23.30	23.36	23.30
3	QPSK	8	7	23.23	23.31	23.29
3	QPSK	15	0	23.20	23.29	23.26
3	16QAM	1	0	23.29	23.39	23.29
3	16QAM	1	8	23.28	23.31	23.29
3	16QAM	1	14	23.27	23.38	23.27
3	16QAM	8	0	22.32	22.28	22.26
3	16QAM	8	4	22.18	22.26	22.19
3	16QAM	8	7	22.25	22.28	22.24
3	16QAM	15	0	22.32	22.30	22.22
3	64QAM	1	0	22.37	22.42	22.27
3	64QAM	1	8	22.33	22.32	22.31
3	64QAM	1	14	22.30	22.36	22.33
3	64QAM	8	0	21.25	21.26	21.22
3	64QAM	8	4	21.17	21.23	21.19
3	64QAM	8	7	21.21	21.27	21.19
3	64QAM	15	0	21.17	21.23	21.16



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	24.22	24.25	24.18
1.4	QPSK	1	3	24.19	24.26	24.28
1.4	QPSK	1	5	24.06	24.14	24.17
1.4	QPSK	3	0	24.06	24.11	24.07
1.4	QPSK	3	1	24.11	24.18	24.07
1.4	QPSK	3	3	24.00	24.14	24.13
1.4	QPSK	6	0	23.17	23.25	23.25
1.4	16QAM	1	0	23.33	23.36	23.29
1.4	16QAM	1	3	23.26	23.32	23.30
1.4	16QAM	1	5	23.34	23.34	23.21
1.4	16QAM	3	0	23.06	23.10	22.98
1.4	16QAM	3	1	22.99	23.05	22.96
1.4	16QAM	3	3	22.98	23.03	22.99
1.4	16QAM	6	0	22.26	22.30	22.21
1.4	64QAM	1	0	22.32	22.34	22.33
1.4	64QAM	1	3	22.35	22.35	22.35
1.4	64QAM	1	5	22.30	22.37	22.27
1.4	64QAM	3	0	22.05	22.06	21.97
1.4	64QAM	3	1	21.97	22.00	21.99
1.4	64QAM	3	3	21.96	22.07	22.00
1.4	64QAM	6	0	21.21	21.26	21.20



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	24.11	24.13	24.09
10	QPSK	1	25	24.10	24.15	24.07
10	QPSK	1	49	24.07	24.08	24.04
10	QPSK	25	0	23.11	23.14	23.07
10	QPSK	25	12	23.12	23.16	23.06
10	QPSK	25	25	23.09	23.12	23.04
10	QPSK	50	0	23.13	23.15	23.11
10	16QAM	1	0	23.01	23.11	23.01
10	16QAM	1	25	23.05	23.14	23.08
10	16QAM	1	49	23.07	23.12	23.02
10	16QAM	25	0	22.11	22.14	22.05
10	16QAM	25	12	22.18	22.19	22.17
10	16QAM	25	25	22.08	22.16	22.13
10	16QAM	50	0	22.08	22.15	22.11
10	64QAM	1	0	22.10	22.20	22.12
10	64QAM	1	25	22.13	22.18	22.15
10	64QAM	1	49	22.17	22.26	22.21
10	64QAM	25	0	21.23	21.25	21.23
10	64QAM	25	12	21.22	21.28	21.27
10	64QAM	25	25	21.14	21.23	21.20
10	64QAM	50	0	21.17	21.27	21.25



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	24.03	24.10	24.05
5	QPSK	1	12	24.04	24.13	24.02
5	QPSK	1	24	24.00	24.07	24.00
5	QPSK	12	0	23.07	23.06	22.99
5	QPSK	12	7	23.05	23.14	23.03
5	QPSK	12	13	23.07	23.11	22.99
5	QPSK	25	0	23.03	23.11	23.08
5	16QAM	1	0	22.95	23.04	22.96
5	16QAM	1	12	22.95	23.08	23.00
5	16QAM	1	24	22.98	23.02	23.00
5	16QAM	12	0	22.09	22.12	21.99
5	16QAM	12	7	22.09	22.15	22.10
5	16QAM	12	13	21.98	22.10	22.07
5	16QAM	25	0	22.01	22.06	22.05
5	64QAM	1	0	22.07	22.14	22.06
5	64QAM	1	12	22.03	22.12	22.10
5	64QAM	1	24	22.10	22.18	22.15
5	64QAM	12	0	21.21	21.15	21.16
5	64QAM	12	7	21.14	21.26	21.26
5	64QAM	12	13	21.09	21.14	21.11
5	64QAM	25	0	21.12	21.26	21.18



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	24.10	24.06	24.00
3	QPSK	1	8	24.09	24.08	24.01
3	QPSK	1	14	24.00	24.02	23.94
3	QPSK	8	0	23.01	23.10	23.01
3	QPSK	8	4	23.09	23.11	23.00
3	QPSK	8	7	23.05	23.08	22.95
3	QPSK	15	0	23.09	23.09	23.06
3	16QAM	1	0	23.00	23.08	22.92
3	16QAM	1	8	22.95	23.10	22.98
3	16QAM	1	14	23.05	23.07	22.97
3	16QAM	8	0	22.01	22.13	21.99
3	16QAM	8	4	22.12	22.10	22.16
3	16QAM	8	7	22.07	22.10	22.06
3	16QAM	15	0	22.00	22.13	22.10
3	64QAM	1	0	22.09	22.14	22.05
3	64QAM	1	8	22.12	22.11	22.08
3	64QAM	1	14	22.13	22.23	22.12
3	64QAM	8	0	21.19	21.17	21.19
3	64QAM	8	4	21.19	21.20	21.17
3	64QAM	8	7	21.08	21.19	21.17
3	64QAM	15	0	21.08	21.23	21.22



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	24.09	24.11	24.00
1.4	QPSK	1	3	24.07	24.11	24.00
1.4	QPSK	1	5	24.03	24.05	23.96
1.4	QPSK	3	0	23.87	23.86	23.86
1.4	QPSK	3	1	23.88	23.94	23.84
1.4	QPSK	3	3	23.84	23.87	23.77
1.4	QPSK	6	0	23.03	23.10	23.04
1.4	16QAM	1	0	22.98	23.02	23.00
1.4	16QAM	1	3	22.99	23.06	23.06
1.4	16QAM	1	5	23.03	23.08	22.99
1.4	16QAM	3	0	22.82	22.86	22.84
1.4	16QAM	3	1	22.93	22.95	22.92
1.4	16QAM	3	3	22.85	22.93	22.87
1.4	16QAM	6	0	21.98	22.05	22.10
1.4	64QAM	1	0	22.08	22.14	22.03
1.4	64QAM	1	3	22.08	22.16	22.10
1.4	64QAM	1	5	22.15	22.23	22.14
1.4	64QAM	3	0	21.95	21.95	21.93
1.4	64QAM	3	1	22.00	21.98	22.04
1.4	64QAM	3	3	21.85	21.98	21.92
1.4	64QAM	6	0	21.08	21.25	21.18



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	23230	/
Frequency (MHz)				/	782	/
10	QPSK	1	0	/	24.30	/
10	QPSK	1	25	/	24.28	/
10	QPSK	1	49	/	24.18	/
10	QPSK	25	0	/	23.32	/
10	QPSK	25	12	/	23.33	/
10	QPSK	25	25	/	23.30	/
10	QPSK	50	0	/	23.34	/
10	16QAM	1	0	/	23.32	/
10	16QAM	1	25	/	23.39	/
10	16QAM	1	49	/	23.35	/
10	16QAM	25	0	/	22.26	/
10	16QAM	25	12	/	22.30	/
10	16QAM	25	25	/	22.28	/
10	16QAM	50	0	/	22.27	/
10	64QAM	1	0	/	22.22	/
10	64QAM	1	25	/	22.30	/
10	64QAM	1	49	/	22.26	/
10	64QAM	25	0	/	21.23	/
10	64QAM	25	12	/	21.32	/
10	64QAM	25	25	/	21.26	/
10	64QAM	50	0	/	21.28	/



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23205	23230	23255
Frequency (MHz)				779.5	782	784.5
5	QPSK	1	0	24.23	24.24	24.20
5	QPSK	1	12	24.18	24.23	24.26
5	QPSK	1	24	24.08	24.08	24.12
5	QPSK	12	0	23.29	23.23	23.24
5	QPSK	12	7	23.28	23.26	23.28
5	QPSK	12	13	23.22	23.29	23.27
5	QPSK	25	0	23.27	23.26	23.30
5	16QAM	1	0	23.28	23.27	23.25
5	16QAM	1	12	23.29	23.29	23.36
5	16QAM	1	24	23.33	23.30	23.27
5	16QAM	12	0	22.19	22.20	22.16
5	16QAM	12	7	22.23	22.22	22.26
5	16QAM	12	13	22.26	22.27	22.24
5	16QAM	25	0	22.18	22.20	22.18
5	64QAM	1	0	22.17	22.15	22.20
5	64QAM	1	12	22.22	22.21	22.25
5	64QAM	1	24	22.20	22.17	22.17
5	64QAM	12	0	21.16	21.14	21.18
5	64QAM	12	7	21.28	21.24	21.24
5	64QAM	12	13	21.22	21.21	21.25
5	64QAM	25	0	21.25	21.20	21.26



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	23.77	23.65	23.60
20	QPSK	1	49	23.83	23.80	23.77
20	QPSK	1	99	23.74	23.65	23.69
20	QPSK	50	0	22.84	22.77	22.75
20	QPSK	50	24	22.87	22.83	22.81
20	QPSK	50	50	22.82	22.78	22.72
20	QPSK	100	0	22.85	22.77	22.81
20	16QAM	1	0	22.88	22.83	22.80
20	16QAM	1	49	22.93	22.92	22.91
20	16QAM	1	99	22.85	22.82	22.78
20	16QAM	50	0	21.80	21.77	21.75
20	16QAM	50	24	21.84	21.82	21.74
20	16QAM	50	50	21.79	21.69	21.75
20	16QAM	100	0	21.81	21.76	21.79
20	64QAM	1	0	21.83	21.74	21.79
20	64QAM	1	49	21.88	21.87	21.84
20	64QAM	1	99	21.80	21.79	21.79
20	64QAM	50	0	20.83	20.74	20.77
20	64QAM	50	24	20.86	20.82	20.77
20	64QAM	50	50	20.81	20.78	20.73
20	64QAM	100	0	20.82	20.73	20.72



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	23.68	23.63	23.55
15	QPSK	1	37	23.77	23.75	23.71
15	QPSK	1	74	23.70	23.59	23.66
15	QPSK	36	0	22.82	22.70	22.66
15	QPSK	36	20	22.78	22.76	22.79
15	QPSK	36	39	22.77	22.70	22.64
15	QPSK	75	0	22.81	22.68	22.76
15	16QAM	1	0	22.80	22.81	22.74
15	16QAM	1	37	22.89	22.91	22.81
15	16QAM	1	74	22.82	22.72	22.77
15	16QAM	36	0	21.71	21.68	21.69
15	16QAM	36	20	21.80	21.79	21.73
15	16QAM	36	39	21.74	21.67	21.72
15	16QAM	75	0	21.75	21.74	21.72
15	64QAM	1	0	21.80	21.70	21.73
15	64QAM	1	37	21.83	21.82	21.77
15	64QAM	1	74	21.77	21.78	21.74
15	64QAM	36	0	20.80	20.70	20.72
15	64QAM	36	20	20.82	20.76	20.75
15	64QAM	36	39	20.80	20.75	20.71
15	64QAM	75	0	20.77	20.71	20.62



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	23.76	23.56	23.50
10	QPSK	1	25	23.76	23.79	23.71
10	QPSK	1	49	23.69	23.58	23.66
10	QPSK	25	0	22.82	22.72	22.74
10	QPSK	25	12	22.83	22.77	22.79
10	QPSK	25	25	22.78	22.77	22.64
10	QPSK	50	0	22.79	22.75	22.73
10	16QAM	1	0	22.78	22.81	22.71
10	16QAM	1	25	22.88	22.90	22.89
10	16QAM	1	49	22.81	22.80	22.75
10	16QAM	25	0	21.76	21.74	21.66
10	16QAM	25	12	21.83	21.79	21.64
10	16QAM	25	25	21.72	21.64	21.70
10	16QAM	50	0	21.77	21.75	21.71
10	64QAM	1	0	21.74	21.71	21.73
10	64QAM	1	25	21.81	21.80	21.81
10	64QAM	1	49	21.71	21.75	21.69
10	64QAM	25	0	20.73	20.67	20.74
10	64QAM	25	12	20.76	20.78	20.71
10	64QAM	25	25	20.77	20.71	20.64
10	64QAM	50	0	20.74	20.65	20.68



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	23.74	23.64	23.59
5	QPSK	1	12	23.73	23.77	23.74
5	QPSK	1	24	23.68	23.59	23.66
5	QPSK	12	0	22.75	22.76	22.67
5	QPSK	12	7	22.79	22.79	22.73
5	QPSK	12	13	22.79	22.76	22.62
5	QPSK	25	0	22.76	22.68	22.73
5	16QAM	1	0	22.86	22.82	22.71
5	16QAM	1	12	22.92	22.85	22.88
5	16QAM	1	24	22.80	22.81	22.75
5	16QAM	12	0	21.79	21.75	21.69
5	16QAM	12	7	21.81	21.81	21.64
5	16QAM	12	13	21.77	21.59	21.67
5	16QAM	25	0	21.71	21.71	21.75
5	64QAM	1	0	21.74	21.71	21.78
5	64QAM	1	12	21.81	21.85	21.83
5	64QAM	1	24	21.73	21.73	21.69
5	64QAM	12	0	20.80	20.68	20.75
5	64QAM	12	7	20.81	20.77	20.74
5	64QAM	12	13	20.74	20.76	20.64
5	64QAM	25	0	20.77	20.64	20.70



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	23.72	23.60	23.56
3	QPSK	1	8	23.74	23.70	23.69
3	QPSK	1	14	23.69	23.63	23.62
3	QPSK	8	0	22.78	22.68	22.72
3	QPSK	8	4	22.80	22.82	22.77
3	QPSK	8	7	22.75	22.72	22.63
3	QPSK	15	0	22.82	22.69	22.77
3	16QAM	1	0	22.87	22.74	22.75
3	16QAM	1	8	22.89	22.85	22.89
3	16QAM	1	14	22.84	22.76	22.72
3	16QAM	8	0	21.70	21.74	21.74
3	16QAM	8	4	21.82	21.75	21.72
3	16QAM	8	7	21.74	21.68	21.73
3	16QAM	15	0	21.80	21.70	21.78
3	64QAM	1	0	21.73	21.66	21.70
3	64QAM	1	8	21.78	21.86	21.78
3	64QAM	1	14	21.72	21.75	21.78
3	64QAM	8	0	20.79	20.65	20.72
3	64QAM	8	4	20.78	20.79	20.76
3	64QAM	8	7	20.75	20.71	20.64
3	64QAM	15	0	20.75	20.63	20.63



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	23.75	23.63	23.59
1.4	QPSK	1	3	23.78	23.78	23.71
1.4	QPSK	1	5	23.71	23.63	23.66
1.4	QPSK	3	0	23.56	23.53	23.45
1.4	QPSK	3	1	23.64	23.59	23.56
1.4	QPSK	3	3	23.58	23.55	23.43
1.4	QPSK	6	0	22.79	22.75	22.73
1.4	16QAM	1	0	22.84	22.77	22.71
1.4	16QAM	1	3	22.85	22.89	22.88
1.4	16QAM	1	5	22.84	22.76	22.74
1.4	16QAM	3	0	22.57	22.55	22.45
1.4	16QAM	3	1	22.59	22.53	22.48
1.4	16QAM	3	3	22.58	22.42	22.54
1.4	16QAM	6	0	21.74	21.66	21.73
1.4	64QAM	1	0	21.76	21.71	21.75
1.4	64QAM	1	3	21.84	21.81	21.74
1.4	64QAM	1	5	21.76	21.76	21.69
1.4	64QAM	3	0	21.60	21.52	21.48
1.4	64QAM	3	1	21.61	21.54	21.48
1.4	64QAM	3	3	21.51	21.52	21.49
1.4	64QAM	6	0	20.78	20.69	20.62

**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	22.37	0.173	22.39	0.173	22.41	0.174
20	QPSK	1	49	22.38	0.173	22.40	0.174	22.48	0.177
20	QPSK	1	99	22.36	0.172	22.34	0.171	22.40	0.174
20	QPSK	50	0	21.47	0.140	21.50	0.141	21.51	0.142
20	QPSK	50	24	21.46	0.140	21.51	0.142	21.55	0.143
20	QPSK	50	50	21.41	0.138	21.36	0.137	21.42	0.139
20	QPSK	100	0	21.43	0.139	21.36	0.137	21.44	0.139
20	16QAM	1	0	21.53	0.142	21.53	0.142	21.60	0.145
20	16QAM	1	49	21.62	0.145	21.57	0.144	21.66	0.147
20	16QAM	1	99	21.61	0.145	21.60	0.145	21.63	0.146
20	16QAM	50	0	20.39	0.109	20.43	0.110	20.49	0.112
20	16QAM	50	24	20.43	0.110	20.44	0.111	20.45	0.111
20	16QAM	50	50	20.37	0.109	20.35	0.108	20.39	0.109
20	16QAM	100	0	20.38	0.109	20.41	0.110	20.42	0.110
20	64QAM	1	0	20.50	0.112	20.46	0.111	20.55	0.114
20	64QAM	1	49	20.48	0.112	20.50	0.112	20.52	0.113
20	64QAM	1	99	20.44	0.111	20.41	0.110	20.51	0.112
20	64QAM	50	0	19.40	0.087	19.43	0.088	19.45	0.088
20	64QAM	50	24	19.43	0.088	19.45	0.088	19.47	0.089
20	64QAM	50	50	19.29	0.085	19.27	0.085	19.35	0.086
20	64QAM	100	0	19.38	0.087	19.30	0.085	19.40	0.087



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	22.36	0.172	22.38	0.173
15	QPSK	1	37	22.29	0.169	22.39	0.173	22.47	0.177
15	QPSK	1	74	22.30	0.170	22.25	0.168	22.39	0.173
15	QPSK	36	0	21.39	0.138	21.42	0.139	21.47	0.140
15	QPSK	36	20	21.45	0.140	21.48	0.141	21.46	0.140
15	QPSK	36	39	21.32	0.136	21.32	0.136	21.35	0.136
15	QPSK	75	0	21.40	0.138	21.34	0.136	21.41	0.138
15	16QAM	1	0	21.48	0.141	21.49	0.141	21.54	0.143
15	16QAM	1	37	21.52	0.142	21.52	0.142	21.61	0.145
15	16QAM	1	74	21.59	0.144	21.50	0.141	21.61	0.145
15	16QAM	36	0	20.33	0.108	20.40	0.110	20.48	0.112
15	16QAM	36	20	20.34	0.108	20.34	0.108	20.40	0.110
15	16QAM	36	39	20.35	0.108	20.30	0.107	20.37	0.109
15	16QAM	75	0	20.32	0.108	20.39	0.109	20.39	0.109
15	64QAM	1	0	20.48	0.112	20.37	0.109	20.54	0.113
15	64QAM	1	37	20.40	0.110	20.45	0.111	20.44	0.111
15	64QAM	1	74	20.35	0.108	20.36	0.109	20.45	0.111
15	64QAM	36	0	19.39	0.087	19.34	0.086	19.44	0.088
15	64QAM	36	20	19.33	0.086	19.43	0.088	19.46	0.088
15	64QAM	36	39	19.28	0.085	19.26	0.084	19.31	0.085
15	64QAM	75	0	19.36	0.086	19.25	0.084	19.32	0.086



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	22.31	0.170	22.33	0.171	22.38	0.173
10	QPSK	1	25	22.36	0.172	22.36	0.172	22.41	0.174
10	QPSK	1	49	22.31	0.170	22.29	0.169	22.35	0.172
10	QPSK	25	0	21.43	0.139	21.48	0.141	21.50	0.141
10	QPSK	25	12	21.41	0.138	21.46	0.140	21.48	0.141
10	QPSK	25	25	21.39	0.138	21.33	0.136	21.33	0.136
10	QPSK	50	0	21.37	0.137	21.29	0.135	21.38	0.137
10	16QAM	1	0	21.44	0.139	21.51	0.142	21.51	0.142
10	16QAM	1	25	21.58	0.144	21.55	0.143	21.65	0.146
10	16QAM	1	49	21.56	0.143	21.58	0.144	21.53	0.142
10	16QAM	25	0	20.30	0.107	20.35	0.108	20.45	0.111
10	16QAM	25	12	20.42	0.110	20.37	0.109	20.43	0.110
10	16QAM	25	25	20.31	0.107	20.25	0.106	20.33	0.108
10	16QAM	50	0	20.28	0.107	20.34	0.108	20.38	0.109
10	64QAM	1	0	20.44	0.111	20.42	0.110	20.49	0.112
10	64QAM	1	25	20.42	0.110	20.40	0.110	20.46	0.111
10	64QAM	1	49	20.38	0.109	20.32	0.108	20.42	0.110
10	64QAM	25	0	19.38	0.087	19.33	0.086	19.43	0.088
10	64QAM	25	12	19.36	0.086	19.35	0.086	19.45	0.088
10	64QAM	25	25	19.24	0.084	19.21	0.083	19.26	0.084
10	64QAM	50	0	19.28	0.085	19.21	0.083	19.36	0.086



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	22.29	0.169	22.31	0.170	22.38	0.173
5	QPSK	1	12	22.32	0.171	22.34	0.171	22.43	0.175
5	QPSK	1	24	22.29	0.169	22.25	0.168	22.33	0.171
5	QPSK	12	0	21.46	0.140	21.48	0.141	21.49	0.141
5	QPSK	12	7	21.39	0.138	21.44	0.139	21.47	0.140
5	QPSK	12	13	21.35	0.136	21.28	0.134	21.38	0.137
5	QPSK	25	0	21.33	0.136	21.30	0.135	21.41	0.138
5	16QAM	1	0	21.47	0.140	21.44	0.139	21.58	0.144
5	16QAM	1	12	21.55	0.143	21.53	0.142	21.63	0.146
5	16QAM	1	24	21.57	0.144	21.57	0.144	21.62	0.145
5	16QAM	12	0	20.37	0.109	20.38	0.109	20.45	0.111
5	16QAM	12	7	20.35	0.108	20.41	0.110	20.43	0.110
5	16QAM	12	13	20.28	0.107	20.34	0.108	20.35	0.108
5	16QAM	25	0	20.28	0.107	20.36	0.109	20.38	0.109
5	64QAM	1	0	20.44	0.111	20.42	0.110	20.46	0.111
5	64QAM	1	12	20.40	0.110	20.42	0.110	20.51	0.112
5	64QAM	1	24	20.34	0.108	20.33	0.108	20.43	0.110
5	64QAM	12	0	19.35	0.086	19.42	0.087	19.44	0.088
5	64QAM	12	7	19.37	0.086	19.36	0.086	19.41	0.087
5	64QAM	12	13	19.19	0.083	19.18	0.083	19.31	0.085
5	64QAM	25	0	19.29	0.085	19.29	0.085	19.38	0.087



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	22.29	0.169	22.37	0.173	22.35	0.172
3	QPSK	1	8	22.31	0.170	22.37	0.173	22.46	0.176
3	QPSK	1	14	22.33	0.171	22.24	0.167	22.37	0.173
3	QPSK	8	0	21.39	0.138	21.48	0.141	21.48	0.141
3	QPSK	8	4	21.37	0.137	21.50	0.141	21.54	0.143
3	QPSK	8	7	21.39	0.138	21.28	0.134	21.35	0.136
3	QPSK	15	0	21.38	0.137	21.30	0.135	21.39	0.138
3	16QAM	1	0	21.50	0.141	21.52	0.142	21.50	0.141
3	16QAM	1	8	21.58	0.144	21.48	0.141	21.63	0.146
3	16QAM	1	14	21.51	0.142	21.53	0.142	21.60	0.145
3	16QAM	8	0	20.37	0.109	20.39	0.109	20.39	0.109
3	16QAM	8	4	20.36	0.109	20.39	0.109	20.42	0.110
3	16QAM	8	7	20.33	0.108	20.28	0.107	20.35	0.108
3	16QAM	15	0	20.32	0.108	20.39	0.109	20.36	0.109
3	64QAM	1	0	20.46	0.111	20.36	0.109	20.46	0.111
3	64QAM	1	8	20.39	0.109	20.41	0.110	20.42	0.110
3	64QAM	1	14	20.40	0.110	20.40	0.110	20.48	0.112
3	64QAM	8	0	19.30	0.085	19.39	0.087	19.36	0.086
3	64QAM	8	4	19.40	0.087	19.42	0.087	19.40	0.087
3	64QAM	8	7	19.28	0.085	19.21	0.083	19.28	0.085
3	64QAM	15	0	19.31	0.085	19.20	0.083	19.37	0.086



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	22.29	0.169	22.37	0.173	22.37	0.173
1.4	QPSK	1	3	22.33	0.171	22.38	0.173	22.47	0.177
1.4	QPSK	1	5	22.26	0.168	22.25	0.168	22.34	0.171
1.4	QPSK	3	0	22.17	0.165	22.27	0.169	22.23	0.167
1.4	QPSK	3	1	22.20	0.166	22.23	0.167	22.32	0.171
1.4	QPSK	3	3	22.16	0.164	22.10	0.162	22.20	0.166
1.4	QPSK	6	0	21.36	0.137	21.27	0.134	21.37	0.137
1.4	16QAM	1	0	21.47	0.140	21.47	0.140	21.56	0.143
1.4	16QAM	1	3	21.61	0.145	21.54	0.143	21.57	0.144
1.4	16QAM	1	5	21.57	0.144	21.51	0.142	21.62	0.145
1.4	16QAM	3	0	21.14	0.130	21.14	0.130	21.19	0.132
1.4	16QAM	3	1	21.13	0.130	21.20	0.132	21.18	0.131
1.4	16QAM	3	3	21.08	0.128	21.12	0.129	21.10	0.129
1.4	16QAM	6	0	20.28	0.107	20.33	0.108	20.33	0.108
1.4	64QAM	1	0	20.43	0.110	20.37	0.109	20.53	0.113
1.4	64QAM	1	3	20.40	0.110	20.40	0.110	20.47	0.111
1.4	64QAM	1	5	20.34	0.108	20.37	0.109	20.45	0.111
1.4	64QAM	3	0	20.19	0.104	20.21	0.105	20.22	0.105
1.4	64QAM	3	1	20.19	0.104	20.17	0.104	20.26	0.106
1.4	64QAM	3	3	20.07	0.102	20.00	0.100	20.06	0.101
1.4	64QAM	6	0	19.36	0.086	19.21	0.083	19.33	0.086



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.04	0.201	23.06	0.202	22.98	0.199
20	QPSK	1	49	23.07	0.203	23.10	0.204	23.06	0.202
20	QPSK	1	99	22.89	0.195	22.91	0.195	22.87	0.194
20	QPSK	50	0	21.99	0.158	22.08	0.161	22.01	0.159
20	QPSK	50	24	22.05	0.160	22.13	0.163	22.09	0.162
20	QPSK	50	50	22.09	0.162	22.11	0.163	22.07	0.161
20	QPSK	100	0	21.99	0.158	22.08	0.161	22.07	0.161
20	16QAM	1	0	22.19	0.166	22.21	0.166	22.19	0.166
20	16QAM	1	49	22.20	0.166	22.23	0.167	22.15	0.164
20	16QAM	1	99	22.07	0.161	22.10	0.162	22.05	0.160
20	16QAM	50	0	21.08	0.128	21.09	0.129	21.00	0.126
20	16QAM	50	24	21.10	0.129	21.13	0.130	21.07	0.128
20	16QAM	50	50	20.93	0.124	21.03	0.127	20.95	0.124
20	16QAM	100	0	21.00	0.126	21.09	0.129	21.05	0.127
20	64QAM	1	0	21.10	0.129	21.16	0.131	21.08	0.128
20	64QAM	1	49	21.15	0.130	21.19	0.132	21.13	0.130
20	64QAM	1	99	20.89	0.123	20.99	0.126	20.91	0.123
20	64QAM	50	0	20.03	0.101	20.09	0.102	20.02	0.100
20	64QAM	50	24	20.03	0.101	20.12	0.103	20.03	0.101
20	64QAM	50	50	19.99	0.100	20.09	0.102	20.00	0.100
20	64QAM	100	0	20.03	0.101	20.08	0.102	20.06	0.101



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.00	0.200	23.05	0.202	22.89	0.195
15	QPSK	1	37	23.05	0.202	23.05	0.202	23.05	0.202
15	QPSK	1	74	22.79	0.190	22.87	0.194	22.79	0.190
15	QPSK	36	0	22.05	0.160	22.10	0.162	22.02	0.159
15	QPSK	36	20	21.97	0.157	22.06	0.161	22.00	0.158
15	QPSK	36	39	22.08	0.161	22.05	0.160	21.97	0.157
15	QPSK	75	0	21.91	0.155	22.06	0.161	22.06	0.161
15	16QAM	1	0	22.16	0.164	22.16	0.164	22.16	0.164
15	16QAM	1	37	22.18	0.165	22.21	0.166	22.09	0.162
15	16QAM	1	74	22.04	0.160	22.07	0.161	21.99	0.158
15	16QAM	36	0	21.01	0.126	21.07	0.128	20.96	0.125
15	16QAM	36	20	21.00	0.126	21.03	0.127	20.98	0.125
15	16QAM	36	39	20.89	0.123	21.01	0.126	20.92	0.124
15	16QAM	75	0	20.91	0.123	21.07	0.128	20.96	0.125
15	64QAM	1	0	21.06	0.128	21.10	0.129	21.04	0.127
15	64QAM	1	37	21.08	0.128	21.10	0.129	21.09	0.129
15	64QAM	1	74	20.88	0.122	20.90	0.123	20.88	0.122
15	64QAM	36	0	20.02	0.100	20.03	0.101	19.99	0.100
15	64QAM	36	20	19.96	0.099	20.02	0.100	19.93	0.098
15	64QAM	36	39	19.95	0.099	20.03	0.101	19.94	0.099
15	64QAM	75	0	20.00	0.100	20.03	0.101	19.98	0.100



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	22.97	0.198	22.99	0.199	22.96	0.198
10	QPSK	1	25	23.06	0.202	23.08	0.203	23.04	0.201
10	QPSK	1	49	22.87	0.194	22.90	0.195	22.83	0.192
10	QPSK	25	0	21.99	0.158	22.15	0.164	22.05	0.160
10	QPSK	25	12	21.99	0.158	22.05	0.160	22.06	0.161
10	QPSK	25	25	22.01	0.159	22.01	0.159	22.04	0.160
10	QPSK	50	0	21.97	0.157	22.07	0.161	22.02	0.159
10	16QAM	1	0	22.12	0.163	22.15	0.164	22.11	0.163
10	16QAM	1	25	22.14	0.164	22.16	0.164	22.14	0.164
10	16QAM	1	49	22.04	0.160	22.04	0.160	22.00	0.158
10	16QAM	25	0	20.98	0.125	20.99	0.126	20.94	0.124
10	16QAM	25	12	21.07	0.128	21.11	0.129	21.06	0.128
10	16QAM	25	25	20.84	0.121	20.97	0.125	20.85	0.122
10	16QAM	50	0	20.97	0.125	21.00	0.126	21.00	0.126
10	64QAM	1	0	21.03	0.127	21.09	0.129	21.02	0.126
10	64QAM	1	25	21.08	0.128	21.15	0.130	21.08	0.128
10	64QAM	1	49	20.82	0.121	20.94	0.124	20.89	0.123
10	64QAM	25	0	19.93	0.098	20.02	0.100	19.96	0.099
10	64QAM	25	12	20.00	0.100	20.02	0.100	19.94	0.099
10	64QAM	25	25	19.95	0.099	20.07	0.102	19.99	0.100
10	64QAM	50	0	20.02	0.100	20.00	0.100	20.05	0.101



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	22.96	0.198	22.98	0.199	22.97	0.198
5	QPSK	1	12	23.02	0.200	23.05	0.202	22.98	0.199
5	QPSK	1	24	22.82	0.191	22.87	0.194	22.78	0.190
5	QPSK	12	0	22.02	0.159	22.09	0.162	22.02	0.159
5	QPSK	12	7	22.03	0.160	22.11	0.163	22.00	0.158
5	QPSK	12	13	22.08	0.161	22.02	0.159	22.05	0.160
5	QPSK	25	0	21.94	0.156	22.01	0.159	22.00	0.158
5	16QAM	1	0	22.12	0.163	22.15	0.164	22.11	0.163
5	16QAM	1	12	22.17	0.165	22.14	0.164	22.05	0.160
5	16QAM	1	24	22.01	0.159	22.03	0.160	22.01	0.159
5	16QAM	12	0	21.00	0.126	21.04	0.127	20.97	0.125
5	16QAM	12	7	21.08	0.128	21.11	0.129	21.04	0.127
5	16QAM	12	13	20.85	0.122	20.96	0.125	20.87	0.122
5	16QAM	25	0	20.93	0.124	21.06	0.128	20.99	0.126
5	64QAM	1	0	21.08	0.128	21.10	0.129	21.00	0.126
5	64QAM	1	12	21.10	0.129	21.16	0.131	21.11	0.129
5	64QAM	1	24	20.84	0.121	20.94	0.124	20.90	0.123
5	64QAM	12	0	19.94	0.099	20.01	0.100	20.01	0.100
5	64QAM	12	7	19.96	0.099	20.07	0.102	19.98	0.100
5	64QAM	12	13	19.97	0.099	20.07	0.102	19.98	0.100
5	64QAM	25	0	20.02	0.100	20.00	0.100	20.02	0.100



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	22.95	0.197	22.96	0.198	22.95	0.197
3	QPSK	1	8	22.97	0.198	23.04	0.201	23.04	0.201
3	QPSK	1	14	22.80	0.191	22.88	0.194	22.79	0.190
3	QPSK	8	0	22.01	0.159	22.11	0.163	22.10	0.162
3	QPSK	8	4	22.03	0.160	22.05	0.160	22.04	0.160
3	QPSK	8	7	22.01	0.159	22.01	0.159	22.03	0.160
3	QPSK	15	0	21.95	0.157	22.07	0.161	22.02	0.159
3	16QAM	1	0	22.16	0.164	22.13	0.163	22.10	0.162
3	16QAM	1	8	22.19	0.166	22.21	0.166	22.11	0.163
3	16QAM	1	14	21.99	0.158	22.00	0.158	22.04	0.160
3	16QAM	8	0	21.02	0.126	21.03	0.127	20.96	0.125
3	16QAM	8	4	21.01	0.126	21.11	0.129	20.98	0.125
3	16QAM	8	7	20.88	0.122	20.98	0.125	20.86	0.122
3	16QAM	15	0	20.96	0.125	21.00	0.126	21.03	0.127
3	64QAM	1	0	21.01	0.126	21.10	0.129	20.98	0.125
3	64QAM	1	8	21.13	0.130	21.13	0.130	21.08	0.128
3	64QAM	1	14	20.81	0.121	20.92	0.124	20.83	0.121
3	64QAM	8	0	20.01	0.100	20.07	0.102	20.01	0.100
3	64QAM	8	4	19.93	0.098	20.11	0.103	20.00	0.100
3	64QAM	8	7	19.96	0.099	20.01	0.100	19.92	0.098
3	64QAM	15	0	20.02	0.100	20.07	0.102	19.96	0.099



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.00	0.200	22.97	0.198	22.95	0.197
1.4	QPSK	1	3	23.01	0.200	23.05	0.202	22.96	0.198
1.4	QPSK	1	5	22.87	0.194	22.89	0.195	22.86	0.193
1.4	QPSK	3	0	22.90	0.195	22.96	0.198	22.86	0.193
1.4	QPSK	3	1	22.88	0.194	22.95	0.197	22.84	0.192
1.4	QPSK	3	3	22.92	0.196	22.95	0.197	22.85	0.193
1.4	QPSK	6	0	21.89	0.155	22.02	0.159	21.99	0.158
1.4	16QAM	1	0	22.16	0.164	22.17	0.165	22.17	0.165
1.4	16QAM	1	3	22.12	0.163	22.18	0.165	22.09	0.162
1.4	16QAM	1	5	21.98	0.158	22.06	0.161	22.01	0.159
1.4	16QAM	3	0	21.83	0.152	21.87	0.154	21.79	0.151
1.4	16QAM	3	1	21.87	0.154	21.94	0.156	21.82	0.152
1.4	16QAM	3	3	21.73	0.149	21.80	0.151	21.75	0.150
1.4	16QAM	6	0	20.96	0.125	20.99	0.126	20.98	0.125
1.4	64QAM	1	0	21.03	0.127	21.07	0.128	21.03	0.127
1.4	64QAM	1	3	21.12	0.129	21.09	0.129	21.10	0.129
1.4	64QAM	1	5	20.88	0.122	20.95	0.124	20.83	0.121
1.4	64QAM	3	0	20.83	0.121	20.93	0.124	20.86	0.122
1.4	64QAM	3	1	20.81	0.121	20.93	0.124	20.86	0.122
1.4	64QAM	3	3	20.78	0.120	20.85	0.122	20.77	0.119
1.4	64QAM	6	0	19.95	0.099	20.07	0.102	19.98	0.100



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.58	0.072	18.62	0.073	18.59	0.072
10	QPSK	1	25	18.64	0.073	18.70	0.074	18.66	0.073
10	QPSK	1	49	18.48	0.070	18.56	0.072	18.55	0.072
10	QPSK	25	0	17.62	0.058	17.72	0.059	17.69	0.059
10	QPSK	25	12	17.70	0.059	17.74	0.059	17.70	0.059
10	QPSK	25	25	17.63	0.058	17.73	0.059	17.72	0.059
10	QPSK	50	0	17.58	0.057	17.67	0.058	17.66	0.058
10	16QAM	1	0	17.72	0.059	17.77	0.060	17.69	0.059
10	16QAM	1	25	17.68	0.059	17.75	0.060	17.68	0.059
10	16QAM	1	49	17.72	0.059	17.74	0.059	17.65	0.058
10	16QAM	25	0	16.71	0.047	16.73	0.047	16.63	0.046
10	16QAM	25	12	16.63	0.046	16.70	0.047	16.61	0.046
10	16QAM	25	25	16.61	0.046	16.68	0.047	16.63	0.046
10	16QAM	50	0	16.68	0.047	16.70	0.047	16.60	0.046
10	64QAM	1	0	16.73	0.047	16.79	0.048	16.69	0.047
10	64QAM	1	25	16.71	0.047	16.76	0.047	16.71	0.047
10	64QAM	1	49	16.72	0.047	16.74	0.047	16.69	0.047
10	64QAM	25	0	15.65	0.037	15.68	0.037	15.59	0.036
10	64QAM	25	12	15.61	0.036	15.63	0.037	15.56	0.036
10	64QAM	25	25	15.60	0.036	15.65	0.037	15.56	0.036
10	64QAM	50	0	15.60	0.036	15.64	0.037	15.56	0.036



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.52	0.071	18.53	0.071	18.54	0.071
5	QPSK	1	12	18.59	0.072	18.65	0.073	18.62	0.073
5	QPSK	1	24	18.38	0.069	18.55	0.072	18.49	0.071
5	QPSK	12	0	17.61	0.058	17.70	0.059	17.66	0.058
5	QPSK	12	7	17.64	0.058	17.66	0.058	17.64	0.058
5	QPSK	12	13	17.61	0.058	17.72	0.059	17.65	0.058
5	QPSK	25	0	17.54	0.057	17.57	0.057	17.59	0.057
5	16QAM	1	0	17.65	0.058	17.76	0.060	17.63	0.058
5	16QAM	1	12	17.61	0.058	17.72	0.059	17.60	0.058
5	16QAM	1	24	17.65	0.058	17.72	0.059	17.61	0.058
5	16QAM	12	0	16.68	0.047	16.63	0.046	16.53	0.045
5	16QAM	12	7	16.59	0.046	16.60	0.046	16.58	0.045
5	16QAM	12	13	16.60	0.046	16.61	0.046	16.59	0.046
5	16QAM	25	0	16.58	0.045	16.64	0.046	16.58	0.045
5	64QAM	1	0	16.72	0.047	16.73	0.047	16.60	0.046
5	64QAM	1	12	16.64	0.046	16.74	0.047	16.66	0.046
5	64QAM	1	24	16.63	0.046	16.69	0.047	16.62	0.046
5	64QAM	12	0	15.64	0.037	15.65	0.037	15.50	0.035
5	64QAM	12	7	15.59	0.036	15.53	0.036	15.51	0.036
5	64QAM	12	13	15.52	0.036	15.56	0.036	15.55	0.036
5	64QAM	25	0	15.55	0.036	15.61	0.036	15.49	0.035



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	18.56	0.072	18.52	0.071	18.54	0.071
3	QPSK	1	8	18.59	0.072	18.65	0.073	18.56	0.072
3	QPSK	1	14	18.43	0.070	18.52	0.071	18.46	0.070
3	QPSK	8	0	17.59	0.057	17.66	0.058	17.68	0.059
3	QPSK	8	4	17.65	0.058	17.71	0.059	17.65	0.058
3	QPSK	8	7	17.58	0.057	17.66	0.058	17.64	0.058
3	QPSK	15	0	17.55	0.057	17.64	0.058	17.61	0.058
3	16QAM	1	0	17.64	0.058	17.74	0.059	17.64	0.058
3	16QAM	1	8	17.63	0.058	17.66	0.058	17.64	0.058
3	16QAM	1	14	17.62	0.058	17.73	0.059	17.62	0.058
3	16QAM	8	0	16.67	0.046	16.63	0.046	16.61	0.046
3	16QAM	8	4	16.53	0.045	16.61	0.046	16.54	0.045
3	16QAM	8	7	16.60	0.046	16.63	0.046	16.59	0.046
3	16QAM	15	0	16.67	0.046	16.65	0.046	16.57	0.045
3	64QAM	1	0	16.72	0.047	16.77	0.048	16.62	0.046
3	64QAM	1	8	16.68	0.047	16.67	0.046	16.66	0.046
3	64QAM	1	14	16.65	0.046	16.71	0.047	16.68	0.047
3	64QAM	8	0	15.60	0.036	15.61	0.036	15.57	0.036
3	64QAM	8	4	15.52	0.036	15.58	0.036	15.54	0.036
3	64QAM	8	7	15.56	0.036	15.62	0.036	15.54	0.036
3	64QAM	15	0	15.52	0.036	15.58	0.036	15.51	0.036



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	18.57	0.072	18.60	0.072	18.53	0.071
1.4	QPSK	1	3	18.54	0.071	18.61	0.073	18.63	0.073
1.4	QPSK	1	5	18.41	0.069	18.49	0.071	18.52	0.071
1.4	QPSK	3	0	18.41	0.069	18.46	0.070	18.42	0.070
1.4	QPSK	3	1	18.46	0.070	18.53	0.071	18.42	0.070
1.4	QPSK	3	3	18.35	0.068	18.49	0.071	18.48	0.070
1.4	QPSK	6	0	17.52	0.056	17.60	0.058	17.60	0.058
1.4	16QAM	1	0	17.68	0.059	17.71	0.059	17.64	0.058
1.4	16QAM	1	3	17.61	0.058	17.67	0.058	17.65	0.058
1.4	16QAM	1	5	17.69	0.059	17.69	0.059	17.56	0.057
1.4	16QAM	3	0	17.41	0.055	17.45	0.056	17.33	0.054
1.4	16QAM	3	1	17.34	0.054	17.40	0.055	17.31	0.054
1.4	16QAM	3	3	17.33	0.054	17.38	0.055	17.34	0.054
1.4	16QAM	6	0	16.61	0.046	16.65	0.046	16.56	0.045
1.4	64QAM	1	0	16.67	0.046	16.69	0.047	16.68	0.047
1.4	64QAM	1	3	16.70	0.047	16.70	0.047	16.70	0.047
1.4	64QAM	1	5	16.65	0.046	16.72	0.047	16.62	0.046
1.4	64QAM	3	0	16.40	0.044	16.41	0.044	16.32	0.043
1.4	64QAM	3	1	16.32	0.043	16.35	0.043	16.34	0.043
1.4	64QAM	3	3	16.31	0.043	16.42	0.044	16.35	0.043
1.4	64QAM	6	0	15.56	0.036	15.61	0.036	15.55	0.036



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.96	0.079	18.98	0.079	18.94	0.078
10	QPSK	1	25	18.95	0.079	19.00	0.079	18.92	0.078
10	QPSK	1	49	18.92	0.078	18.93	0.078	18.89	0.077
10	QPSK	25	0	17.96	0.063	17.99	0.063	17.92	0.062
10	QPSK	25	12	17.97	0.063	18.01	0.063	17.91	0.062
10	QPSK	25	25	17.94	0.062	17.97	0.063	17.89	0.062
10	QPSK	50	0	17.98	0.063	18.00	0.063	17.96	0.063
10	16QAM	1	0	17.86	0.061	17.96	0.063	17.86	0.061
10	16QAM	1	25	17.90	0.062	17.99	0.063	17.93	0.062
10	16QAM	1	49	17.92	0.062	17.97	0.063	17.87	0.061
10	16QAM	25	0	16.96	0.050	16.99	0.050	16.90	0.049
10	16QAM	25	12	17.03	0.050	17.04	0.051	17.02	0.050
10	16QAM	25	25	16.93	0.049	17.01	0.050	16.98	0.050
10	16QAM	50	0	16.93	0.049	17.00	0.050	16.96	0.050
10	64QAM	1	0	16.95	0.050	17.05	0.051	16.97	0.050
10	64QAM	1	25	16.98	0.050	17.03	0.050	17.00	0.050
10	64QAM	1	49	17.02	0.050	17.11	0.051	17.06	0.051
10	64QAM	25	0	16.08	0.041	16.10	0.041	16.08	0.041
10	64QAM	25	12	16.07	0.040	16.13	0.041	16.12	0.041
10	64QAM	25	25	15.99	0.040	16.08	0.041	16.05	0.040
10	64QAM	50	0	16.02	0.040	16.12	0.041	16.10	0.041



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.88	0.077	18.95	0.079	18.90	0.078
5	QPSK	1	12	18.89	0.077	18.98	0.079	18.87	0.077
5	QPSK	1	24	18.85	0.077	18.92	0.078	18.85	0.077
5	QPSK	12	0	17.92	0.062	17.91	0.062	17.84	0.061
5	QPSK	12	7	17.90	0.062	17.99	0.063	17.88	0.061
5	QPSK	12	13	17.92	0.062	17.96	0.063	17.84	0.061
5	QPSK	25	0	17.88	0.061	17.96	0.063	17.93	0.062
5	16QAM	1	0	17.80	0.060	17.89	0.062	17.81	0.060
5	16QAM	1	12	17.80	0.060	17.93	0.062	17.85	0.061
5	16QAM	1	24	17.83	0.061	17.87	0.061	17.85	0.061
5	16QAM	12	0	16.94	0.049	16.97	0.050	16.84	0.048
5	16QAM	12	7	16.94	0.049	17.00	0.050	16.95	0.050
5	16QAM	12	13	16.83	0.048	16.95	0.050	16.92	0.049
5	16QAM	25	0	16.86	0.049	16.91	0.049	16.90	0.049
5	64QAM	1	0	16.92	0.049	16.99	0.050	16.91	0.049
5	64QAM	1	12	16.88	0.049	16.97	0.050	16.95	0.050
5	64QAM	1	24	16.95	0.050	17.03	0.050	17.00	0.050
5	64QAM	12	0	16.06	0.040	16.00	0.040	16.01	0.040
5	64QAM	12	7	15.99	0.040	16.11	0.041	16.11	0.041
5	64QAM	12	13	15.94	0.039	15.99	0.040	15.96	0.039
5	64QAM	25	0	15.97	0.040	16.11	0.041	16.03	0.040



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	18.95	0.079	18.91	0.078	18.85	0.077
3	QPSK	1	8	18.94	0.078	18.93	0.078	18.86	0.077
3	QPSK	1	14	18.85	0.077	18.87	0.077	18.79	0.076
3	QPSK	8	0	17.86	0.061	17.95	0.062	17.86	0.061
3	QPSK	8	4	17.94	0.062	17.96	0.063	17.85	0.061
3	QPSK	8	7	17.90	0.062	17.93	0.062	17.80	0.060
3	QPSK	15	0	17.94	0.062	17.94	0.062	17.91	0.062
3	16QAM	1	0	17.85	0.061	17.93	0.062	17.77	0.060
3	16QAM	1	8	17.80	0.060	17.95	0.062	17.83	0.061
3	16QAM	1	14	17.90	0.062	17.92	0.062	17.82	0.061
3	16QAM	8	0	16.86	0.049	16.98	0.050	16.84	0.048
3	16QAM	8	4	16.97	0.050	16.95	0.050	17.01	0.050
3	16QAM	8	7	16.92	0.049	16.95	0.050	16.91	0.049
3	16QAM	15	0	16.85	0.048	16.98	0.050	16.95	0.050
3	64QAM	1	0	16.94	0.049	16.99	0.050	16.90	0.049
3	64QAM	1	8	16.97	0.050	16.96	0.050	16.93	0.049
3	64QAM	1	14	16.98	0.050	17.08	0.051	16.97	0.050
3	64QAM	8	0	16.04	0.040	16.02	0.040	16.04	0.040
3	64QAM	8	4	16.04	0.040	16.05	0.040	16.02	0.040
3	64QAM	8	7	15.93	0.039	16.04	0.040	16.02	0.040
3	64QAM	15	0	15.93	0.039	16.08	0.041	16.07	0.040



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	18.94	0.078	18.96	0.079	18.85	0.077
1.4	QPSK	1	3	18.92	0.078	18.96	0.079	18.85	0.077
1.4	QPSK	1	5	18.88	0.077	18.90	0.078	18.81	0.076
1.4	QPSK	3	0	18.72	0.074	18.71	0.074	18.71	0.074
1.4	QPSK	3	1	18.73	0.075	18.79	0.076	18.69	0.074
1.4	QPSK	3	3	18.69	0.074	18.72	0.074	18.62	0.073
1.4	QPSK	6	0	17.88	0.061	17.95	0.062	17.89	0.062
1.4	16QAM	1	0	17.83	0.061	17.87	0.061	17.85	0.061
1.4	16QAM	1	3	17.84	0.061	17.91	0.062	17.91	0.062
1.4	16QAM	1	5	17.88	0.061	17.93	0.062	17.84	0.061
1.4	16QAM	3	0	17.67	0.058	17.71	0.059	17.69	0.059
1.4	16QAM	3	1	17.78	0.060	17.80	0.060	17.77	0.060
1.4	16QAM	3	3	17.70	0.059	17.78	0.060	17.72	0.059
1.4	16QAM	6	0	16.83	0.048	16.90	0.049	16.95	0.050
1.4	64QAM	1	0	16.93	0.049	16.99	0.050	16.88	0.049
1.4	64QAM	1	3	16.93	0.049	17.01	0.050	16.95	0.050
1.4	64QAM	1	5	17.00	0.050	17.08	0.051	16.99	0.050
1.4	64QAM	3	0	16.80	0.048	16.80	0.048	16.78	0.048
1.4	64QAM	3	1	16.85	0.048	16.83	0.048	16.89	0.049
1.4	64QAM	3	3	16.70	0.047	16.83	0.048	16.77	0.048
1.4	64QAM	6	0	15.93	0.039	16.10	0.041	16.03	0.040



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		23230		/	
Frequency (MHz)				/		782		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	18.85	0.077	/	/
10	QPSK	1	25	/	/	18.83	0.076	/	/
10	QPSK	1	49	/	/	18.73	0.075	/	/
10	QPSK	25	0	/	/	17.87	0.061	/	/
10	QPSK	25	12	/	/	17.88	0.061	/	/
10	QPSK	25	25	/	/	17.85	0.061	/	/
10	QPSK	50	0	/	/	17.89	0.062	/	/
10	16QAM	1	0	/	/	17.87	0.061	/	/
10	16QAM	1	25	/	/	17.94	0.062	/	/
10	16QAM	1	49	/	/	17.90	0.062	/	/
10	16QAM	25	0	/	/	16.81	0.048	/	/
10	16QAM	25	12	/	/	16.85	0.048	/	/
10	16QAM	25	25	/	/	16.83	0.048	/	/
10	16QAM	50	0	/	/	16.82	0.048	/	/
10	64QAM	1	0	/	/	16.77	0.048	/	/
10	64QAM	1	25	/	/	16.85	0.048	/	/
10	64QAM	1	49	/	/	16.81	0.048	/	/
10	64QAM	25	0	/	/	15.78	0.038	/	/
10	64QAM	25	12	/	/	15.87	0.039	/	/
10	64QAM	25	25	/	/	15.81	0.038	/	/
10	64QAM	50	0	/	/	15.83	0.038	/	/



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23205		23230		23255	
Frequency (MHz)				779.5		782		784.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.78	0.076	18.79	0.076	18.75	0.075
5	QPSK	1	12	18.73	0.075	18.78	0.076	18.81	0.076
5	QPSK	1	24	18.63	0.073	18.63	0.073	18.67	0.074
5	QPSK	12	0	17.84	0.061	17.78	0.060	17.79	0.060
5	QPSK	12	7	17.83	0.061	17.81	0.060	17.83	0.061
5	QPSK	12	13	17.77	0.060	17.84	0.061	17.82	0.061
5	QPSK	25	0	17.82	0.061	17.81	0.060	17.85	0.061
5	16QAM	1	0	17.83	0.061	17.82	0.061	17.80	0.060
5	16QAM	1	12	17.84	0.061	17.84	0.061	17.91	0.062
5	16QAM	1	24	17.88	0.061	17.85	0.061	17.82	0.061
5	16QAM	12	0	16.74	0.047	16.75	0.047	16.71	0.047
5	16QAM	12	7	16.78	0.048	16.77	0.048	16.81	0.048
5	16QAM	12	13	16.81	0.048	16.82	0.048	16.79	0.048
5	16QAM	25	0	16.73	0.047	16.75	0.047	16.73	0.047
5	64QAM	1	0	16.72	0.047	16.70	0.047	16.75	0.047
5	64QAM	1	12	16.77	0.048	16.76	0.047	16.80	0.048
5	64QAM	1	24	16.75	0.047	16.72	0.047	16.72	0.047
5	64QAM	12	0	15.71	0.037	15.69	0.037	15.73	0.037
5	64QAM	12	7	15.83	0.038	15.79	0.038	15.79	0.038
5	64QAM	12	13	15.77	0.038	15.76	0.038	15.80	0.038
5	64QAM	25	0	15.80	0.038	15.75	0.038	15.81	0.038



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	23.07	0.203	22.95	0.197	22.90	0.195
20	QPSK	1	49	23.13	0.206	23.10	0.204	23.07	0.203
20	QPSK	1	99	23.04	0.201	22.95	0.197	22.99	0.199
20	QPSK	50	0	22.14	0.164	22.07	0.161	22.05	0.160
20	QPSK	50	24	22.17	0.165	22.13	0.163	22.11	0.163
20	QPSK	50	50	22.12	0.163	22.08	0.161	22.02	0.159
20	QPSK	100	0	22.15	0.164	22.07	0.161	22.11	0.163
20	16QAM	1	0	22.18	0.165	22.13	0.163	22.10	0.162
20	16QAM	1	49	22.23	0.167	22.22	0.167	22.21	0.166
20	16QAM	1	99	22.15	0.164	22.12	0.163	22.08	0.161
20	16QAM	50	0	21.10	0.129	21.07	0.128	21.05	0.127
20	16QAM	50	24	21.14	0.130	21.12	0.129	21.04	0.127
20	16QAM	50	50	21.09	0.129	20.99	0.126	21.05	0.127
20	16QAM	100	0	21.11	0.129	21.06	0.128	21.09	0.129
20	64QAM	1	0	21.13	0.130	21.04	0.127	21.09	0.129
20	64QAM	1	49	21.18	0.131	21.17	0.131	21.14	0.130
20	64QAM	1	99	21.10	0.129	21.09	0.129	21.09	0.129
20	64QAM	50	0	20.13	0.103	20.04	0.101	20.07	0.102
20	64QAM	50	24	20.16	0.104	20.12	0.103	20.07	0.102
20	64QAM	50	50	20.11	0.103	20.08	0.102	20.03	0.101
20	64QAM	100	0	20.12	0.103	20.03	0.101	20.02	0.100



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	22.98	0.199	22.93	0.196	22.85	0.193
15	QPSK	1	37	23.07	0.203	23.05	0.202	23.01	0.200
15	QPSK	1	74	23.00	0.200	22.89	0.195	22.96	0.198
15	QPSK	36	0	22.12	0.163	22.00	0.158	21.96	0.157
15	QPSK	36	20	22.08	0.161	22.06	0.161	22.09	0.162
15	QPSK	36	39	22.07	0.161	22.00	0.158	21.94	0.156
15	QPSK	75	0	22.11	0.163	21.98	0.158	22.06	0.161
15	16QAM	1	0	22.10	0.162	22.11	0.163	22.04	0.160
15	16QAM	1	37	22.19	0.166	22.21	0.166	22.11	0.163
15	16QAM	1	74	22.12	0.163	22.02	0.159	22.07	0.161
15	16QAM	36	0	21.01	0.126	20.98	0.125	20.99	0.126
15	16QAM	36	20	21.10	0.129	21.09	0.129	21.03	0.127
15	16QAM	36	39	21.04	0.127	20.97	0.125	21.02	0.126
15	16QAM	75	0	21.05	0.127	21.04	0.127	21.02	0.126
15	64QAM	1	0	21.10	0.129	21.00	0.126	21.03	0.127
15	64QAM	1	37	21.13	0.130	21.12	0.129	21.07	0.128
15	64QAM	1	74	21.07	0.128	21.08	0.128	21.04	0.127
15	64QAM	36	0	20.10	0.102	20.00	0.100	20.02	0.100
15	64QAM	36	20	20.12	0.103	20.06	0.101	20.05	0.101
15	64QAM	36	39	20.10	0.102	20.05	0.101	20.01	0.100
15	64QAM	75	0	20.07	0.102	20.01	0.100	19.92	0.098



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.06	0.202	22.86	0.193	22.80	0.191
10	QPSK	1	25	23.06	0.202	23.09	0.204	23.01	0.200
10	QPSK	1	49	22.99	0.199	22.88	0.194	22.96	0.198
10	QPSK	25	0	22.12	0.163	22.02	0.159	22.04	0.160
10	QPSK	25	12	22.13	0.163	22.07	0.161	22.09	0.162
10	QPSK	25	25	22.08	0.161	22.07	0.161	21.94	0.156
10	QPSK	50	0	22.09	0.162	22.05	0.160	22.03	0.160
10	16QAM	1	0	22.08	0.161	22.11	0.163	22.01	0.159
10	16QAM	1	25	22.18	0.165	22.20	0.166	22.19	0.166
10	16QAM	1	49	22.11	0.163	22.10	0.162	22.05	0.160
10	16QAM	25	0	21.06	0.128	21.04	0.127	20.96	0.125
10	16QAM	25	12	21.13	0.130	21.09	0.129	20.94	0.124
10	16QAM	25	25	21.02	0.126	20.94	0.124	21.00	0.126
10	16QAM	50	0	21.07	0.128	21.05	0.127	21.01	0.126
10	64QAM	1	0	21.04	0.127	21.01	0.126	21.03	0.127
10	64QAM	1	25	21.11	0.129	21.10	0.129	21.11	0.129
10	64QAM	1	49	21.01	0.126	21.05	0.127	20.99	0.126
10	64QAM	25	0	20.03	0.101	19.97	0.099	20.04	0.101
10	64QAM	25	12	20.06	0.101	20.08	0.102	20.01	0.100
10	64QAM	25	25	20.07	0.102	20.01	0.100	19.94	0.099
10	64QAM	50	0	20.04	0.101	19.95	0.099	19.98	0.100



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	23.04	0.201	22.94	0.197	22.89	0.195
5	QPSK	1	12	23.03	0.201	23.07	0.203	23.04	0.201
5	QPSK	1	24	22.98	0.199	22.89	0.195	22.96	0.198
5	QPSK	12	0	22.05	0.160	22.06	0.161	21.97	0.157
5	QPSK	12	7	22.09	0.162	22.09	0.162	22.03	0.160
5	QPSK	12	13	22.09	0.162	22.06	0.161	21.92	0.156
5	QPSK	25	0	22.06	0.161	21.98	0.158	22.03	0.160
5	16QAM	1	0	22.16	0.164	22.12	0.163	22.01	0.159
5	16QAM	1	12	22.22	0.167	22.15	0.164	22.18	0.165
5	16QAM	1	24	22.10	0.162	22.11	0.163	22.05	0.160
5	16QAM	12	0	21.09	0.129	21.05	0.127	20.99	0.126
5	16QAM	12	7	21.11	0.129	21.11	0.129	20.94	0.124
5	16QAM	12	13	21.07	0.128	20.89	0.123	20.97	0.125
5	16QAM	25	0	21.01	0.126	21.01	0.126	21.05	0.127
5	64QAM	1	0	21.04	0.127	21.01	0.126	21.08	0.128
5	64QAM	1	12	21.11	0.129	21.15	0.130	21.13	0.130
5	64QAM	1	24	21.03	0.127	21.03	0.127	20.99	0.126
5	64QAM	12	0	20.10	0.102	19.98	0.100	20.05	0.101
5	64QAM	12	7	20.11	0.103	20.07	0.102	20.04	0.101
5	64QAM	12	13	20.04	0.101	20.06	0.101	19.94	0.099
5	64QAM	25	0	20.07	0.102	19.94	0.099	20.00	0.100



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	23.02	0.200	22.90	0.195	22.86	0.193
3	QPSK	1	8	23.04	0.201	23.00	0.200	22.99	0.199
3	QPSK	1	14	22.99	0.199	22.93	0.196	22.92	0.196
3	QPSK	8	0	22.08	0.161	21.98	0.158	22.02	0.159
3	QPSK	8	4	22.10	0.162	22.12	0.163	22.07	0.161
3	QPSK	8	7	22.05	0.160	22.02	0.159	21.93	0.156
3	QPSK	15	0	22.12	0.163	21.99	0.158	22.07	0.161
3	16QAM	1	0	22.17	0.165	22.04	0.160	22.05	0.160
3	16QAM	1	8	22.19	0.166	22.15	0.164	22.19	0.166
3	16QAM	1	14	22.14	0.164	22.06	0.161	22.02	0.159
3	16QAM	8	0	21.00	0.126	21.04	0.127	21.04	0.127
3	16QAM	8	4	21.12	0.129	21.05	0.127	21.02	0.126
3	16QAM	8	7	21.04	0.127	20.98	0.125	21.03	0.127
3	16QAM	15	0	21.10	0.129	21.00	0.126	21.08	0.128
3	64QAM	1	0	21.03	0.127	20.96	0.125	21.00	0.126
3	64QAM	1	8	21.08	0.128	21.16	0.131	21.08	0.128
3	64QAM	1	14	21.02	0.126	21.05	0.127	21.08	0.128
3	64QAM	8	0	20.09	0.102	19.95	0.099	20.02	0.100
3	64QAM	8	4	20.08	0.102	20.09	0.102	20.06	0.101
3	64QAM	8	7	20.05	0.101	20.01	0.100	19.94	0.099
3	64QAM	15	0	20.05	0.101	19.93	0.098	19.93	0.098

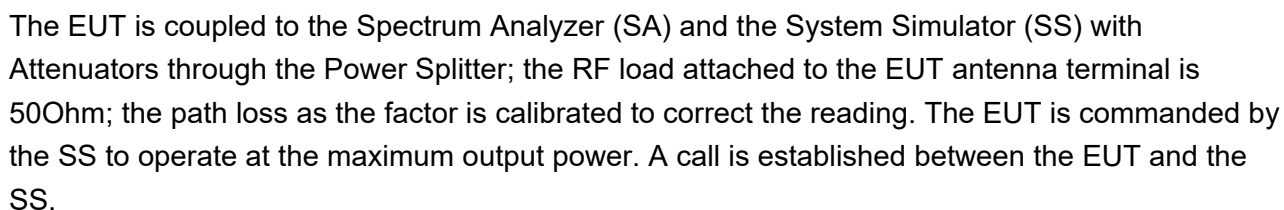


LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.05	0.202	22.93	0.196	22.89	0.195
1.4	QPSK	1	3	23.08	0.203	23.08	0.203	23.01	0.200
1.4	QPSK	1	5	23.01	0.200	22.93	0.196	22.96	0.198
1.4	QPSK	3	0	22.86	0.193	22.83	0.192	22.75	0.188
1.4	QPSK	3	1	22.94	0.197	22.89	0.195	22.86	0.193
1.4	QPSK	3	3	22.88	0.194	22.85	0.193	22.73	0.187
1.4	QPSK	6	0	22.09	0.162	22.05	0.160	22.03	0.160
1.4	16QAM	1	0	22.14	0.164	22.07	0.161	22.01	0.159
1.4	16QAM	1	3	22.15	0.164	22.19	0.166	22.18	0.165
1.4	16QAM	1	5	22.14	0.164	22.06	0.161	22.04	0.160
1.4	16QAM	3	0	21.87	0.154	21.85	0.153	21.75	0.150
1.4	16QAM	3	1	21.89	0.155	21.83	0.152	21.78	0.151
1.4	16QAM	3	3	21.88	0.154	21.72	0.149	21.84	0.153
1.4	16QAM	6	0	21.04	0.127	20.96	0.125	21.03	0.127
1.4	64QAM	1	0	21.06	0.128	21.01	0.126	21.05	0.127
1.4	64QAM	1	3	21.14	0.130	21.11	0.129	21.04	0.127
1.4	64QAM	1	5	21.06	0.128	21.06	0.128	20.99	0.126
1.4	64QAM	3	0	20.90	0.123	20.82	0.121	20.78	0.120
1.4	64QAM	3	1	20.91	0.123	20.84	0.121	20.78	0.120
1.4	64QAM	3	3	20.81	0.121	20.82	0.121	20.79	0.120
1.4	64QAM	6	0	20.08	0.102	19.99	0.100	19.92	0.098



2.2.1. Requirement

2.2.2. Test Description



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



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	1.0889	1.2656	PASS
B2	1.4	Low	18607	1850.7	16QAM	1.0996	1.3000	PASS
B2	1.4	Low	18607	1850.7	64QAM	1.0974	1.2889	PASS
B2	1.4	Mid	18900	1880	QPSK	1.0959	1.2601	PASS
B2	1.4	Mid	18900	1880	16QAM	1.1001	1.3087	PASS
B2	1.4	Mid	18900	1880	64QAM	1.1009	1.3080	PASS
B2	1.4	High	19193	1909.3	QPSK	1.0957	1.2755	PASS
B2	1.4	High	19193	1909.3	16QAM	1.0996	1.2930	PASS
B2	1.4	High	19193	1909.3	64QAM	1.0999	1.3030	PASS
B2	3	Low	18615	1851.5	QPSK	2.6872	2.9121	PASS
B2	3	Low	18615	1851.5	16QAM	2.6954	2.9388	PASS
B2	3	Low	18615	1851.5	64QAM	2.6932	2.9096	PASS
B2	3	Mid	18900	1880	QPSK	2.6868	2.9141	PASS
B2	3	Mid	18900	1880	16QAM	2.6843	2.9290	PASS
B2	3	Mid	18900	1880	64QAM	2.6968	2.9136	PASS
B2	3	High	19185	1908.5	QPSK	2.6922	2.9369	PASS
B2	3	High	19185	1908.5	16QAM	2.6981	2.9377	PASS
B2	3	High	19185	1908.5	64QAM	2.6973	2.9195	PASS
B2	5	Low	18625	1852.5	QPSK	4.4838	4.8651	PASS
B2	5	Low	18625	1852.5	16QAM	4.4802	4.9348	PASS
B2	5	Low	18625	1852.5	64QAM	4.4855	4.8589	PASS
B2	5	Mid	18900	1880	QPSK	4.4857	4.8752	PASS
B2	5	Mid	18900	1880	16QAM	4.4883	4.9571	PASS
B2	5	Mid	18900	1880	64QAM	4.4944	4.8744	PASS
B2	5	High	19175	1907.5	QPSK	4.4826	4.8707	PASS
B2	5	High	19175	1907.5	16QAM	4.4921	4.9201	PASS
B2	5	High	19175	1907.5	64QAM	4.4913	4.8656	PASS
B2	10	Low	18650	1855	QPSK	8.9722	9.6852	PASS
B2	10	Low	18650	1855	16QAM	8.9618	9.5886	PASS
B2	10	Low	18650	1855	64QAM	8.9554	9.6788	PASS
B2	10	Mid	18900	1880	QPSK	8.9536	9.6582	PASS
B2	10	Mid	18900	1880	16QAM	8.9495	9.5765	PASS
B2	10	Mid	18900	1880	64QAM	8.9613	9.7036	PASS



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B2	10	High	19150	1905	QPSK	8.9821	9.6011	PASS
B2	10	High	19150	1905	16QAM	8.9582	9.6488	PASS
B2	10	High	19150	1905	64QAM	8.9595	9.6471	PASS
B2	15	Low	18675	1857.5	QPSK	13.480	16.357	PASS
B2	15	Low	18675	1857.5	16QAM	13.415	15.239	PASS
B2	15	Low	18675	1857.5	64QAM	13.414	14.477	PASS
B2	15	Mid	18900	1880	QPSK	13.465	14.365	PASS
B2	15	Mid	18900	1880	16QAM	13.437	14.794	PASS
B2	15	Mid	18900	1880	64QAM	13.419	14.427	PASS
B2	15	High	19125	1902.5	QPSK	13.422	14.363	PASS
B2	15	High	19125	1902.5	16QAM	13.429	14.492	PASS
B2	15	High	19125	1902.5	64QAM	13.399	14.387	PASS
B2	20	Low	18700	1860	QPSK	17.878	19.445	PASS
B2	20	Low	18700	1860	16QAM	17.905	20.512	PASS
B2	20	Low	18700	1860	64QAM	17.906	19.076	PASS
B2	20	Mid	18900	1880	QPSK	17.903	19.230	PASS
B2	20	Mid	18900	1880	16QAM	17.912	19.083	PASS
B2	20	Mid	18900	1880	64QAM	17.912	20.078	PASS
B2	20	High	19100	1900	QPSK	17.877	19.101	PASS
B2	20	High	19100	1900	16QAM	17.885	19.120	PASS
B2	20	High	19100	1900	64QAM	17.866	19.146	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B4	1.4	Low	19957	1710.7	QPSK	1.0984	1.2655	PASS
B4	1.4	Low	19957	1710.7	16QAM	1.1045	1.2917	PASS
B4	1.4	Low	19957	1710.7	64QAM	1.1011	1.3182	PASS
B4	1.4	Mid	20175	1732.5	QPSK	1.0962	1.2747	PASS
B4	1.4	Mid	20175	1732.5	16QAM	1.1008	1.3007	PASS
B4	1.4	Mid	20175	1732.5	64QAM	1.1011	1.3048	PASS
B4	1.4	High	20393	1754.3	QPSK	1.0931	1.2664	PASS
B4	1.4	High	20393	1754.3	16QAM	1.1036	1.3074	PASS
B4	1.4	High	20393	1754.3	64QAM	1.1027	1.3010	PASS
B4	3	Low	19965	1711.5	QPSK	2.6931	2.9269	PASS
B4	3	Low	19965	1711.5	16QAM	2.6905	2.9224	PASS
B4	3	Low	19965	1711.5	64QAM	2.7013	2.9253	PASS
B4	3	Mid	20175	1732.5	QPSK	2.6910	2.9204	PASS
B4	3	Mid	20175	1732.5	16QAM	2.6896	2.9266	PASS
B4	3	Mid	20175	1732.5	64QAM	2.6966	2.9124	PASS
B4	3	High	20385	1753.5	QPSK	2.6910	2.9343	PASS
B4	3	High	20385	1753.5	16QAM	2.6927	2.9307	PASS
B4	3	High	20385	1753.5	64QAM	2.7014	2.9076	PASS
B4	5	Low	19975	1712.5	QPSK	4.4839	4.9057	PASS
B4	5	Low	19975	1712.5	16QAM	4.4897	4.9003	PASS
B4	5	Low	19975	1712.5	64QAM	4.4897	4.8715	PASS
B4	5	Mid	20175	1732.5	QPSK	4.4810	4.8779	PASS
B4	5	Mid	20175	1732.5	16QAM	4.4818	4.8820	PASS
B4	5	Mid	20175	1732.5	64QAM	4.4961	4.8785	PASS
B4	5	High	20375	1752.5	QPSK	4.4836	4.8632	PASS
B4	5	High	20375	1752.5	16QAM	4.4892	4.8565	PASS
B4	5	High	20375	1752.5	64QAM	4.4851	4.8595	PASS
B4	10	Low	20000	1715	QPSK	8.9645	9.6693	PASS
B4	10	Low	20000	1715	16QAM	8.9649	9.5909	PASS
B4	10	Low	20000	1715	64QAM	8.9532	9.6349	PASS
B4	10	Mid	20175	1732.5	QPSK	8.9969	9.6274	PASS
B4	10	Mid	20175	1732.5	16QAM	8.9540	9.6494	PASS
B4	10	Mid	20175	1732.5	64QAM	8.9667	9.6710	PASS
B4	10	High	20350	1750	QPSK	8.9662	9.6087	PASS
B4	10	High	20350	1750	16QAM	8.9599	9.5980	PASS



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B4	10	High	20350	1750	64QAM	8.9577	9.6588	PASS
B4	15	Low	20025	1717.5	QPSK	13.450	14.415	PASS
B4	15	Low	20025	1717.5	16QAM	13.444	14.435	PASS
B4	15	Low	20025	1717.5	64QAM	13.439	14.491	PASS
B4	15	Mid	20175	1732.5	QPSK	13.449	14.611	PASS
B4	15	Mid	20175	1732.5	16QAM	13.437	14.407	PASS
B4	15	Mid	20175	1732.5	64QAM	13.431	14.461	PASS
B4	15	High	20325	1747.5	QPSK	13.442	14.524	PASS
B4	15	High	20325	1747.5	16QAM	13.439	14.487	PASS
B4	15	High	20325	1747.5	64QAM	13.414	14.489	PASS
B4	20	Low	20050	1720	QPSK	17.915	19.087	PASS
B4	20	Low	20050	1720	16QAM	17.937	19.110	PASS
B4	20	Low	20050	1720	64QAM	17.908	19.309	PASS
B4	20	Mid	20175	1732.5	QPSK	17.891	19.195	PASS
B4	20	Mid	20175	1732.5	16QAM	17.894	19.236	PASS
B4	20	Mid	20175	1732.5	64QAM	17.931	19.141	PASS
B4	20	High	20300	1745	QPSK	17.910	19.115	PASS
B4	20	High	20300	1745	16QAM	17.907	19.081	PASS
B4	20	High	20300	1745	64QAM	17.911	19.149	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	1.0933	1.2735	PASS
B5	1.4	Low	20407	824.7	16QAM	1.1001	1.2948	PASS
B5	1.4	Low	20407	824.7	64QAM	1.0997	1.3086	PASS
B5	1.4	Mid	20525	836.5	QPSK	1.0973	1.2688	PASS
B5	1.4	Mid	20525	836.5	16QAM	1.0999	1.2838	PASS
B5	1.4	Mid	20525	836.5	64QAM	1.1014	1.3294	PASS
B5	1.4	High	20643	848.3	QPSK	1.0935	1.2668	PASS
B5	1.4	High	20643	848.3	16QAM	1.0989	1.3107	PASS
B5	1.4	High	20643	848.3	64QAM	1.1014	1.3021	PASS
B5	3	Low	20415	825.5	QPSK	2.6886	2.9215	PASS
B5	3	Low	20415	825.5	16QAM	2.6930	2.9285	PASS
B5	3	Low	20415	825.5	64QAM	2.6960	2.9181	PASS
B5	3	Mid	20525	836.5	QPSK	2.6914	2.9086	PASS
B5	3	Mid	20525	836.5	16QAM	2.6839	2.9408	PASS
B5	3	Mid	20525	836.5	64QAM	2.6966	2.9225	PASS
B5	3	High	20635	847.5	QPSK	2.6901	2.9335	PASS
B5	3	High	20635	847.5	16QAM	2.6838	2.9226	PASS
B5	3	High	20635	847.5	64QAM	2.6964	2.9209	PASS
B5	5	Low	20425	826.5	QPSK	4.4799	4.9174	PASS
B5	5	Low	20425	826.5	16QAM	4.4863	4.8364	PASS
B5	5	Low	20425	826.5	64QAM	4.4868	4.8718	PASS
B5	5	Mid	20525	836.5	QPSK	4.4846	4.8668	PASS
B5	5	Mid	20525	836.5	16QAM	4.4827	4.8828	PASS
B5	5	Mid	20525	836.5	64QAM	4.4899	4.8621	PASS
B5	5	High	20625	846.5	QPSK	4.4761	4.9151	PASS
B5	5	High	20625	846.5	16QAM	4.4844	4.8535	PASS
B5	5	High	20625	846.5	64QAM	4.4968	4.8559	PASS
B5	10	Low	20450	829	QPSK	8.9560	9.6374	PASS
B5	10	Low	20450	829	16QAM	8.9556	9.6179	PASS
B5	10	Low	20450	829	64QAM	8.9648	9.7340	PASS
B5	10	Mid	20525	836.5	QPSK	8.9748	9.6413	PASS
B5	10	Mid	20525	836.5	16QAM	8.9661	9.6124	PASS
B5	10	Mid	20525	836.5	64QAM	8.9617	9.7268	PASS
B5	10	High	20600	844	QPSK	8.9773	9.6345	PASS
B5	10	High	20600	844	16QAM	8.9338	9.5863	PASS



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B5	10	High	20600	844	64QAM	8.9639	9.7106	PASS
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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	1.0939	1.2921	PASS
B12	1.4	Low	23017	699.7	16QAM	1.1023	1.2999	PASS
B12	1.4	Low	23017	699.7	64QAM	1.1001	1.3062	PASS
B12	1.4	Mid	23095	707.5	QPSK	1.0960	1.2789	PASS
B12	1.4	Mid	23095	707.5	16QAM	1.1009	1.2831	PASS
B12	1.4	Mid	23095	707.5	64QAM	1.1009	1.2926	PASS
B12	1.4	High	23173	715.3	QPSK	1.1071	1.7510	PASS
B12	1.4	High	23173	715.3	16QAM	1.1103	1.6499	PASS
B12	1.4	High	23173	715.3	64QAM	1.1098	1.4284	PASS
B12	3	Low	23025	700.5	QPSK	2.6862	2.9275	PASS
B12	3	Low	23025	700.5	16QAM	2.6922	2.9273	PASS
B12	3	Low	23025	700.5	64QAM	2.6984	2.9220	PASS
B12	3	Mid	23095	707.5	QPSK	2.6922	2.9210	PASS
B12	3	Mid	23095	707.5	16QAM	2.6973	2.9252	PASS
B12	3	Mid	23095	707.5	64QAM	2.6989	2.9129	PASS
B12	3	High	23165	714.5	QPSK	2.7045	3.3918	PASS
B12	3	High	23165	714.5	16QAM	2.6979	3.3002	PASS
B12	3	High	23165	714.5	64QAM	2.7053	3.2052	PASS
B12	5	Low	23035	701.5	QPSK	4.4954	5.1469	PASS
B12	5	Low	23035	701.5	16QAM	4.4957	5.0576	PASS
B12	5	Low	23035	701.5	64QAM	4.5007	5.0960	PASS
B12	5	Mid	23095	707.5	QPSK	4.4946	5.2348	PASS
B12	5	Mid	23095	707.5	16QAM	4.4979	5.1660	PASS
B12	5	Mid	23095	707.5	64QAM	4.5113	5.1241	PASS
B12	5	High	23155	713.5	QPSK	4.5044	5.3090	PASS
B12	5	High	23155	713.5	16QAM	4.5041	5.1665	PASS
B12	5	High	23155	713.5	64QAM	4.5109	5.1068	PASS
B12	10	Low	23060	704	QPSK	8.9943	9.9484	PASS
B12	10	Low	23060	704	16QAM	8.9647	9.8842	PASS
B12	10	Low	23060	704	64QAM	8.9653	10.0064	PASS
B12	10	Mid	23095	707.5	QPSK	9.0172	10.1594	PASS
B12	10	Mid	23095	707.5	16QAM	8.9760	9.8711	PASS
B12	10	Mid	23095	707.5	64QAM	9.0041	10.1054	PASS



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B12	10	High	23130	711	QPSK	8.9795	10.1213	PASS
B12	10	High	23130	711	16QAM	8.9727	9.7295	PASS
B12	10	High	23130	711	64QAM	8.9720	9.9871	PASS

LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B13	5	Low	23205	779.5	QPSK	4.4929	5.1981	PASS
B13	5	Low	23205	779.5	16QAM	4.4999	5.1534	PASS
B13	5	Low	23205	779.5	64QAM	4.4918	5.0206	PASS
B13	5	Mid	23230	782	QPSK	4.4921	5.1399	PASS
B13	5	Mid	23230	782	16QAM	4.4872	5.0994	PASS
B13	5	Mid	23230	782	64QAM	4.5028	5.1123	PASS
B13	5	High	23255	784.5	QPSK	4.4975	5.1635	PASS
B13	5	High	23255	784.5	16QAM	4.4945	5.1338	PASS
B13	5	High	23255	784.5	64QAM	4.5067	5.0728	PASS
B13	10	Mid	23230	782	QPSK	8.9756	9.8040	PASS
B13	10	Mid	23230	782	16QAM	8.9450	9.8756	PASS
B13	10	Mid	23230	782	64QAM	8.9594	9.8232	PASS

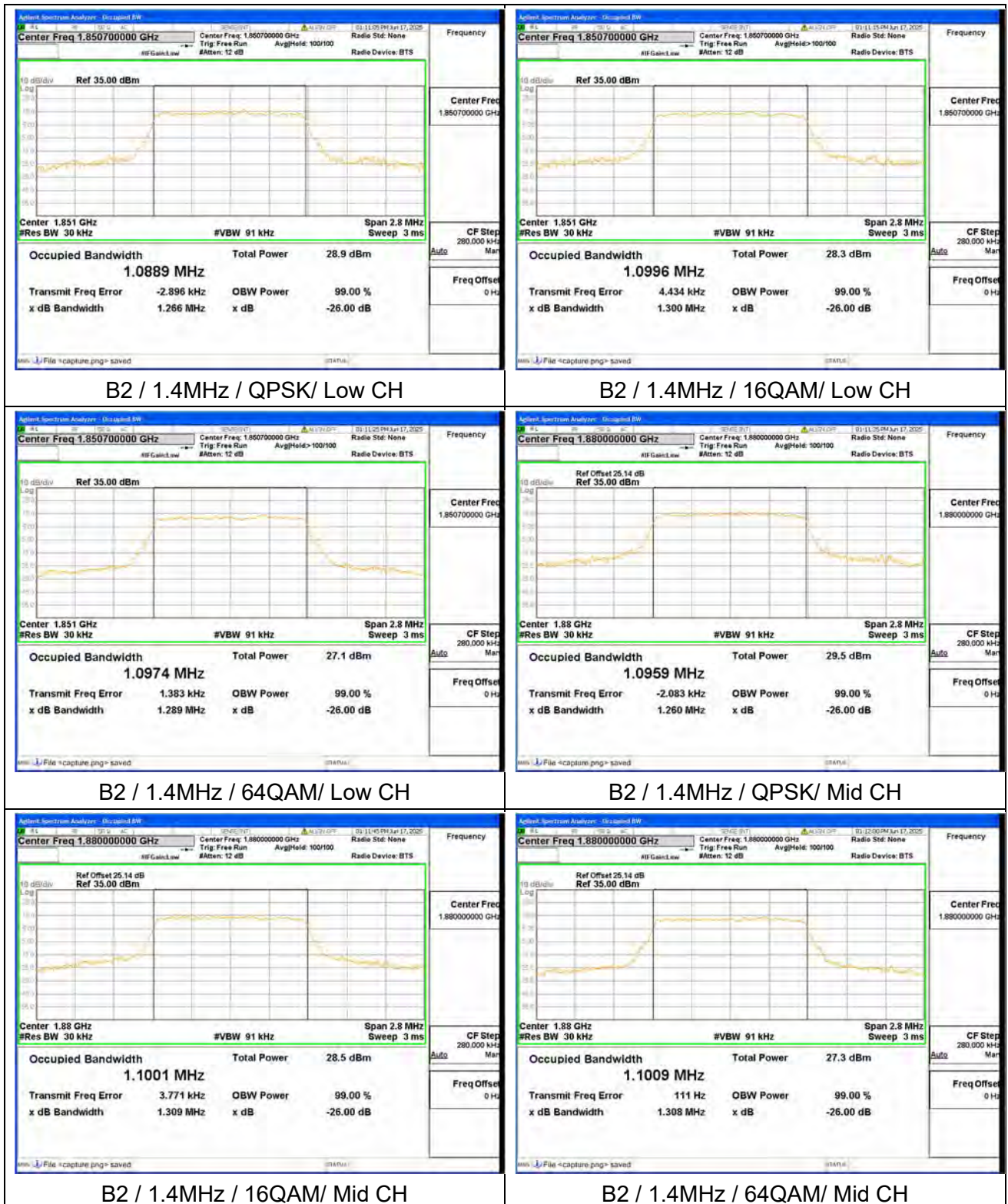


LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B66	1.4	Low	131979	1710.7	QPSK	1.0965	1.2682	PASS
B66	1.4	Low	131979	1710.7	16QAM	1.1031	1.3103	PASS
B66	1.4	Low	131979	1710.7	64QAM	1.1012	1.3072	PASS
B66	1.4	Mid	132322	1745	QPSK	1.0937	1.2739	PASS
B66	1.4	Mid	132322	1745	16QAM	1.1018	1.3028	PASS
B66	1.4	Mid	132322	1745	64QAM	1.1003	1.2974	PASS
B66	1.4	High	132665	1779.3	QPSK	1.0949	1.2667	PASS
B66	1.4	High	132665	1779.3	16QAM	1.0971	1.2862	PASS
B66	1.4	High	132665	1779.3	64QAM	1.0979	1.3123	PASS
B66	3	Low	131987	1711.5	QPSK	2.6890	2.9027	PASS
B66	3	Low	131987	1711.5	16QAM	2.6942	2.9299	PASS
B66	3	Low	131987	1711.5	64QAM	2.6938	2.9219	PASS
B66	3	Mid	132322	1745	QPSK	2.6896	2.9131	PASS
B66	3	Mid	132322	1745	16QAM	2.6898	2.9173	PASS
B66	3	Mid	132322	1745	64QAM	2.6883	2.9171	PASS
B66	3	High	132657	1778.5	QPSK	2.6895	2.9227	PASS
B66	3	High	132657	1778.5	16QAM	2.6894	2.9235	PASS
B66	3	High	132657	1778.5	64QAM	2.6968	2.9227	PASS
B66	5	Low	131997	1712.5	QPSK	4.4966	5.1543	PASS
B66	5	Low	131997	1712.5	16QAM	4.5024	5.1509	PASS
B66	5	Low	131997	1712.5	64QAM	4.5054	5.0480	PASS
B66	5	Mid	132322	1745	QPSK	4.4977	5.1536	PASS
B66	5	Mid	132322	1745	16QAM	4.5036	5.0526	PASS
B66	5	Mid	132322	1745	64QAM	4.5044	5.1105	PASS
B66	5	High	132647	1777.5	QPSK	4.4935	5.1838	PASS
B66	5	High	132647	1777.5	16QAM	4.4954	5.1669	PASS
B66	5	High	132647	1777.5	64QAM	4.5070	5.0489	PASS
B66	10	Low	132022	1715	QPSK	8.9838	10.0974	PASS
B66	10	Low	132022	1715	16QAM	8.9610	9.9922	PASS
B66	10	Low	132022	1715	64QAM	8.9888	10.0095	PASS
B66	10	Mid	132322	1745	QPSK	9.0066	9.9987	PASS
B66	10	Mid	132322	1745	16QAM	8.9665	9.8223	PASS
B66	10	Mid	132322	1745	64QAM	8.9605	9.8858	PASS
B66	10	High	132622	1775	QPSK	8.9923	9.9484	PASS
B66	10	High	132622	1775	16QAM	8.9576	9.8019	PASS



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B66	10	High	132622	1775	64QAM	8.9846	9.8801	PASS
B66	15	Low	132047	1717.5	QPSK	13.462	14.846	PASS
B66	15	Low	132047	1717.5	16QAM	13.464	14.813	PASS
B66	15	Low	132047	1717.5	64QAM	13.435	14.795	PASS
B66	15	Mid	132322	1745	QPSK	13.453	14.799	PASS
B66	15	Mid	132322	1745	16QAM	13.437	14.863	PASS
B66	15	Mid	132322	1745	64QAM	13.434	14.955	PASS
B66	15	High	132597	1772.5	QPSK	13.478	14.796	PASS
B66	15	High	132597	1772.5	16QAM	13.441	14.993	PASS
B66	15	High	132597	1772.5	64QAM	13.440	14.903	PASS
B66	20	Low	132072	1720	QPSK	17.904	19.656	PASS
B66	20	Low	132072	1720	16QAM	17.939	19.601	PASS
B66	20	Low	132072	1720	64QAM	17.909	19.455	PASS
B66	20	Mid	132322	1745	QPSK	17.911	19.594	PASS
B66	20	Mid	132322	1745	16QAM	17.941	19.518	PASS
B66	20	Mid	132322	1745	64QAM	17.952	19.684	PASS
B66	20	High	132572	1770	QPSK	17.909	19.472	PASS
B66	20	High	132572	1770	16QAM	17.945	19.526	PASS
B66	20	High	132572	1770	64QAM	17.953	19.579	PASS









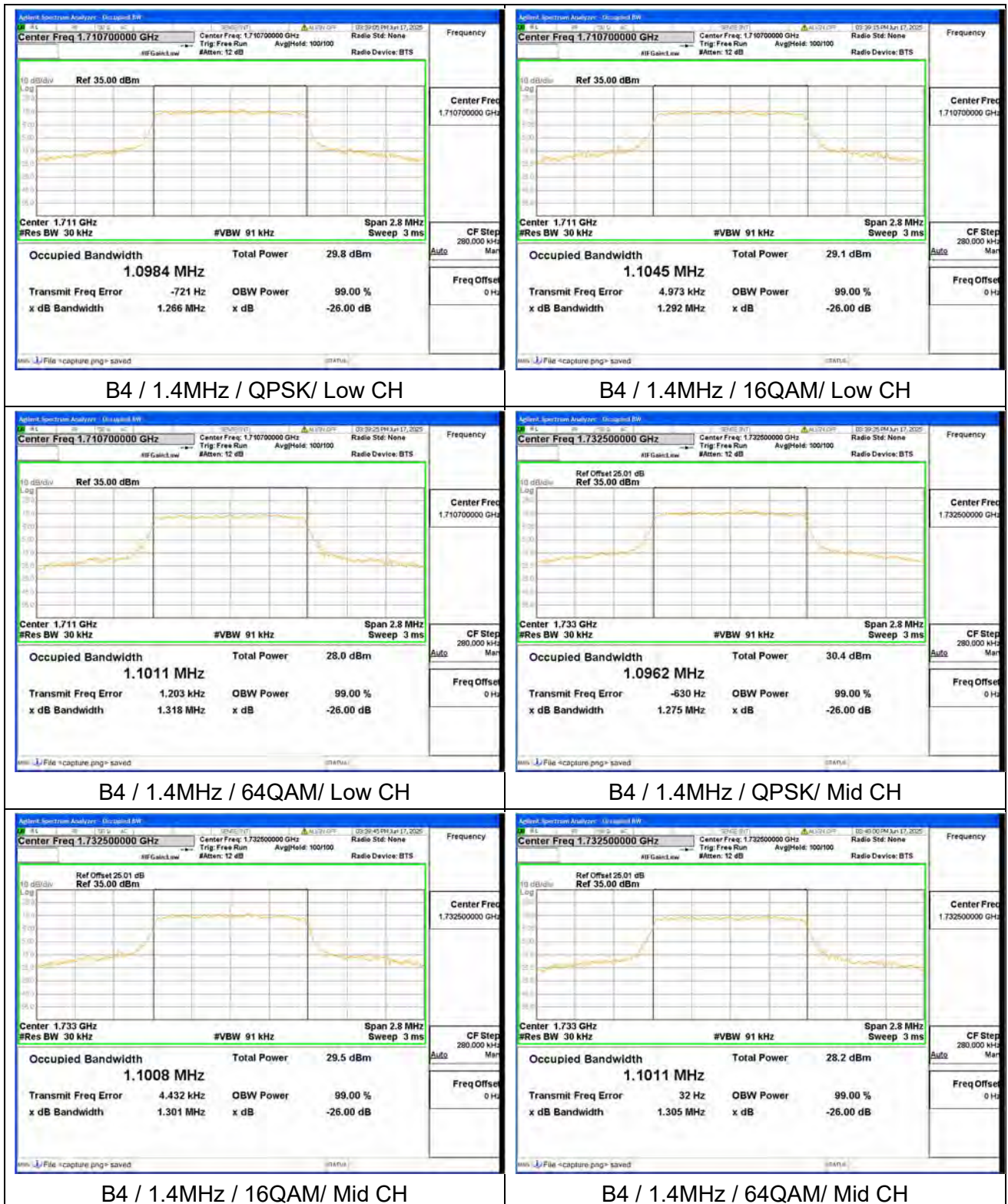


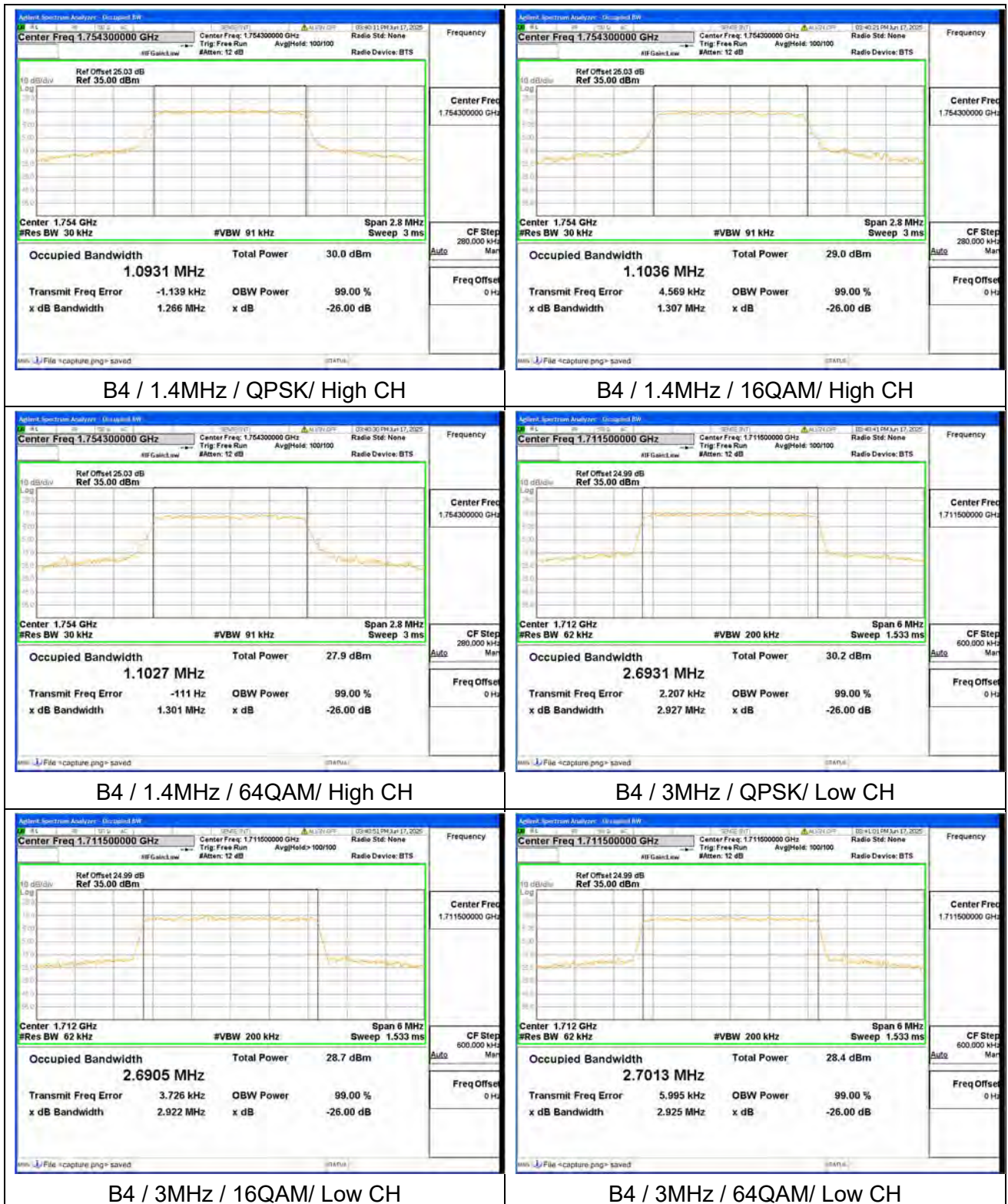
















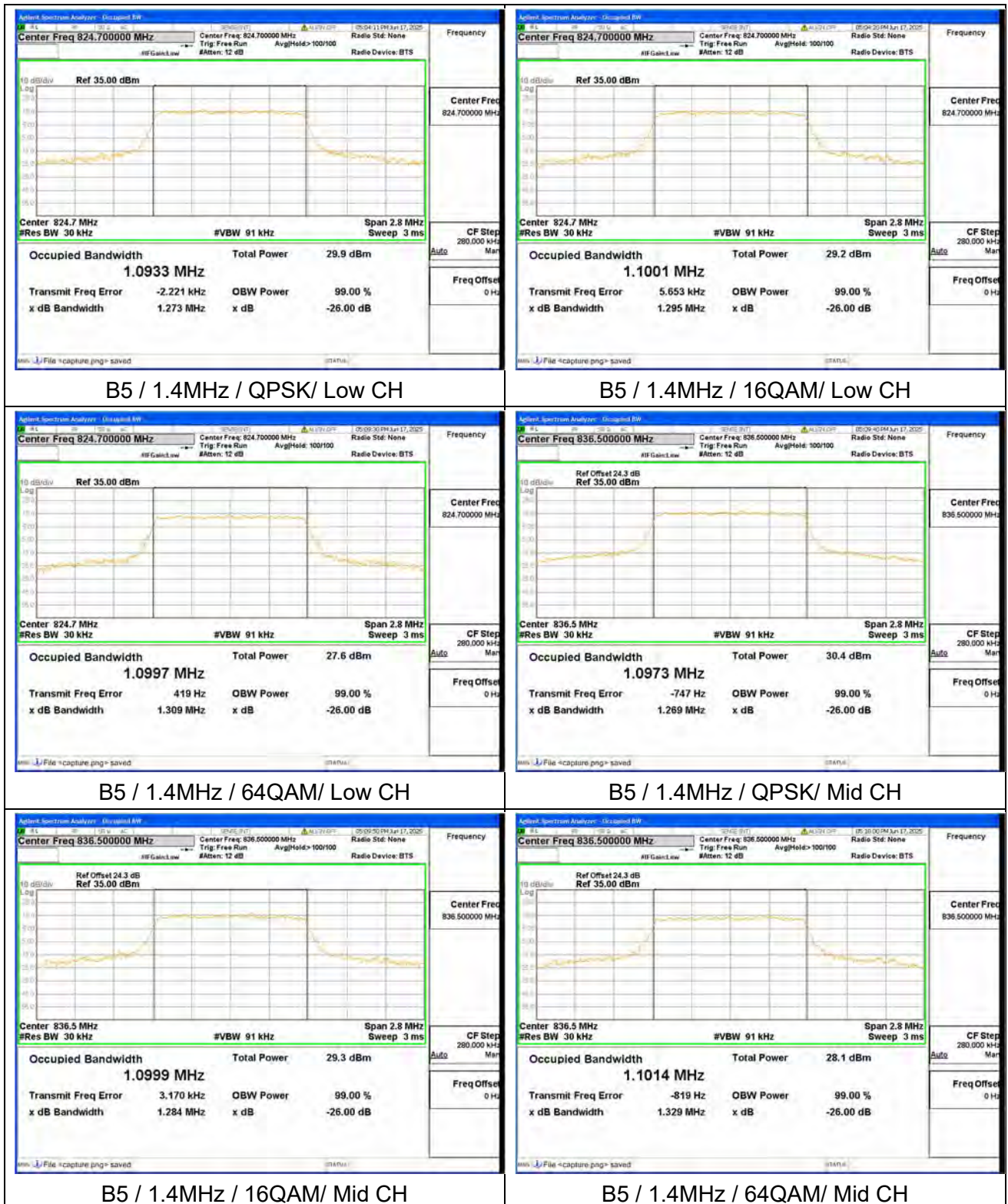












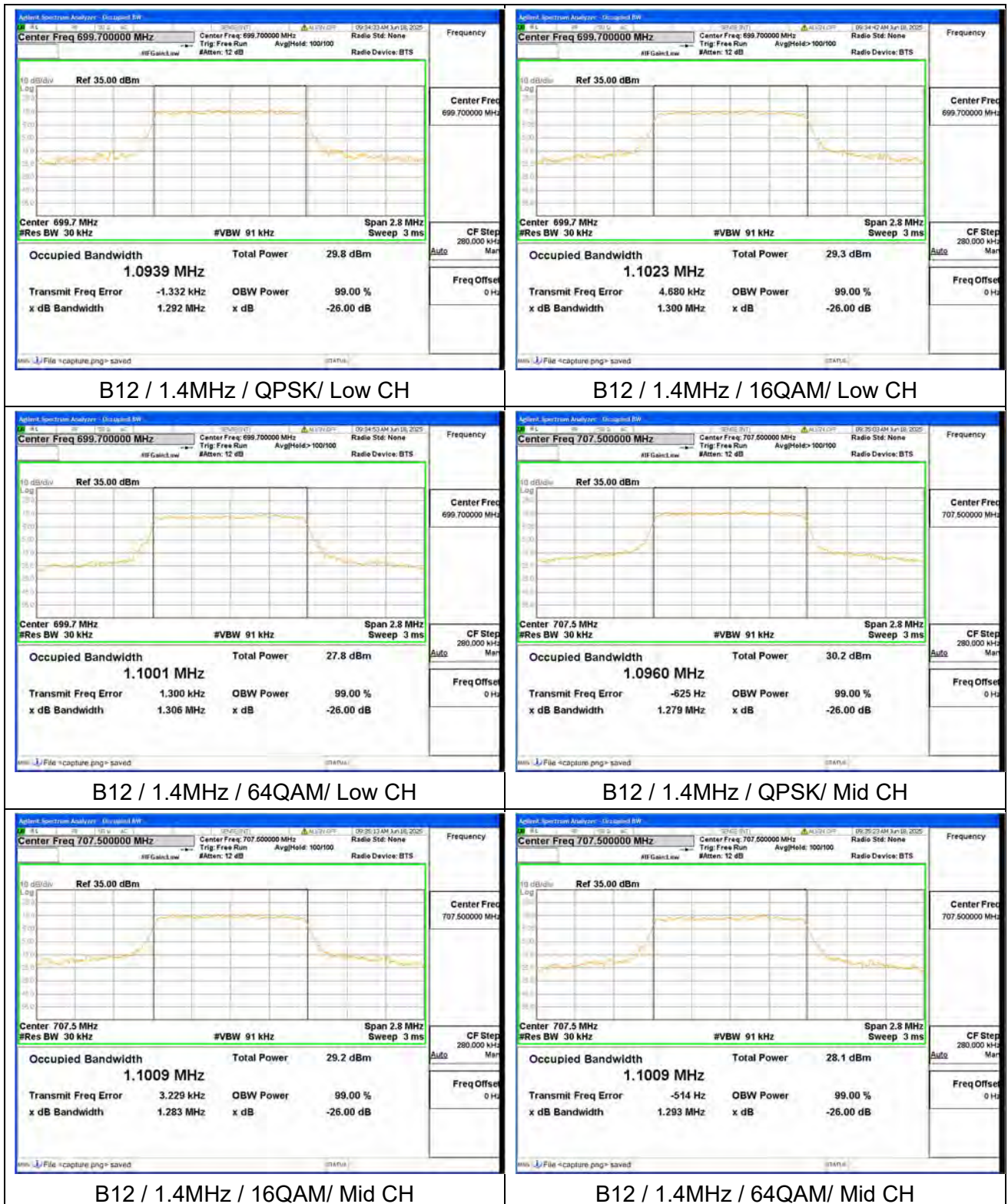


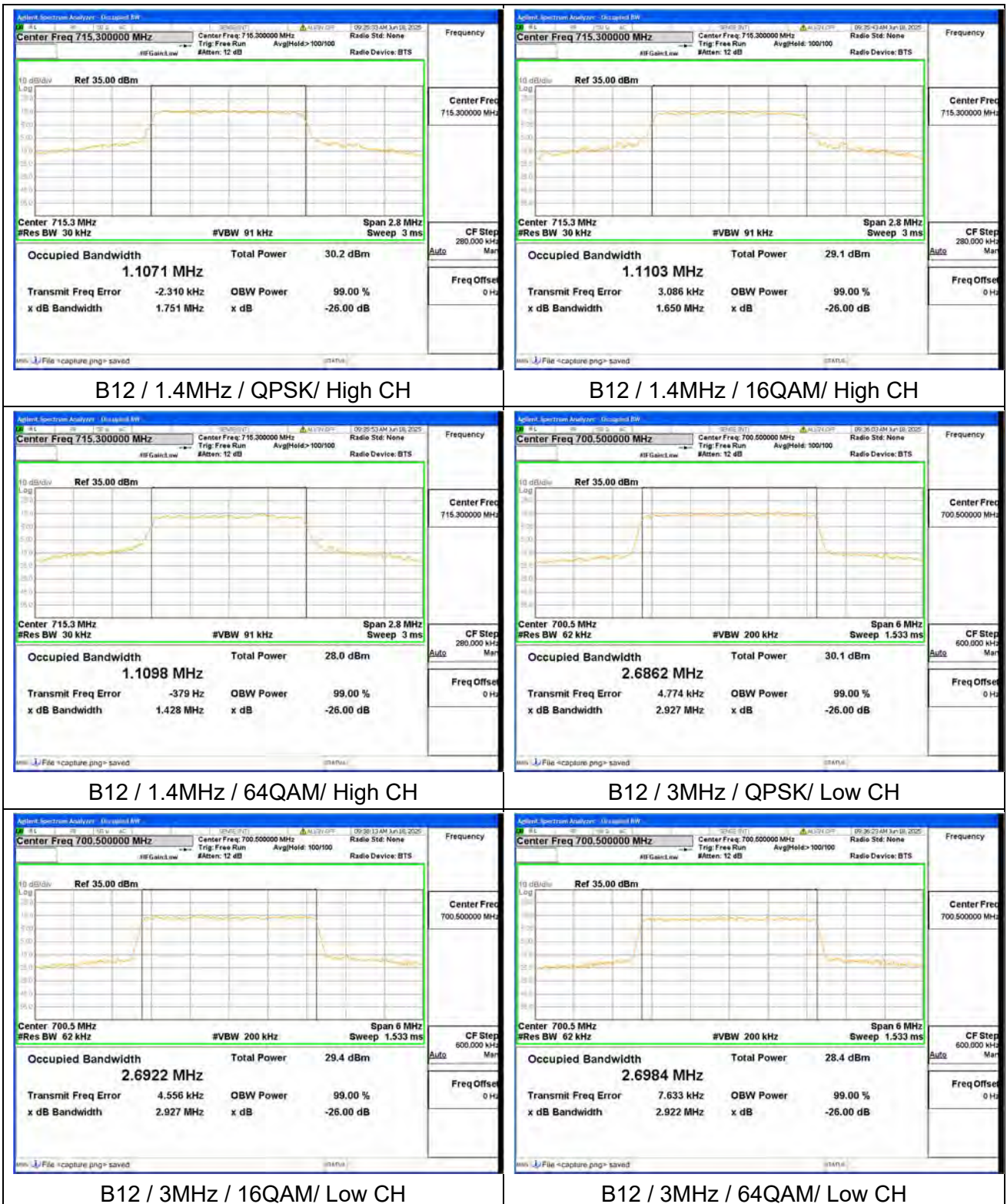




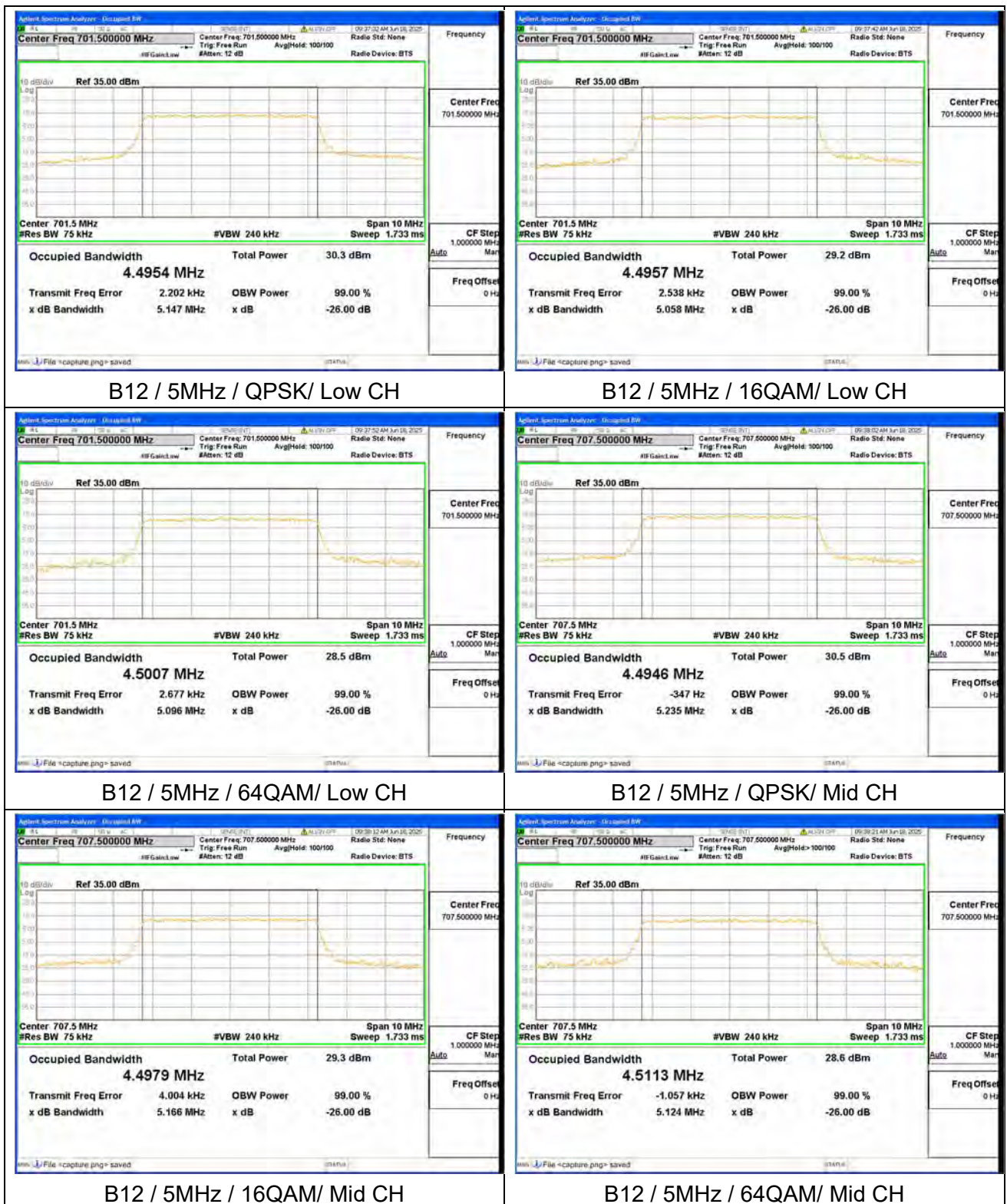


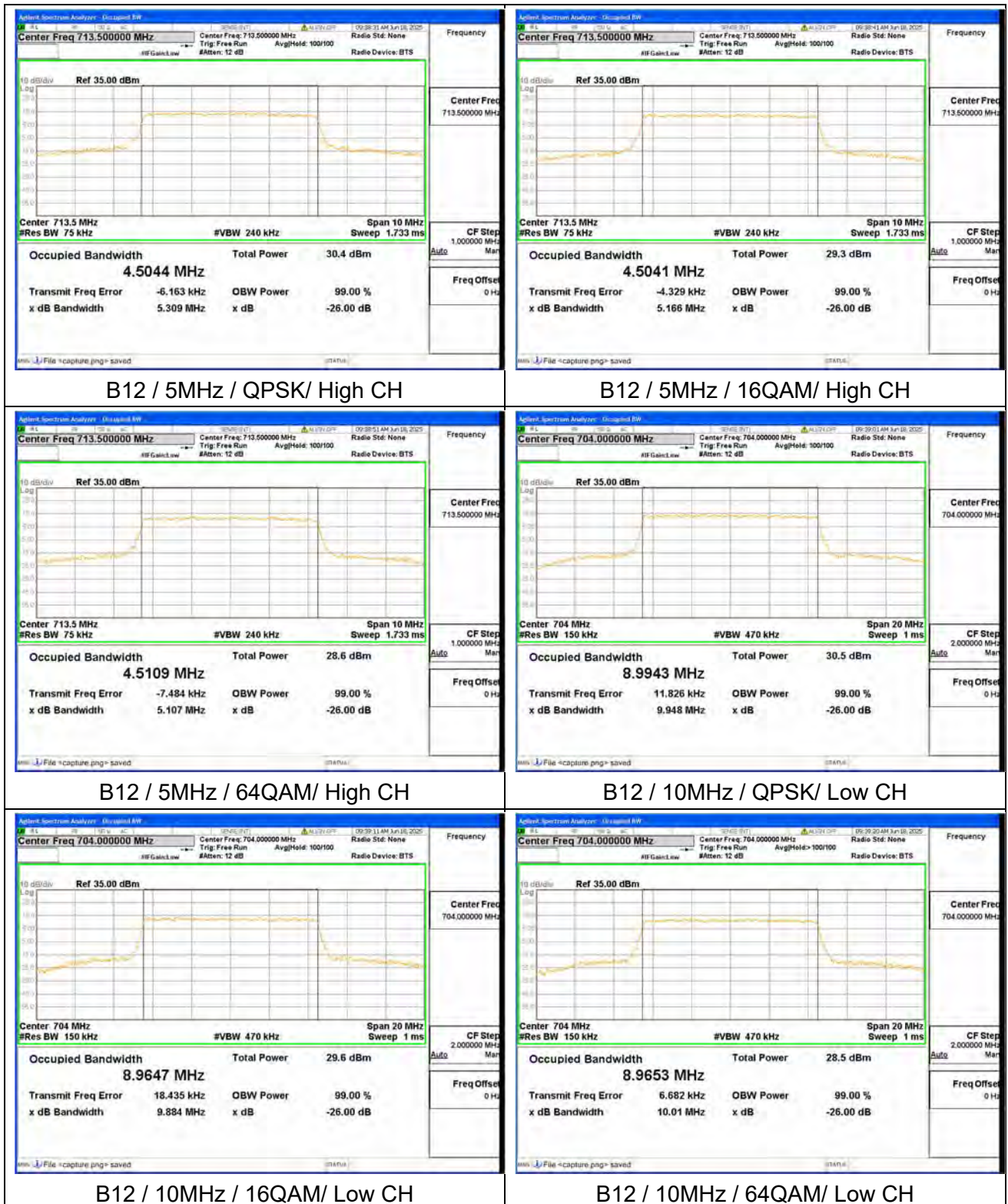


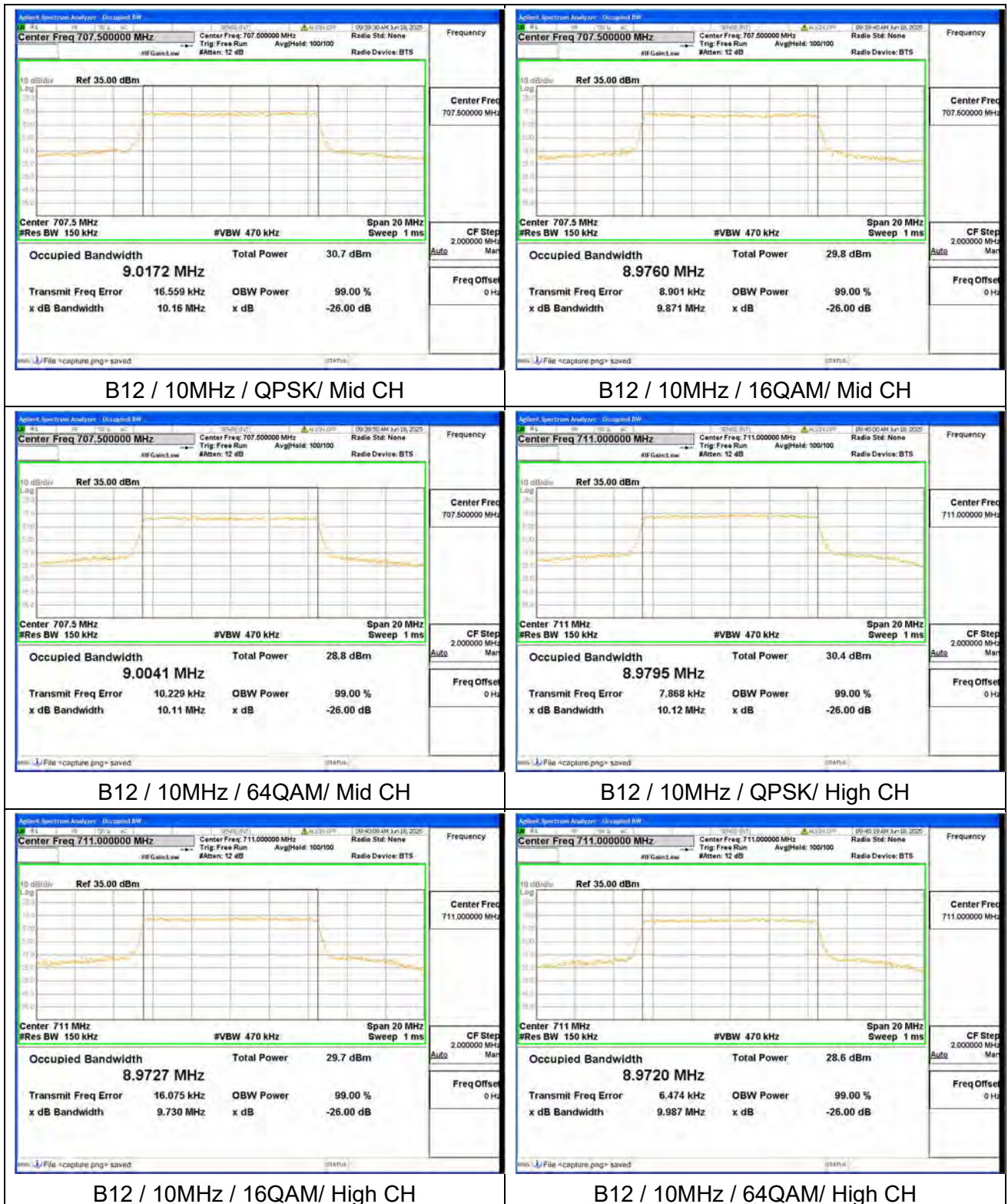


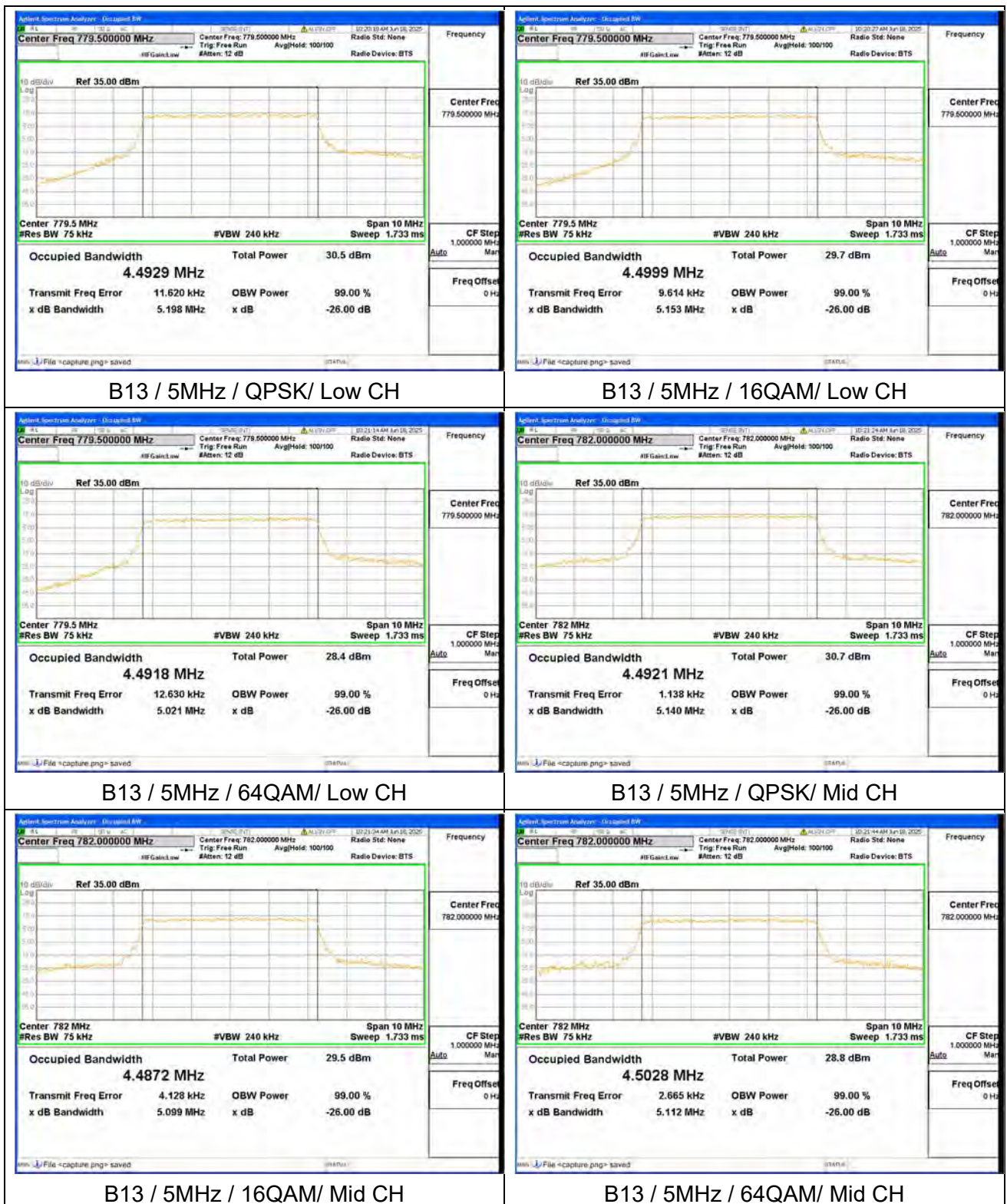
































B66 / 20MHz / QPSK/ Mid CH

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

2.3. Frequency Stability

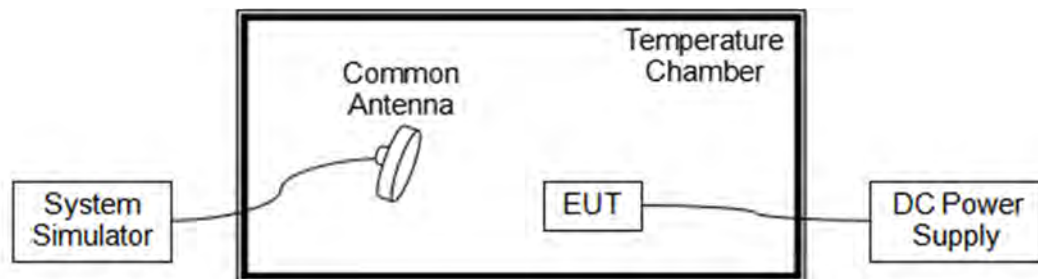
2.3.1. Requirement

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 3.88V, 4.45V and 3.50V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 2, 64QAM, Channel 18900, Frequency 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.88	+20(Ref)	13	0.007	PASS
Normal		-10	13	0.007	
Normal		0	7	0.004	
Normal		+10	17	0.009	
Normal		+20	-12	-0.006	
Normal		+30	15	0.008	
Normal		+40	20	0.011	
Normal		+50	15	0.008	
Normal		+55	-9	-0.005	
High	4.45	+20	14	0.007	PASS
BATT.ENDPOINT	3.50	+20	20	0.011	

LTE Band 4, 64QAM, Channel 20175, Frequency 1732.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.88	+20(Ref)	8	0.005	PASS
Normal		-10	19	0.011	
Normal		0	18	0.010	
Normal		+10	17	0.010	
Normal		+20	20	0.012	
Normal		+30	1	0.001	
Normal		+40	19	0.011	
Normal		+50	16	0.009	
Normal		+55	13	0.008	
High	4.45	+20	1	0.001	PASS
BATT.ENDPOINT	3.50	+20	19	0.011	



LTE Band 5, 64QAM, Channel 20525, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.88	+20(Ref)	17	0.020	PASS
Normal		-10	-21	-0.025	
Normal		0	11	0.013	
Normal		+10	16	0.019	
Normal		+20	19	0.023	
Normal		+30	-12	-0.014	
Normal		+40	15	0.018	
Normal		+50	16	0.019	
Normal		+55	13	0.016	
High	4.45	+20	15	0.018	PASS
BATT.ENDPOINT	3.50	+20	4	0.005	

LTE Band 12, 64QAM, Channel 23095, Frequency 707.5MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.88	+20(Ref)	17	0.020	PASS
Normal		-10	-21	-0.025	
Normal		0	11	0.013	
Normal		+10	16	0.019	
Normal		+20	19	0.023	
Normal		+30	-12	-0.014	
Normal		+40	15	0.018	
Normal		+50	16	0.019	
Normal		+55	13	0.016	
High	4.45	+20	15	0.018	PASS
BATT.ENDPOINT	3.50	+20	4	0.005	



LTE Band 13, 64QAM, Channel 23230, Frequency 782MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.88	+20(Ref)	15	0.019	PASS
Normal		-10	20	0.026	
Normal		0	13	0.017	
Normal		+10	20	0.026	
Normal		+20	-14	-0.018	
Normal		+30	21	0.027	
Normal		+40	-21	-0.027	
Normal		+50	2	0.003	
Normal		+55	20	0.026	
High	4.45	+20	18	0.023	PASS
BATT.ENDPOINT	3.50	+20	19	0.024	

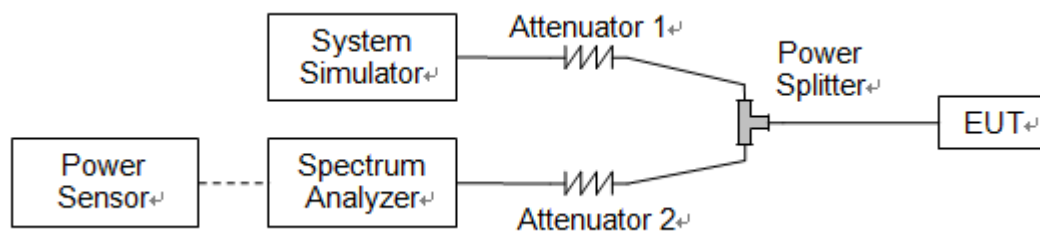
LTE Band 66, 64QAM, Channel 132322, Frequency 1745MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.88	+20(Ref)	-12	-0.007	PASS
Normal		-10	16	0.009	
Normal		0	20	0.011	
Normal		+10	18	0.010	
Normal		+20	-20	-0.011	
Normal		+30	9	0.005	
Normal		+40	19	0.011	
Normal		+50	15	0.009	
Normal		+55	15	0.009	
High	4.45	+20	-23	-0.013	PASS
BATT.ENDPOINT	3.50	+20	14	0.008	

2.4. Peak to Average Ratio

2.4.1. Requirement

According to FCC section 24.232(d), 27.50(d) and 27.50(j)(4), 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	5.13	PASS
B2	1.4	Low	18607	1850.7	16QAM	5.88	PASS
B2	1.4	Low	18607	1850.7	64QAM	5.96	PASS
B2	1.4	Mid	18900	1880	QPSK	4.78	PASS
B2	1.4	Mid	18900	1880	16QAM	5.54	PASS
B2	1.4	Mid	18900	1880	64QAM	5.90	PASS
B2	1.4	High	19193	1909.3	QPSK	4.02	PASS
B2	1.4	High	19193	1909.3	16QAM	4.83	PASS
B2	1.4	High	19193	1909.3	64QAM	5.26	PASS
B2	3	Low	18615	1851.5	QPSK	5.16	PASS
B2	3	Low	18615	1851.5	16QAM	5.94	PASS
B2	3	Low	18615	1851.5	64QAM	5.99	PASS
B2	3	Mid	18900	1880	QPSK	4.91	PASS
B2	3	Mid	18900	1880	16QAM	5.72	PASS
B2	3	Mid	18900	1880	64QAM	5.91	PASS
B2	3	High	19185	1908.5	QPSK	4.12	PASS
B2	3	High	19185	1908.5	16QAM	5.00	PASS
B2	3	High	19185	1908.5	64QAM	5.15	PASS
B2	5	Low	18625	1852.5	QPSK	5.33	PASS
B2	5	Low	18625	1852.5	16QAM	6.01	PASS
B2	5	Low	18625	1852.5	64QAM	6.20	PASS
B2	5	Mid	18900	1880	QPSK	5.34	PASS
B2	5	Mid	18900	1880	16QAM	5.97	PASS
B2	5	Mid	18900	1880	64QAM	6.08	PASS
B2	5	High	19175	1907.5	QPSK	4.57	PASS
B2	5	High	19175	1907.5	16QAM	5.32	PASS
B2	5	High	19175	1907.5	64QAM	5.56	PASS
B2	10	Low	18650	1855	QPSK	5.24	PASS
B2	10	Low	18650	1855	16QAM	5.90	PASS
B2	10	Low	18650	1855	64QAM	6.09	PASS
B2	10	Mid	18900	1880	QPSK	5.38	PASS



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B2	10	Mid	18900	1880	16QAM	5.99	PASS
B2	10	Mid	18900	1880	64QAM	6.16	PASS
B2	10	High	19150	1905	QPSK	4.67	PASS
B2	10	High	19150	1905	16QAM	5.37	PASS
B2	10	High	19150	1905	64QAM	5.58	PASS
B2	15	Low	18675	1857.5	QPSK	5.13	PASS
B2	15	Low	18675	1857.5	16QAM	5.86	PASS
B2	15	Low	18675	1857.5	64QAM	6.01	PASS
B2	15	Mid	18900	1880	QPSK	5.14	PASS
B2	15	Mid	18900	1880	16QAM	5.81	PASS
B2	15	Mid	18900	1880	64QAM	5.98	PASS
B2	15	High	19125	1902.5	QPSK	4.61	PASS
B2	15	High	19125	1902.5	16QAM	5.35	PASS
B2	15	High	19125	1902.5	64QAM	5.54	PASS
B2	20	Low	18700	1860	QPSK	5.22	PASS
B2	20	Low	18700	1860	16QAM	5.93	PASS
B2	20	Low	18700	1860	64QAM	6.05	PASS
B2	20	Mid	18900	1880	QPSK	5.24	PASS
B2	20	Mid	18900	1880	16QAM	5.91	PASS
B2	20	Mid	18900	1880	64QAM	6.09	PASS
B2	20	High	19100	1900	QPSK	4.84	PASS
B2	20	High	19100	1900	16QAM	5.62	PASS
B2	20	High	19100	1900	64QAM	5.86	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	3.97	PASS
B4	1.4	Low	19957	1710.7	16QAM	4.79	PASS
B4	1.4	Low	19957	1710.7	64QAM	5.17	PASS
B4	1.4	Mid	20175	1732.5	QPSK	4.13	PASS
B4	1.4	Mid	20175	1732.5	16QAM	4.97	PASS
B4	1.4	Mid	20175	1732.5	64QAM	5.29	PASS
B4	1.4	High	20393	1754.3	QPSK	4.36	PASS
B4	1.4	High	20393	1754.3	16QAM	5.24	PASS
B4	1.4	High	20393	1754.3	64QAM	5.35	PASS
B4	3	Low	19965	1711.5	QPSK	4.33	PASS
B4	3	Low	19965	1711.5	16QAM	5.22	PASS
B4	3	Low	19965	1711.5	64QAM	5.45	PASS
B4	3	Mid	20175	1732.5	QPSK	4.37	PASS
B4	3	Mid	20175	1732.5	16QAM	5.27	PASS
B4	3	Mid	20175	1732.5	64QAM	5.45	PASS
B4	3	High	20385	1753.5	QPSK	4.40	PASS
B4	3	High	20385	1753.5	16QAM	5.28	PASS
B4	3	High	20385	1753.5	64QAM	5.55	PASS
B4	5	Low	19975	1712.5	QPSK	4.83	PASS
B4	5	Low	19975	1712.5	16QAM	5.60	PASS
B4	5	Low	19975	1712.5	64QAM	5.82	PASS
B4	5	Mid	20175	1732.5	QPSK	4.82	PASS
B4	5	Mid	20175	1732.5	16QAM	5.55	PASS
B4	5	Mid	20175	1732.5	64QAM	5.76	PASS
B4	5	High	20375	1752.5	QPSK	4.92	PASS
B4	5	High	20375	1752.5	16QAM	5.71	PASS
B4	5	High	20375	1752.5	64QAM	5.86	PASS
B4	10	Low	20000	1715	QPSK	4.88	PASS
B4	10	Low	20000	1715	16QAM	5.64	PASS
B4	10	Low	20000	1715	64QAM	5.82	PASS
B4	10	Mid	20175	1732.5	QPSK	4.87	PASS
B4	10	Mid	20175	1732.5	16QAM	5.62	PASS
B4	10	Mid	20175	1732.5	64QAM	5.81	PASS
B4	10	High	20350	1750	QPSK	4.98	PASS
B4	10	High	20350	1750	16QAM	5.75	PASS



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B4	10	High	20350	1750	64QAM	5.98	PASS
B4	15	Low	20025	1717.5	QPSK	4.53	PASS
B4	15	Low	20025	1717.5	16QAM	5.38	PASS
B4	15	Low	20025	1717.5	64QAM	5.60	PASS
B4	15	Mid	20175	1732.5	QPSK	4.51	PASS
B4	15	Mid	20175	1732.5	16QAM	5.32	PASS
B4	15	Mid	20175	1732.5	64QAM	5.59	PASS
B4	15	High	20325	1747.5	QPSK	4.74	PASS
B4	15	High	20325	1747.5	16QAM	5.58	PASS
B4	15	High	20325	1747.5	64QAM	5.86	PASS
B4	20	Low	20050	1720	QPSK	4.70	PASS
B4	20	Low	20050	1720	16QAM	5.50	PASS
B4	20	Low	20050	1720	64QAM	5.70	PASS
B4	20	Mid	20175	1732.5	QPSK	4.76	PASS
B4	20	Mid	20175	1732.5	16QAM	5.55	PASS
B4	20	Mid	20175	1732.5	64QAM	5.77	PASS
B4	20	High	20300	1745	QPSK	4.99	PASS
B4	20	High	20300	1745	16QAM	5.87	PASS
B4	20	High	20300	1745	64QAM	6.00	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	4.01	PASS
B66	1.4	Low	131979	1710.7	16QAM	4.89	PASS
B66	1.4	Low	131979	1710.7	64QAM	5.27	PASS
B66	1.4	Mid	132322	1745	QPSK	4.37	PASS
B66	1.4	Mid	132322	1745	16QAM	5.22	PASS
B66	1.4	Mid	132322	1745	64QAM	5.56	PASS
B66	1.4	High	132665	1779.3	QPSK	4.92	PASS
B66	1.4	High	132665	1779.3	16QAM	5.67	PASS
B66	1.4	High	132665	1779.3	64QAM	5.81	PASS
B66	3	Low	131987	1711.5	QPSK	4.28	PASS
B66	3	Low	131987	1711.5	16QAM	5.25	PASS
B66	3	Low	131987	1711.5	64QAM	5.43	PASS
B66	3	Mid	132322	1745	QPSK	4.64	PASS
B66	3	Mid	132322	1745	16QAM	5.53	PASS
B66	3	Mid	132322	1745	64QAM	5.75	PASS
B66	3	High	132657	1778.5	QPSK	5.06	PASS
B66	3	High	132657	1778.5	16QAM	5.83	PASS
B66	3	High	132657	1778.5	64QAM	5.91	PASS
B66	5	Low	131997	1712.5	QPSK	4.84	PASS
B66	5	Low	131997	1712.5	16QAM	5.63	PASS
B66	5	Low	131997	1712.5	64QAM	5.79	PASS
B66	5	Mid	132322	1745	QPSK	5.04	PASS
B66	5	Mid	132322	1745	16QAM	5.79	PASS
B66	5	Mid	132322	1745	64QAM	6.00	PASS
B66	5	High	132647	1777.5	QPSK	5.29	PASS
B66	5	High	132647	1777.5	16QAM	5.97	PASS
B66	5	High	132647	1777.5	64QAM	6.15	PASS
B66	10	Low	132022	1715	QPSK	4.93	PASS
B66	10	Low	132022	1715	16QAM	5.65	PASS
B66	10	Low	132022	1715	64QAM	5.87	PASS
B66	10	Mid	132322	1745	QPSK	5.09	PASS
B66	10	Mid	132322	1745	16QAM	5.84	PASS
B66	10	Mid	132322	1745	64QAM	6.05	PASS
B66	10	High	132622	1775	QPSK	5.18	PASS
B66	10	High	132622	1775	16QAM	5.88	PASS



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B66	10	High	132622	1775	64QAM	6.04	PASS
B66	15	Low	132047	1717.5	QPSK	4.60	PASS
B66	15	Low	132047	1717.5	16QAM	5.44	PASS
B66	15	Low	132047	1717.5	64QAM	5.69	PASS
B66	15	Mid	132322	1745	QPSK	4.79	PASS
B66	15	Mid	132322	1745	16QAM	5.63	PASS
B66	15	Mid	132322	1745	64QAM	5.87	PASS
B66	15	High	132597	1772.5	QPSK	4.82	PASS
B66	15	High	132597	1772.5	16QAM	5.64	PASS
B66	15	High	132597	1772.5	64QAM	5.89	PASS
B66	20	Low	132072	1720	QPSK	4.73	PASS
B66	20	Low	132072	1720	16QAM	5.51	PASS
B66	20	Low	132072	1720	64QAM	5.69	PASS
B66	20	Mid	132322	1745	QPSK	4.94	PASS
B66	20	Mid	132322	1745	16QAM	5.78	PASS
B66	20	Mid	132322	1745	64QAM	6.01	PASS
B66	20	High	132572	1770	QPSK	4.97	PASS
B66	20	High	132572	1770	16QAM	5.80	PASS
B66	20	High	132572	1770	64QAM	5.99	PASS

