



REPORT No.: SZ24090195W06

TEST REPORT

APPLICANT : Telecell Mobile (H.K) Ltd.

PRODUCT NAME : LTE Smartphone

MODEL NAME : L5510

BRAND NAME : FIGO

FCC ID : 2ADX3L5510

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

RECEIPT DATE : 2024-09-27

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Change History		
Version	Date	Reason for change
1.0	2024-12-02	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Telecell Mobile (H.K) Ltd.
Applicant Address:	RM 801 Metro Centre II, 21 Lam Hing Street. Kowloon Bay. HK
Manufacturer:	N/A
Manufacturer Address:	N/A

1.2. Equipment Under Test (EUT) Description

Product Name:	LTE Smartphone	
Sample No.:	1#, 2#	
Hardware Version:	20240622	
Software Version:	FIGO_FIERCE_L5510_v1.0_20241115	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 17 / 66 / 71	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz
	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz –2200MHz
	LTE Band 71	Tx: 663MHz –698MHz
		Rx: 617MHz –652MHz



Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	1.25dBi
	LTE Band 4	-0.63dBi
	LTE Band 5	-2.92dBi
	LTE Band 7	0.78dBi
	LTE Band 12	-2.00dBi
	LTE Band 17	-2.00dBi
	LTE Band 66	-0.28dBi
	LTE Band 71	-2.29dBi
Accessory Information:	Battery	
	Brand Name:	CXD
	Model No.:	CXD1265
	Serial No.:	N/A
	Capacity:	2500mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.425V
	Manufacturer:	Shenzhen Changxingda New Energy Co., Ltd
	AC Adapter	
	Brand Name:	Baochangtong
	Model No.:	BCT050100-127U
	Serial No.:	N/A
	Rated Output:	5V=1A
	Rated Input:	100-240V~50/60Hz, 0.3A
	Manufacturer:	Shenzhen Baochangtong Technology Co., Ltd

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



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

LTE Band 2		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20		0.163	0.136	0.108	17M9G7D	17M9W7D	17M9W7D
15		0.161	0.134	0.108	13M5G7D	13M4W7D	13M4W7D
10		0.162	0.134	0.108	8M95G7D	8M93W7D	8M96W7D
5		0.161	0.133	0.107	4M48G7D	4M48W7D	4M48W7D
3		0.160	0.134	0.107	2M69G7D	2M69W7D	2M70W7D
1.4		0.160	0.134	0.107	1M09G7D	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		0.119	0.101	0.079	17M9G7D	17M9W7D	17M9W7D
15		0.117	0.101	0.078	13M5G7D	13M4W7D	13M4W7D
10		0.118	0.100	0.079	8M95G7D	8M94W7D	8M94W7D
5		0.117	0.100	0.079	4M47G7D	4M49W7D	4M48W7D
3		0.118	0.100	0.078	2M69G7D	2M69W7D	2M70W7D
1.4		0.116	0.101	0.078	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		0.064	0.052	0.041	8M95G7D	8M93W7D	8M94W7D
5		0.063	0.051	0.041	4M48G7D	4M47W7D	4M48W7D
3		0.063	0.051	0.041	2M69G7D	2M69W7D	2M70W7D
1.4		0.063	0.052	0.041	1M10G7D	1M10W7D	1M10W7D
LTE Band 7		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20		0.152	0.128	0.101	17M9G7D	17M9W7D	17M9W7D
15		0.150	0.125	0.100	13M5G7D	13M4W7D	13M4W7D
10		0.151	0.127	0.100	8M96G7D	8M95W7D	8M95W7D
5		0.151	0.126	0.100	4M47G7D	4M48W7D	4M48W7D
LTE Band 12		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10		0.079	0.069	0.053	8M97G7D	8M96W7D	8M98W7D
5		0.079	0.069	0.053	4M49G7D	4M48W7D	4M49W7D
3		0.079	0.068	0.052	2M69G7D	2M69W7D	2M70W7D
1.4		0.079	0.068	0.052	1M10G7D	1M10W7D	1M10W7D



LTE Band 17	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.080	0.069	0.053	8M97G7D	8M94W7D	8M95W7D
5	0.079	0.068	0.052	4M49G7D	4M49W7D	4M49W7D
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	0.139	0.118	0.092	17M9G7D	17M9W7D	18M0W7D
15	0.137	0.116	0.090	13M5G7D	13M5W7D	13M4W7D
10	0.137	0.116	0.090	8M97G7D	8M94W7D	8M96W7D
5	0.138	0.115	0.091	4M48G7D	4M47W7D	4M49W7D
3	0.137	0.116	0.091	2M69G7D	2M69W7D	2M70W7D
1.4	0.138	0.116	0.091	1M10G7D	1M10W7D	1M10W7D
LTE Band 71	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.077	0.066	0.051	17M9G7D	17M9W7D	17M9W7D
15	0.076	0.065	0.051	13M5G7D	13M5W7D	13M5W7D
10	0.076	0.066	0.051	8M96G7D	8M95W7D	8M96W7D
5	0.076	0.066	0.051	4M48G7D	4M48W7D	4M49W7D



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Nov. 14, 2024	Zheng Jianhua Gan Jing	PASS	No deviation
2.1049	Occupied Bandwidth	Oct. 17, 2024 Nov. 06, 2024	Gan Jing	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Nov. 12, 2024	Gan Jing	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Ratio	Oct. 17, 2024	Gan Jing	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Oct. 17, 2024 Nov. 06, 2024	Gan Jing	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g)	Band Edge	Oct. 16, 2024	Gan Jing	PASS	No deviation



27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Oct. 04, 2024	Gao Jianrou	PASS	No deviation

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

Note 2: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

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

1.5. Environmental Conditions

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

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



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

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

2.1.1. Requirement

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

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

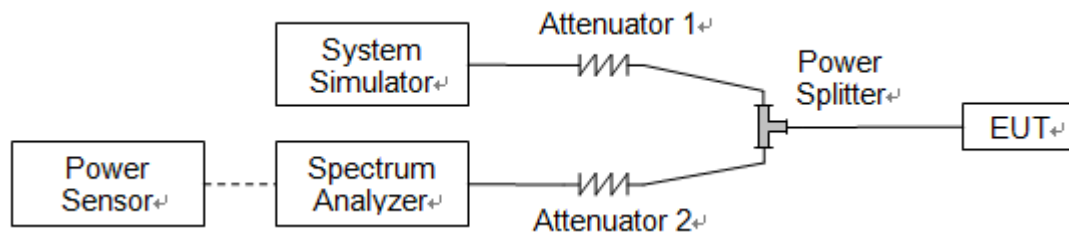
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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

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

According to FCC section 27.50 (c)(10) for LTE Band 12/17/71, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

2.1.2. Test Description



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

2.1.3. Test Procedure

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

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

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

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

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	20.51	20.44	20.40
20	QPSK	1	49	20.87	20.83	20.79
20	QPSK	1	99	20.46	20.42	20.44
20	QPSK	50	0	19.87	19.85	19.82
20	QPSK	50	24	19.84	19.76	19.80
20	QPSK	50	50	19.82	19.74	19.74
20	QPSK	100	0	19.81	19.72	19.76
20	16QAM	1	0	19.79	19.75	19.71
20	16QAM	1	49	20.10	20.05	20.03
20	16QAM	1	99	19.74	19.66	19.64
20	16QAM	50	0	18.88	18.82	18.84
20	16QAM	50	24	18.85	18.82	18.76
20	16QAM	50	50	18.83	18.81	18.75
20	16QAM	100	0	18.81	18.75	18.73
20	64QAM	1	0	18.71	18.62	18.69
20	64QAM	1	49	19.10	19.07	19.06
20	64QAM	1	99	18.66	18.62	18.60
20	64QAM	50	0	17.92	17.87	17.82
20	64QAM	50	24	17.88	17.87	17.83
20	64QAM	50	50	17.87	17.80	17.81
20	64QAM	100	0	17.85	17.78	17.75



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	20.48	20.36	20.31
15	QPSK	1	37	20.79	20.81	20.74
15	QPSK	1	74	20.38	20.41	20.42
15	QPSK	36	0	19.77	19.79	19.73
15	QPSK	36	20	19.81	19.69	19.76
15	QPSK	36	39	19.72	19.66	19.64
15	QPSK	75	0	19.72	19.70	19.66
15	16QAM	1	0	19.77	19.68	19.63
15	16QAM	1	37	20.03	20.02	19.97
15	16QAM	1	74	19.70	19.60	19.55
15	16QAM	36	0	18.83	18.77	18.74
15	16QAM	36	20	18.81	18.78	18.68
15	16QAM	36	39	18.79	18.78	18.65
15	16QAM	75	0	18.77	18.69	18.71
15	64QAM	1	0	18.63	18.52	18.68
15	64QAM	1	37	19.07	19.06	19.01
15	64QAM	1	74	18.56	18.60	18.51
15	64QAM	36	0	17.91	17.79	17.80
15	64QAM	36	20	17.84	17.81	17.74
15	64QAM	36	39	17.82	17.73	17.72
15	64QAM	75	0	17.76	17.69	17.65



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	20.47	20.35	20.33
10	QPSK	1	25	20.84	20.74	20.74
10	QPSK	1	49	20.38	20.40	20.40
10	QPSK	25	0	19.81	19.81	19.76
10	QPSK	25	12	19.78	19.68	19.77
10	QPSK	25	25	19.78	19.71	19.69
10	QPSK	50	0	19.77	19.68	19.74
10	16QAM	1	0	19.78	19.72	19.67
10	16QAM	1	25	20.03	20.01	19.99
10	16QAM	1	49	19.67	19.57	19.63
10	16QAM	25	0	18.78	18.80	18.77
10	16QAM	25	12	18.77	18.79	18.75
10	16QAM	25	25	18.79	18.73	18.74
10	16QAM	50	0	18.77	18.72	18.66
10	64QAM	1	0	18.65	18.54	18.67
10	64QAM	1	25	19.07	19.06	18.99
10	64QAM	1	49	18.62	18.58	18.59
10	64QAM	25	0	17.91	17.77	17.73
10	64QAM	25	12	17.81	17.83	17.74
10	64QAM	25	25	17.79	17.72	17.80
10	64QAM	50	0	17.77	17.70	17.72



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	20.41	20.40	20.30
5	QPSK	1	12	20.81	20.80	20.76
5	QPSK	1	24	20.45	20.36	20.43
5	QPSK	12	0	19.83	19.81	19.72
5	QPSK	12	7	19.79	19.75	19.78
5	QPSK	12	13	19.81	19.70	19.65
5	QPSK	25	0	19.73	19.66	19.72
5	16QAM	1	0	19.70	19.69	19.69
5	16QAM	1	12	20.00	19.96	19.95
5	16QAM	1	24	19.72	19.59	19.55
5	16QAM	12	0	18.86	18.79	18.81
5	16QAM	12	7	18.77	18.74	18.72
5	16QAM	12	13	18.74	18.73	18.74
5	16QAM	25	0	18.73	18.69	18.72
5	64QAM	1	0	18.68	18.57	18.63
5	64QAM	1	12	19.06	19.04	19.03
5	64QAM	1	24	18.58	18.57	18.57
5	64QAM	12	0	17.88	17.83	17.75
5	64QAM	12	7	17.79	17.82	17.73
5	64QAM	12	13	17.81	17.70	17.74
5	64QAM	25	0	17.84	17.69	17.72



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	20.50	20.41	20.36
3	QPSK	1	8	20.79	20.77	20.76
3	QPSK	1	14	20.40	20.32	20.39
3	QPSK	8	0	19.86	19.75	19.79
3	QPSK	8	4	19.80	19.73	19.70
3	QPSK	8	7	19.73	19.67	19.67
3	QPSK	15	0	19.78	19.68	19.67
3	16QAM	1	0	19.73	19.66	19.70
3	16QAM	1	8	20.03	20.00	19.98
3	16QAM	1	14	19.72	19.59	19.54
3	16QAM	8	0	18.85	18.72	18.83
3	16QAM	8	4	18.84	18.80	18.75
3	16QAM	8	7	18.73	18.79	18.67
3	16QAM	15	0	18.77	18.65	18.65
3	64QAM	1	0	18.68	18.61	18.61
3	64QAM	1	8	19.04	19.01	18.98
3	64QAM	1	14	18.58	18.56	18.53
3	64QAM	8	0	17.87	17.85	17.77
3	64QAM	8	4	17.83	17.86	17.76
3	64QAM	8	7	17.80	17.75	17.79
3	64QAM	15	0	17.79	17.74	17.74



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	20.45	20.35	20.31
1.4	QPSK	1	3	20.78	20.80	20.78
1.4	QPSK	1	5	20.36	20.33	20.41
1.4	QPSK	3	0	20.66	20.56	20.55
1.4	QPSK	3	1	20.60	20.53	20.53
1.4	QPSK	3	3	20.56	20.51	20.50
1.4	QPSK	6	0	19.79	19.62	19.67
1.4	16QAM	1	0	19.75	19.73	19.63
1.4	16QAM	1	3	20.03	19.95	19.94
1.4	16QAM	1	5	19.67	19.62	19.57
1.4	16QAM	3	0	19.58	19.55	19.54
1.4	16QAM	3	1	19.62	19.58	19.48
1.4	16QAM	3	3	19.58	19.57	19.47
1.4	16QAM	6	0	18.75	18.65	18.64
1.4	64QAM	1	0	18.62	18.52	18.62
1.4	64QAM	1	3	19.00	19.03	18.97
1.4	64QAM	1	5	18.59	18.54	18.50
1.4	64QAM	3	0	18.68	18.60	18.60
1.4	64QAM	3	1	18.63	18.66	18.59
1.4	64QAM	3	3	18.65	18.56	18.55
1.4	64QAM	6	0	17.81	17.68	17.72



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				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	21.05	21.08	21.04
20	QPSK	1	49	21.36	21.38	21.35
20	QPSK	1	99	20.89	20.97	20.90
20	QPSK	50	0	20.34	20.42	20.41
20	QPSK	50	24	20.35	20.37	20.29
20	QPSK	50	50	20.27	20.35	20.34
20	QPSK	100	0	20.28	20.38	20.35
20	16QAM	1	0	20.25	20.33	20.28
20	16QAM	1	49	20.67	20.68	20.64
20	16QAM	1	99	20.22	20.27	20.24
20	16QAM	50	0	19.39	19.44	19.40
20	16QAM	50	24	19.34	19.42	19.38
20	16QAM	50	50	19.38	19.40	19.35
20	16QAM	100	0	19.32	19.37	19.29
20	64QAM	1	0	19.26	19.29	19.24
20	64QAM	1	49	19.56	19.61	19.54
20	64QAM	1	99	19.15	19.23	19.18
20	64QAM	50	0	18.40	18.50	18.41
20	64QAM	50	24	18.33	18.43	18.33
20	64QAM	50	50	18.35	18.45	18.35
20	64QAM	100	0	18.33	18.43	18.34



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	21.00	21.05	20.96
15	QPSK	1	37	21.30	21.28	21.30
15	QPSK	1	74	20.79	20.92	20.85
15	QPSK	36	0	20.29	20.37	20.33
15	QPSK	36	20	20.27	20.34	20.26
15	QPSK	36	39	20.21	20.25	20.30
15	QPSK	75	0	20.25	20.36	20.26
15	16QAM	1	0	20.15	20.25	20.27
15	16QAM	1	37	20.57	20.67	20.61
15	16QAM	1	74	20.12	20.18	20.20
15	16QAM	36	0	19.35	19.42	19.36
15	16QAM	36	20	19.31	19.32	19.32
15	16QAM	36	39	19.33	19.34	19.29
15	16QAM	75	0	19.25	19.27	19.26
15	64QAM	1	0	19.20	19.22	19.14
15	64QAM	1	37	19.54	19.55	19.53
15	64QAM	1	74	19.08	19.22	19.08
15	64QAM	36	0	18.34	18.46	18.35
15	64QAM	36	20	18.31	18.41	18.23
15	64QAM	36	39	18.34	18.44	18.28
15	64QAM	75	0	18.24	18.37	18.24



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	21.01	21.02	21.02
10	QPSK	1	25	21.35	21.33	21.33
10	QPSK	1	49	20.84	20.87	20.84
10	QPSK	25	0	20.29	20.38	20.35
10	QPSK	25	12	20.33	20.33	20.27
10	QPSK	25	25	20.23	20.32	20.31
10	QPSK	50	0	20.23	20.28	20.31
10	16QAM	1	0	20.22	20.28	20.20
10	16QAM	1	25	20.65	20.62	20.57
10	16QAM	1	49	20.13	20.21	20.17
10	16QAM	25	0	19.33	19.37	19.30
10	16QAM	25	12	19.32	19.35	19.31
10	16QAM	25	25	19.36	19.33	19.31
10	16QAM	50	0	19.29	19.35	19.22
10	64QAM	1	0	19.22	19.28	19.21
10	64QAM	1	25	19.50	19.58	19.46
10	64QAM	1	49	19.11	19.19	19.13
10	64QAM	25	0	18.33	18.41	18.40
10	64QAM	25	12	18.32	18.40	18.26
10	64QAM	25	25	18.30	18.41	18.31
10	64QAM	50	0	18.31	18.40	18.33



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	20.95	20.99	20.94
5	QPSK	1	12	21.30	21.32	21.30
5	QPSK	1	24	20.85	20.94	20.84
5	QPSK	12	0	20.30	20.34	20.34
5	QPSK	12	7	20.32	20.30	20.27
5	QPSK	12	13	20.18	20.34	20.31
5	QPSK	25	0	20.21	20.37	20.26
5	16QAM	1	0	20.15	20.29	20.20
5	16QAM	1	12	20.63	20.59	20.63
5	16QAM	1	24	20.19	20.26	20.23
5	16QAM	12	0	19.33	19.41	19.33
5	16QAM	12	7	19.24	19.37	19.31
5	16QAM	12	13	19.31	19.36	19.25
5	16QAM	25	0	19.24	19.30	19.20
5	64QAM	1	0	19.19	19.19	19.15
5	64QAM	1	12	19.46	19.59	19.53
5	64QAM	1	24	19.07	19.22	19.15
5	64QAM	12	0	18.39	18.44	18.33
5	64QAM	12	7	18.29	18.35	18.30
5	64QAM	12	13	18.26	18.35	18.31
5	64QAM	25	0	18.28	18.33	18.31



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	20.95	21.00	20.99
3	QPSK	1	8	21.32	21.33	21.34
3	QPSK	1	14	20.85	20.88	20.82
3	QPSK	8	0	20.26	20.39	20.37
3	QPSK	8	4	20.28	20.36	20.22
3	QPSK	8	7	20.26	20.31	20.29
3	QPSK	15	0	20.26	20.30	20.25
3	16QAM	1	0	20.15	20.25	20.19
3	16QAM	1	8	20.60	20.65	20.57
3	16QAM	1	14	20.14	20.24	20.15
3	16QAM	8	0	19.31	19.34	19.39
3	16QAM	8	4	19.27	19.36	19.37
3	16QAM	8	7	19.37	19.37	19.33
3	16QAM	15	0	19.29	19.32	19.28
3	64QAM	1	0	19.23	19.25	19.19
3	64QAM	1	8	19.54	19.51	19.53
3	64QAM	1	14	19.11	19.21	19.10
3	64QAM	8	0	18.39	18.42	18.34
3	64QAM	8	4	18.29	18.37	18.27
3	64QAM	8	7	18.25	18.37	18.29
3	64QAM	15	0	18.32	18.37	18.26



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	21.04	20.99	21.02
1.4	QPSK	1	3	21.29	21.28	21.25
1.4	QPSK	1	5	20.88	20.93	20.87
1.4	QPSK	3	0	21.13	21.19	21.11
1.4	QPSK	3	1	21.08	21.15	21.02
1.4	QPSK	3	3	21.00	21.08	21.07
1.4	QPSK	6	0	20.24	20.28	20.25
1.4	16QAM	1	0	20.22	20.32	20.27
1.4	16QAM	1	3	20.66	20.67	20.63
1.4	16QAM	1	5	20.17	20.22	20.14
1.4	16QAM	3	0	20.16	20.23	20.11
1.4	16QAM	3	1	20.05	20.20	20.15
1.4	16QAM	3	3	20.08	20.14	20.06
1.4	16QAM	6	0	19.23	19.28	19.23
1.4	64QAM	1	0	19.18	19.23	19.16
1.4	64QAM	1	3	19.49	19.53	19.52
1.4	64QAM	1	5	19.09	19.19	19.13
1.4	64QAM	3	0	19.12	19.26	19.16
1.4	64QAM	3	1	19.10	19.13	19.07
1.4	64QAM	3	3	19.12	19.20	19.09
1.4	64QAM	6	0	18.29	18.35	18.33



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	22.88	22.92	22.85
10	QPSK	1	25	23.12	23.15	23.08
10	QPSK	1	49	22.83	22.87	22.81
10	QPSK	25	0	22.04	22.05	21.96
10	QPSK	25	12	21.98	22.02	21.94
10	QPSK	25	25	21.95	22.00	21.98
10	QPSK	50	0	21.95	22.01	21.97
10	16QAM	1	0	22.22	22.27	22.20
10	16QAM	1	25	22.14	22.23	22.17
10	16QAM	1	49	22.08	22.13	22.04
10	16QAM	25	0	20.95	21.02	20.97
10	16QAM	25	12	20.97	21.00	20.99
10	16QAM	25	25	20.89	20.97	20.90
10	16QAM	50	0	20.96	20.99	20.96
10	64QAM	1	0	21.13	21.17	21.10
10	64QAM	1	25	21.15	21.25	21.19
10	64QAM	1	49	21.03	21.08	21.07
10	64QAM	25	0	19.94	20.04	19.96
10	64QAM	25	12	19.96	20.01	19.97
10	64QAM	25	25	19.92	20.00	19.94
10	64QAM	50	0	19.96	20.03	19.97



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.83	22.84	22.80
5	QPSK	1	12	23.04	23.06	23.07
5	QPSK	1	24	22.82	22.78	22.77
5	QPSK	12	0	21.94	22.03	21.93
5	QPSK	12	7	21.89	21.94	21.92
5	QPSK	12	13	21.85	21.97	21.92
5	QPSK	25	0	21.89	21.94	21.94
5	16QAM	1	0	22.14	22.17	22.18
5	16QAM	1	12	22.07	22.19	22.13
5	16QAM	1	24	22.03	22.12	22.02
5	16QAM	12	0	20.88	20.93	20.94
5	16QAM	12	7	20.93	20.90	20.98
5	16QAM	12	13	20.84	20.88	20.89
5	16QAM	25	0	20.87	20.92	20.86
5	64QAM	1	0	21.10	21.15	21.07
5	64QAM	1	12	21.09	21.22	21.17
5	64QAM	1	24	21.01	21.07	21.04
5	64QAM	12	0	19.84	20.01	19.94
5	64QAM	12	7	19.89	19.97	19.95
5	64QAM	12	13	19.82	19.99	19.88
5	64QAM	25	0	19.93	20.01	19.89



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.84	22.86	22.84
3	QPSK	1	8	23.02	23.11	23.07
3	QPSK	1	14	22.79	22.77	22.71
3	QPSK	8	0	21.96	22.02	21.95
3	QPSK	8	4	21.88	21.92	21.87
3	QPSK	8	7	21.85	21.96	21.96
3	QPSK	15	0	21.87	21.97	21.88
3	16QAM	1	0	22.12	22.18	22.17
3	16QAM	1	8	22.06	22.19	22.16
3	16QAM	1	14	22.03	22.06	22.01
3	16QAM	8	0	20.94	21.01	20.92
3	16QAM	8	4	20.91	20.94	20.96
3	16QAM	8	7	20.82	20.92	20.88
3	16QAM	15	0	20.90	20.93	20.86
3	64QAM	1	0	21.10	21.12	21.05
3	64QAM	1	8	21.11	21.21	21.09
3	64QAM	1	14	21.01	20.99	21.04
3	64QAM	8	0	19.85	19.96	19.93
3	64QAM	8	4	19.95	19.91	19.87
3	64QAM	8	7	19.88	19.93	19.88
3	64QAM	15	0	19.89	20.01	19.91



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.79	22.91	22.76
1.4	QPSK	1	3	23.11	23.05	23.05
1.4	QPSK	1	5	22.82	22.80	22.78
1.4	QPSK	3	0	22.79	22.81	22.72
1.4	QPSK	3	1	22.73	22.75	22.64
1.4	QPSK	3	3	22.69	22.76	22.74
1.4	QPSK	6	0	21.90	21.91	21.93
1.4	16QAM	1	0	22.13	22.23	22.14
1.4	16QAM	1	3	22.10	22.17	22.09
1.4	16QAM	1	5	22.04	22.06	21.94
1.4	16QAM	3	0	21.66	21.81	21.75
1.4	16QAM	3	1	21.68	21.76	21.73
1.4	16QAM	3	3	21.68	21.68	21.67
1.4	16QAM	6	0	20.87	20.98	20.87
1.4	64QAM	1	0	21.05	21.09	21.07
1.4	64QAM	1	3	21.07	21.23	21.15
1.4	64QAM	1	5	21.00	21.02	21.01
1.4	64QAM	3	0	20.65	20.78	20.74
1.4	64QAM	3	1	20.73	20.72	20.68
1.4	64QAM	3	3	20.70	20.71	20.73
1.4	64QAM	6	0	19.86	19.99	19.94



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	20.64	20.77	20.72
20	QPSK	1	49	20.89	21.04	21.02
20	QPSK	1	99	20.76	20.77	20.68
20	QPSK	50	0	20.09	20.11	20.04
20	QPSK	50	24	19.99	20.08	20.05
20	QPSK	50	50	20.03	20.05	19.99
20	QPSK	100	0	19.98	20.06	20.04
20	16QAM	1	0	19.80	19.88	19.86
20	16QAM	1	49	20.22	20.29	20.25
20	16QAM	1	99	19.92	19.95	19.90
20	16QAM	50	0	19.07	19.12	19.09
20	16QAM	50	24	18.95	19.04	18.97
20	16QAM	50	50	18.98	19.08	19.02
20	16QAM	100	0	19.04	19.07	19.00
20	64QAM	1	0	18.78	18.85	18.79
20	64QAM	1	49	19.21	19.26	19.16
20	64QAM	1	99	18.87	18.91	18.89
20	64QAM	50	0	18.07	18.12	18.10
20	64QAM	50	24	18.08	18.09	18.01
20	64QAM	50	50	17.99	18.04	17.97
20	64QAM	100	0	18.00	18.10	18.03



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	20.57	20.73	20.64
15	QPSK	1	37	20.85	20.94	20.99
15	QPSK	1	74	20.74	20.70	20.64
15	QPSK	36	0	20.05	20.04	20.03
15	QPSK	36	20	19.93	20.05	20.03
15	QPSK	36	39	20.00	19.98	19.98
15	QPSK	75	0	19.93	20.04	19.99
15	16QAM	1	0	19.76	19.83	19.84
15	16QAM	1	37	20.16	20.19	20.15
15	16QAM	1	74	19.87	19.92	19.88
15	16QAM	36	0	19.03	19.11	19.04
15	16QAM	36	20	18.87	18.95	18.89
15	16QAM	36	39	18.92	19.06	19.01
15	16QAM	75	0	19.01	19.04	18.94
15	64QAM	1	0	18.75	18.81	18.71
15	64QAM	1	37	19.19	19.23	19.08
15	64QAM	1	74	18.81	18.85	18.87
15	64QAM	36	0	18.00	18.09	18.07
15	64QAM	36	20	18.04	18.02	17.95
15	64QAM	36	39	17.97	18.00	17.90
15	64QAM	75	0	17.92	18.08	17.98



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	20.57	20.70	20.67
10	QPSK	1	25	20.86	21.01	20.93
10	QPSK	1	49	20.75	20.71	20.61
10	QPSK	25	0	20.07	20.01	19.99
10	QPSK	25	12	19.98	20.07	19.97
10	QPSK	25	25	20.02	19.99	19.94
10	QPSK	50	0	19.97	19.96	20.01
10	16QAM	1	0	19.79	19.85	19.76
10	16QAM	1	25	20.19	20.25	20.21
10	16QAM	1	49	19.83	19.91	19.84
10	16QAM	25	0	19.02	19.09	18.99
10	16QAM	25	12	18.85	19.03	18.91
10	16QAM	25	25	18.97	19.03	18.96
10	16QAM	50	0	18.97	18.97	18.98
10	64QAM	1	0	18.77	18.80	18.75
10	64QAM	1	25	19.17	19.20	19.13
10	64QAM	1	49	18.82	18.90	18.85
10	64QAM	25	0	18.02	18.04	18.05
10	64QAM	25	12	18.07	18.04	18.00
10	64QAM	25	25	17.89	17.97	17.90
10	64QAM	50	0	17.90	18.08	18.00



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	20.63	20.68	20.67
5	QPSK	1	12	20.83	21.01	21.00
5	QPSK	1	24	20.75	20.69	20.61
5	QPSK	12	0	20.02	20.10	20.02
5	QPSK	12	7	19.95	20.07	20.01
5	QPSK	12	13	19.99	19.99	19.90
5	QPSK	25	0	19.92	20.00	20.01
5	16QAM	1	0	19.78	19.85	19.76
5	16QAM	1	12	20.18	20.22	20.18
5	16QAM	1	24	19.85	19.90	19.80
5	16QAM	12	0	18.98	19.06	19.08
5	16QAM	12	7	18.91	18.95	18.94
5	16QAM	12	13	18.94	19.01	18.92
5	16QAM	25	0	19.01	19.03	18.92
5	64QAM	1	0	18.71	18.77	18.71
5	64QAM	1	12	19.11	19.22	19.11
5	64QAM	1	24	18.85	18.83	18.84
5	64QAM	12	0	17.98	18.11	18.04
5	64QAM	12	7	18.03	18.04	17.97
5	64QAM	12	13	17.92	17.95	17.91
5	64QAM	25	0	17.99	18.02	17.99



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	22.92	22.95	22.93
10	QPSK	1	25	23.13	23.15	23.11
10	QPSK	1	49	22.99	23.03	22.94
10	QPSK	25	0	22.17	22.24	22.15
10	QPSK	25	12	22.17	22.18	22.11
10	QPSK	25	25	22.16	22.20	22.16
10	QPSK	50	0	22.16	22.22	22.12
10	16QAM	1	0	22.18	22.25	22.21
10	16QAM	1	25	22.47	22.55	22.45
10	16QAM	1	49	22.26	22.36	22.28
10	16QAM	25	0	21.19	21.28	21.20
10	16QAM	25	12	21.09	21.18	21.16
10	16QAM	25	25	21.19	21.23	21.17
10	16QAM	50	0	21.25	21.26	21.23
10	64QAM	1	0	21.08	21.11	21.05
10	64QAM	1	25	21.34	21.40	21.36
10	64QAM	1	49	21.22	21.24	21.22
10	64QAM	25	0	20.23	20.29	20.20
10	64QAM	25	12	20.14	20.16	20.12
10	64QAM	25	25	20.16	20.25	20.16
10	64QAM	50	0	20.21	20.27	20.24



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	22.88	22.90	22.85
5	QPSK	1	12	23.12	23.07	23.08
5	QPSK	1	24	22.90	22.97	22.88
5	QPSK	12	0	22.15	22.19	22.07
5	QPSK	12	7	22.07	22.10	22.06
5	QPSK	12	13	22.06	22.11	22.07
5	QPSK	25	0	22.15	22.17	22.10
5	16QAM	1	0	22.12	22.19	22.17
5	16QAM	1	12	22.38	22.51	22.39
5	16QAM	1	24	22.23	22.30	22.26
5	16QAM	12	0	21.10	21.18	21.10
5	16QAM	12	7	21.06	21.16	21.09
5	16QAM	12	13	21.15	21.18	21.16
5	16QAM	25	0	21.24	21.22	21.13
5	64QAM	1	0	21.02	21.04	21.01
5	64QAM	1	12	21.30	21.38	21.31
5	64QAM	1	24	21.17	21.23	21.19
5	64QAM	12	0	20.17	20.22	20.15
5	64QAM	12	7	20.05	20.11	20.02
5	64QAM	12	13	20.15	20.18	20.12
5	64QAM	25	0	20.19	20.25	20.20



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				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	22.88	22.89	22.89
3	QPSK	1	8	23.05	23.12	23.06
3	QPSK	1	14	22.94	22.94	22.84
3	QPSK	8	0	22.09	22.20	22.06
3	QPSK	8	4	22.10	22.09	22.02
3	QPSK	8	7	22.11	22.15	22.09
3	QPSK	15	0	22.08	22.13	22.05
3	16QAM	1	0	22.15	22.23	22.17
3	16QAM	1	8	22.37	22.46	22.41
3	16QAM	1	14	22.18	22.29	22.20
3	16QAM	8	0	21.09	21.23	21.11
3	16QAM	8	4	21.01	21.11	21.07
3	16QAM	8	7	21.12	21.18	21.09
3	16QAM	15	0	21.21	21.18	21.21
3	64QAM	1	0	21.02	21.05	20.96
3	64QAM	1	8	21.31	21.33	21.34
3	64QAM	1	14	21.19	21.15	21.12
3	64QAM	8	0	20.16	20.21	20.12
3	64QAM	8	4	20.07	20.15	20.06
3	64QAM	8	7	20.10	20.21	20.06
3	64QAM	15	0	20.19	20.17	20.14



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	22.84	22.94	22.87
1.4	QPSK	1	3	23.09	23.10	23.08
1.4	QPSK	1	5	22.98	22.95	22.87
1.4	QPSK	3	0	22.92	23.00	22.91
1.4	QPSK	3	1	22.88	22.89	22.82
1.4	QPSK	3	3	22.90	22.95	22.90
1.4	QPSK	6	0	22.10	22.14	22.06
1.4	16QAM	1	0	22.09	22.24	22.14
1.4	16QAM	1	3	22.43	22.50	22.40
1.4	16QAM	1	5	22.21	22.35	22.25
1.4	16QAM	3	0	21.93	22.01	21.90
1.4	16QAM	3	1	21.83	21.88	21.90
1.4	16QAM	3	3	21.93	21.96	21.93
1.4	16QAM	6	0	21.17	21.23	21.20
1.4	64QAM	1	0	21.06	21.07	21.02
1.4	64QAM	1	3	21.33	21.35	21.29
1.4	64QAM	1	5	21.21	21.15	21.16
1.4	64QAM	3	0	20.93	21.06	20.97
1.4	64QAM	3	1	20.92	20.94	20.87
1.4	64QAM	3	3	20.92	20.99	20.87
1.4	64QAM	6	0	20.20	20.24	20.17



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	22.91	22.93	22.90
10	QPSK	1	25	23.15	23.18	23.14
10	QPSK	1	49	23.03	23.05	23.02
10	QPSK	25	0	22.12	22.20	22.11
10	QPSK	25	12	22.07	22.15	22.13
10	QPSK	25	25	22.13	22.16	22.06
10	QPSK	50	0	22.10	22.18	22.15
10	16QAM	1	0	22.19	22.25	22.19
10	16QAM	1	25	22.46	22.51	22.45
10	16QAM	1	49	22.21	22.30	22.23
10	16QAM	25	0	21.09	21.18	21.09
10	16QAM	25	12	21.13	21.15	21.13
10	16QAM	25	25	21.05	21.12	21.11
10	16QAM	50	0	21.09	21.14	21.10
10	64QAM	1	0	21.06	21.08	21.00
10	64QAM	1	25	21.33	21.42	21.39
10	64QAM	1	49	21.17	21.19	21.09
10	64QAM	25	0	20.19	20.22	20.16
10	64QAM	25	12	20.11	20.17	20.11
10	64QAM	25	25	20.19	20.20	20.16
10	64QAM	50	0	20.19	20.21	20.14



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	22.88	22.88	22.82
5	QPSK	1	12	23.08	23.13	23.04
5	QPSK	1	24	22.95	22.96	22.95
5	QPSK	12	0	22.02	22.18	22.03
5	QPSK	12	7	21.99	22.09	22.12
5	QPSK	12	13	22.12	22.14	22.02
5	QPSK	25	0	22.05	22.15	22.05
5	16QAM	1	0	22.16	22.18	22.16
5	16QAM	1	12	22.36	22.50	22.43
5	16QAM	1	24	22.12	22.21	22.14
5	16QAM	12	0	21.02	21.13	21.07
5	16QAM	12	7	21.07	21.07	21.09
5	16QAM	12	13	21.00	21.08	21.02
5	16QAM	25	0	21.00	21.07	21.00
5	64QAM	1	0	20.99	21.05	20.92
5	64QAM	1	12	21.26	21.35	21.31
5	64QAM	1	24	21.15	21.12	20.99
5	64QAM	12	0	20.12	20.20	20.09
5	64QAM	12	7	20.01	20.16	20.06
5	64QAM	12	13	20.18	20.15	20.07
5	64QAM	25	0	20.15	20.14	20.08



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	21.24	21.31	21.27
20	QPSK	1	49	21.65	21.70	21.68
20	QPSK	1	99	21.23	21.27	21.24
20	QPSK	50	0	20.69	20.72	20.69
20	QPSK	50	24	20.57	20.65	20.58
20	QPSK	50	50	20.59	20.62	20.53
20	QPSK	100	0	20.62	20.67	20.57
20	16QAM	1	0	20.47	20.52	20.43
20	16QAM	1	49	20.97	20.99	20.93
20	16QAM	1	99	20.51	20.55	20.49
20	16QAM	50	0	19.66	19.72	19.64
20	16QAM	50	24	19.61	19.64	19.62
20	16QAM	50	50	19.62	19.63	19.58
20	16QAM	100	0	19.61	19.65	19.57
20	64QAM	1	0	19.50	19.51	19.42
20	64QAM	1	49	19.89	19.92	19.84
20	64QAM	1	99	19.41	19.46	19.42
20	64QAM	50	0	18.65	18.71	18.62
20	64QAM	50	24	18.63	18.66	18.64
20	64QAM	50	50	18.58	18.63	18.62
20	64QAM	100	0	18.59	18.64	18.58



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	21.16	21.28	21.21
15	QPSK	1	37	21.59	21.61	21.65
15	QPSK	1	74	21.18	21.21	21.21
15	QPSK	36	0	20.62	20.71	20.65
15	QPSK	36	20	20.47	20.61	20.50
15	QPSK	36	39	20.50	20.54	20.47
15	QPSK	75	0	20.60	20.62	20.51
15	16QAM	1	0	20.38	20.45	20.38
15	16QAM	1	37	20.90	20.93	20.92
15	16QAM	1	74	20.50	20.53	20.46
15	16QAM	36	0	19.60	19.68	19.63
15	16QAM	36	20	19.52	19.56	19.54
15	16QAM	36	39	19.54	19.53	19.52
15	16QAM	75	0	19.53	19.60	19.53
15	64QAM	1	0	19.43	19.43	19.33
15	64QAM	1	37	19.79	19.82	19.83
15	64QAM	1	74	19.34	19.43	19.37
15	64QAM	36	0	18.55	18.66	18.52
15	64QAM	36	20	18.53	18.62	18.62
15	64QAM	36	39	18.57	18.61	18.59
15	64QAM	75	0	18.50	18.55	18.57



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	21.17	21.23	21.17
10	QPSK	1	25	21.62	21.64	21.62
10	QPSK	1	49	21.14	21.20	21.17
10	QPSK	25	0	20.63	20.68	20.61
10	QPSK	25	12	20.50	20.61	20.48
10	QPSK	25	25	20.55	20.59	20.45
10	QPSK	50	0	20.57	20.60	20.48
10	16QAM	1	0	20.43	20.42	20.37
10	16QAM	1	25	20.92	20.93	20.86
10	16QAM	1	49	20.48	20.53	20.42
10	16QAM	25	0	19.56	19.66	19.56
10	16QAM	25	12	19.55	19.56	19.61
10	16QAM	25	25	19.55	19.62	19.51
10	16QAM	50	0	19.51	19.60	19.53
10	64QAM	1	0	19.48	19.48	19.32
10	64QAM	1	25	19.81	19.83	19.75
10	64QAM	1	49	19.31	19.39	19.40
10	64QAM	25	0	18.60	18.70	18.56
10	64QAM	25	12	18.61	18.59	18.57
10	64QAM	25	25	18.51	18.62	18.58
10	64QAM	50	0	18.58	18.63	18.53



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	21.20	21.23	21.26
5	QPSK	1	12	21.61	21.65	21.67
5	QPSK	1	24	21.22	21.18	21.16
5	QPSK	12	0	20.61	20.67	20.64
5	QPSK	12	7	20.48	20.60	20.55
5	QPSK	12	13	20.55	20.54	20.49
5	QPSK	25	0	20.61	20.63	20.54
5	16QAM	1	0	20.37	20.43	20.34
5	16QAM	1	12	20.88	20.90	20.86
5	16QAM	1	24	20.43	20.46	20.44
5	16QAM	12	0	19.58	19.62	19.61
5	16QAM	12	7	19.52	19.56	19.56
5	16QAM	12	13	19.56	19.54	19.52
5	16QAM	25	0	19.54	19.61	19.52
5	64QAM	1	0	19.43	19.50	19.33
5	64QAM	1	12	19.88	19.87	19.75
5	64QAM	1	24	19.32	19.43	19.36
5	64QAM	12	0	18.60	18.61	18.57
5	64QAM	12	7	18.59	18.59	18.60
5	64QAM	12	13	18.57	18.57	18.55
5	64QAM	25	0	18.55	18.56	18.56



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	21.18	21.30	21.18
3	QPSK	1	8	21.63	21.66	21.64
3	QPSK	1	14	21.21	21.21	21.16
3	QPSK	8	0	20.67	20.67	20.63
3	QPSK	8	4	20.52	20.59	20.53
3	QPSK	8	7	20.56	20.55	20.45
3	QPSK	15	0	20.60	20.64	20.48
3	16QAM	1	0	20.39	20.51	20.38
3	16QAM	1	8	20.93	20.90	20.91
3	16QAM	1	14	20.47	20.45	20.43
3	16QAM	8	0	19.56	19.65	19.56
3	16QAM	8	4	19.52	19.54	19.58
3	16QAM	8	7	19.53	19.60	19.53
3	16QAM	15	0	19.56	19.60	19.50
3	64QAM	1	0	19.46	19.46	19.34
3	64QAM	1	8	19.83	19.88	19.81
3	64QAM	1	14	19.40	19.38	19.33
3	64QAM	8	0	18.59	18.70	18.57
3	64QAM	8	4	18.57	18.63	18.58
3	64QAM	8	7	18.48	18.59	18.57
3	64QAM	15	0	18.50	18.62	18.51



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	21.20	21.23	21.19
1.4	QPSK	1	3	21.58	21.68	21.62
1.4	QPSK	1	5	21.21	21.21	21.17
1.4	QPSK	3	0	21.45	21.46	21.46
1.4	QPSK	3	1	21.36	21.45	21.37
1.4	QPSK	3	3	21.32	21.42	21.28
1.4	QPSK	6	0	20.55	20.57	20.56
1.4	16QAM	1	0	20.43	20.47	20.34
1.4	16QAM	1	3	20.90	20.92	20.83
1.4	16QAM	1	5	20.50	20.49	20.45
1.4	16QAM	3	0	20.41	20.47	20.38
1.4	16QAM	3	1	20.36	20.38	20.43
1.4	16QAM	3	3	20.34	20.36	20.39
1.4	16QAM	6	0	19.53	19.61	19.55
1.4	64QAM	1	0	19.41	19.42	19.36
1.4	64QAM	1	3	19.84	19.89	19.76
1.4	64QAM	1	5	19.37	19.38	19.32
1.4	64QAM	3	0	19.37	19.49	19.36
1.4	64QAM	3	1	19.38	19.42	19.36
1.4	64QAM	3	3	19.31	19.37	19.35
1.4	64QAM	6	0	18.50	18.63	18.50



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	22.73	22.78	22.77
20	QPSK	1	49	23.25	23.30	23.28
20	QPSK	1	99	23.15	23.17	23.14
20	QPSK	50	0	22.24	22.30	22.23
20	QPSK	50	24	22.19	22.27	22.25
20	QPSK	50	50	22.25	22.28	22.18
20	QPSK	100	0	22.22	22.27	22.27
20	16QAM	1	0	22.31	22.37	22.31
20	16QAM	1	49	22.58	22.63	22.57
20	16QAM	1	99	22.33	22.42	22.35
20	16QAM	50	0	21.21	21.30	21.21
20	16QAM	50	24	21.25	21.27	21.25
20	16QAM	50	50	21.17	21.24	21.23
20	16QAM	100	0	21.21	21.26	21.22
20	64QAM	1	0	21.18	21.20	21.12
20	64QAM	1	49	21.45	21.54	21.51
20	64QAM	1	99	21.29	21.31	21.21
20	64QAM	50	0	20.31	20.34	20.28
20	64QAM	50	24	20.23	20.29	20.23
20	64QAM	50	50	20.31	20.32	20.28
20	64QAM	100	0	20.31	20.33	20.26



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133197	133297	133397
Frequency (MHz)				670.5	680.5	690.5
15	QPSK	1	0	22.71	22.75	22.72
15	QPSK	1	37	23.23	23.26	23.19
15	QPSK	1	74	23.05	23.15	23.12
15	QPSK	36	0	22.15	22.24	22.19
15	QPSK	36	20	22.16	22.26	22.17
15	QPSK	36	39	22.15	22.19	22.17
15	QPSK	75	0	22.15	22.21	22.22
15	16QAM	1	0	22.21	22.30	22.23
15	16QAM	1	37	22.50	22.55	22.55
15	16QAM	1	74	22.24	22.35	22.27
15	16QAM	36	0	21.19	21.26	21.12
15	16QAM	36	20	21.21	21.19	21.19
15	16QAM	36	39	21.11	21.21	21.15
15	16QAM	75	0	21.14	21.21	21.13
15	64QAM	1	0	21.14	21.15	21.06
15	64QAM	1	37	21.43	21.46	21.48
15	64QAM	1	74	21.24	21.26	21.11
15	64QAM	36	0	20.30	20.31	20.27
15	64QAM	36	20	20.21	20.27	20.15
15	64QAM	36	39	20.29	20.28	20.20
15	64QAM	75	0	20.27	20.29	20.19



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	22.72	22.72	22.70
10	QPSK	1	25	23.23	23.26	23.19
10	QPSK	1	49	23.06	23.15	23.06
10	QPSK	25	0	22.19	22.23	22.17
10	QPSK	25	12	22.12	22.26	22.22
10	QPSK	25	25	22.24	22.27	22.08
10	QPSK	50	0	22.20	22.18	22.22
10	16QAM	1	0	22.24	22.28	22.27
10	16QAM	1	25	22.53	22.62	22.48
10	16QAM	1	49	22.25	22.32	22.28
10	16QAM	25	0	21.13	21.26	21.20
10	16QAM	25	12	21.22	21.23	21.18
10	16QAM	25	25	21.09	21.18	21.17
10	16QAM	50	0	21.15	21.24	21.12
10	64QAM	1	0	21.10	21.18	21.05
10	64QAM	1	25	21.41	21.49	21.49
10	64QAM	1	49	21.21	21.30	21.19
10	64QAM	25	0	20.24	20.33	20.18
10	64QAM	25	12	20.22	20.26	20.15
10	64QAM	25	25	20.26	20.27	20.27
10	64QAM	50	0	20.27	20.30	20.17



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5
5	QPSK	1	0	22.64	22.73	22.71
5	QPSK	1	12	23.22	23.22	23.23
5	QPSK	1	24	23.06	23.14	23.09
5	QPSK	12	0	22.17	22.20	22.16
5	QPSK	12	7	22.18	22.22	22.18
5	QPSK	12	13	22.15	22.22	22.12
5	QPSK	25	0	22.16	22.25	22.19
5	16QAM	1	0	22.29	22.30	22.23
5	16QAM	1	12	22.52	22.62	22.54
5	16QAM	1	24	22.30	22.40	22.27
5	16QAM	12	0	21.16	21.23	21.15
5	16QAM	12	7	21.24	21.19	21.16
5	16QAM	12	13	21.12	21.19	21.13
5	16QAM	25	0	21.12	21.19	21.16
5	64QAM	1	0	21.12	21.10	21.11
5	64QAM	1	12	21.41	21.48	21.45
5	64QAM	1	24	21.26	21.30	21.14
5	64QAM	12	0	20.23	20.33	20.20
5	64QAM	12	7	20.21	20.25	20.17
5	64QAM	12	13	20.25	20.26	20.26
5	64QAM	25	0	20.25	20.28	20.20

**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	21.76	0.150	21.69	0.148	21.65	0.146
20	QPSK	1	49	22.12	0.163	22.08	0.161	22.04	0.160
20	QPSK	1	99	21.71	0.148	21.67	0.147	21.69	0.148
20	QPSK	50	0	21.12	0.129	21.10	0.129	21.07	0.128
20	QPSK	50	24	21.09	0.129	21.01	0.126	21.05	0.127
20	QPSK	50	50	21.07	0.128	20.99	0.126	20.99	0.126
20	QPSK	100	0	21.06	0.128	20.97	0.125	21.01	0.126
20	16QAM	1	0	21.04	0.127	21.00	0.126	20.96	0.125
20	16QAM	1	49	21.35	0.136	21.30	0.135	21.28	0.134
20	16QAM	1	99	20.99	0.126	20.91	0.123	20.89	0.123
20	16QAM	50	0	20.13	0.103	20.07	0.102	20.09	0.102
20	16QAM	50	24	20.10	0.102	20.07	0.102	20.01	0.100
20	16QAM	50	50	20.08	0.102	20.06	0.101	20.00	0.100
20	16QAM	100	0	20.06	0.101	20.00	0.100	19.98	0.100
20	64QAM	1	0	19.96	0.099	19.87	0.097	19.94	0.099
20	64QAM	1	49	20.35	0.108	20.32	0.108	20.31	0.107
20	64QAM	1	99	19.91	0.098	19.87	0.097	19.85	0.097
20	64QAM	50	0	19.17	0.083	19.12	0.082	19.07	0.081
20	64QAM	50	24	19.13	0.082	19.12	0.082	19.08	0.081
20	64QAM	50	50	19.12	0.082	19.05	0.080	19.06	0.081
20	64QAM	100	0	19.10	0.081	19.03	0.080	19.00	0.079



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	21.73	0.149	21.61	0.145	21.56	0.143
15	QPSK	1	37	22.04	0.160	22.06	0.161	21.99	0.158
15	QPSK	1	74	21.63	0.146	21.66	0.147	21.67	0.147
15	QPSK	36	0	21.02	0.126	21.04	0.127	20.98	0.125
15	QPSK	36	20	21.06	0.128	20.94	0.124	21.01	0.126
15	QPSK	36	39	20.97	0.125	20.91	0.123	20.89	0.123
15	QPSK	75	0	20.97	0.125	20.95	0.124	20.91	0.123
15	16QAM	1	0	21.02	0.126	20.93	0.124	20.88	0.122
15	16QAM	1	37	21.28	0.134	21.27	0.134	21.22	0.132
15	16QAM	1	74	20.95	0.124	20.85	0.122	20.80	0.120
15	16QAM	36	0	20.08	0.102	20.02	0.100	19.99	0.100
15	16QAM	36	20	20.06	0.101	20.03	0.101	19.93	0.098
15	16QAM	36	39	20.04	0.101	20.03	0.101	19.90	0.098
15	16QAM	75	0	20.02	0.100	19.94	0.099	19.96	0.099
15	64QAM	1	0	19.88	0.097	19.77	0.095	19.93	0.098
15	64QAM	1	37	20.32	0.108	20.31	0.107	20.26	0.106
15	64QAM	1	74	19.81	0.096	19.85	0.097	19.76	0.095
15	64QAM	36	0	19.16	0.082	19.04	0.080	19.05	0.080
15	64QAM	36	20	19.09	0.081	19.06	0.081	18.99	0.079
15	64QAM	36	39	19.07	0.081	18.98	0.079	18.97	0.079
15	64QAM	75	0	19.01	0.080	18.94	0.078	18.90	0.078



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	21.72	0.149	21.60	0.145	21.58	0.144
10	QPSK	1	25	22.09	0.162	21.99	0.158	21.99	0.158
10	QPSK	1	49	21.63	0.146	21.65	0.146	21.65	0.146
10	QPSK	25	0	21.06	0.128	21.06	0.128	21.01	0.126
10	QPSK	25	12	21.03	0.127	20.93	0.124	21.02	0.126
10	QPSK	25	25	21.03	0.127	20.96	0.125	20.94	0.124
10	QPSK	50	0	21.02	0.126	20.93	0.124	20.99	0.126
10	16QAM	1	0	21.03	0.127	20.97	0.125	20.92	0.124
10	16QAM	1	25	21.28	0.134	21.26	0.134	21.24	0.133
10	16QAM	1	49	20.92	0.124	20.82	0.121	20.88	0.122
10	16QAM	25	0	20.03	0.101	20.05	0.101	20.02	0.100
10	16QAM	25	12	20.02	0.100	20.04	0.101	20.00	0.100
10	16QAM	25	25	20.04	0.101	19.98	0.100	19.99	0.100
10	16QAM	50	0	20.02	0.100	19.97	0.099	19.91	0.098
10	64QAM	1	0	19.90	0.098	19.79	0.095	19.92	0.098
10	64QAM	1	25	20.32	0.108	20.31	0.107	20.24	0.106
10	64QAM	1	49	19.87	0.097	19.83	0.096	19.84	0.096
10	64QAM	25	0	19.16	0.082	19.02	0.080	18.98	0.079
10	64QAM	25	12	19.06	0.081	19.08	0.081	18.99	0.079
10	64QAM	25	25	19.04	0.080	18.97	0.079	19.05	0.080
10	64QAM	50	0	19.02	0.080	18.95	0.079	18.97	0.079



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	21.66	0.147	21.65	0.146	21.55	0.143
5	QPSK	1	12	22.06	0.161	22.05	0.160	22.01	0.159
5	QPSK	1	24	21.70	0.148	21.61	0.145	21.68	0.147
5	QPSK	12	0	21.08	0.128	21.06	0.128	20.97	0.125
5	QPSK	12	7	21.04	0.127	21.00	0.126	21.03	0.127
5	QPSK	12	13	21.06	0.128	20.95	0.124	20.90	0.123
5	QPSK	25	0	20.98	0.125	20.91	0.123	20.97	0.125
5	16QAM	1	0	20.95	0.124	20.94	0.124	20.94	0.124
5	16QAM	1	12	21.25	0.133	21.21	0.132	21.20	0.132
5	16QAM	1	24	20.97	0.125	20.84	0.121	20.80	0.120
5	16QAM	12	0	20.11	0.103	20.04	0.101	20.06	0.101
5	16QAM	12	7	20.02	0.100	19.99	0.100	19.97	0.099
5	16QAM	12	13	19.99	0.100	19.98	0.100	19.99	0.100
5	16QAM	25	0	19.98	0.100	19.94	0.099	19.97	0.099
5	64QAM	1	0	19.93	0.098	19.82	0.096	19.88	0.097
5	64QAM	1	12	20.31	0.107	20.29	0.107	20.28	0.107
5	64QAM	1	24	19.83	0.096	19.82	0.096	19.82	0.096
5	64QAM	12	0	19.13	0.082	19.08	0.081	19.00	0.079
5	64QAM	12	7	19.04	0.080	19.07	0.081	18.98	0.079
5	64QAM	12	13	19.06	0.081	18.95	0.079	18.99	0.079
5	64QAM	25	0	19.09	0.081	18.94	0.078	18.97	0.079



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	21.75	0.150	21.66	0.147	21.61	0.145
3	QPSK	1	8	22.04	0.160	22.02	0.159	22.01	0.159
3	QPSK	1	14	21.65	0.146	21.57	0.144	21.64	0.146
3	QPSK	8	0	21.11	0.129	21.00	0.126	21.04	0.127
3	QPSK	8	4	21.05	0.127	20.98	0.125	20.95	0.124
3	QPSK	8	7	20.98	0.125	20.92	0.124	20.92	0.124
3	QPSK	15	0	21.03	0.127	20.93	0.124	20.92	0.124
3	16QAM	1	0	20.98	0.125	20.91	0.123	20.95	0.124
3	16QAM	1	8	21.28	0.134	21.25	0.133	21.23	0.133
3	16QAM	1	14	20.97	0.125	20.84	0.121	20.79	0.120
3	16QAM	8	0	20.10	0.102	19.97	0.099	20.08	0.102
3	16QAM	8	4	20.09	0.102	20.05	0.101	20.00	0.100
3	16QAM	8	7	19.98	0.100	20.04	0.101	19.92	0.098
3	16QAM	15	0	20.02	0.100	19.90	0.098	19.90	0.098
3	64QAM	1	0	19.93	0.098	19.86	0.097	19.86	0.097
3	64QAM	1	8	20.29	0.107	20.26	0.106	20.23	0.105
3	64QAM	1	14	19.83	0.096	19.81	0.096	19.78	0.095
3	64QAM	8	0	19.12	0.082	19.10	0.081	19.02	0.080
3	64QAM	8	4	19.08	0.081	19.11	0.081	19.01	0.080
3	64QAM	8	7	19.05	0.080	19.00	0.079	19.04	0.080
3	64QAM	15	0	19.04	0.080	18.99	0.079	18.99	0.079



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	21.70	0.148	21.60	0.145	21.56	0.143
1.4	QPSK	1	3	22.03	0.160	22.05	0.160	22.03	0.160
1.4	QPSK	1	5	21.61	0.145	21.58	0.144	21.66	0.147
1.4	QPSK	3	0	21.91	0.155	21.81	0.152	21.80	0.151
1.4	QPSK	3	1	21.85	0.153	21.78	0.151	21.78	0.151
1.4	QPSK	3	3	21.81	0.152	21.76	0.150	21.75	0.150
1.4	QPSK	6	0	21.04	0.127	20.87	0.122	20.92	0.124
1.4	16QAM	1	0	21.00	0.126	20.98	0.125	20.88	0.122
1.4	16QAM	1	3	21.28	0.134	21.20	0.132	21.19	0.132
1.4	16QAM	1	5	20.92	0.124	20.87	0.122	20.82	0.121
1.4	16QAM	3	0	20.83	0.121	20.80	0.120	20.79	0.120
1.4	16QAM	3	1	20.87	0.122	20.83	0.121	20.73	0.118
1.4	16QAM	3	3	20.83	0.121	20.82	0.121	20.72	0.118
1.4	16QAM	6	0	20.00	0.100	19.90	0.098	19.89	0.097
1.4	64QAM	1	0	19.87	0.097	19.77	0.095	19.87	0.097
1.4	64QAM	1	3	20.25	0.106	20.28	0.107	20.22	0.105
1.4	64QAM	1	5	19.84	0.096	19.79	0.095	19.75	0.094
1.4	64QAM	3	0	19.93	0.098	19.85	0.097	19.85	0.097
1.4	64QAM	3	1	19.88	0.097	19.91	0.098	19.84	0.096
1.4	64QAM	3	3	19.90	0.098	19.81	0.096	19.80	0.095
1.4	64QAM	6	0	19.06	0.081	18.93	0.078	18.97	0.079



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	20.42	0.110	20.45	0.111	20.41	0.110
20	QPSK	1	49	20.73	0.118	20.75	0.119	20.72	0.118
20	QPSK	1	99	20.26	0.106	20.34	0.108	20.27	0.106
20	QPSK	50	0	19.71	0.094	19.79	0.095	19.78	0.095
20	QPSK	50	24	19.72	0.094	19.74	0.094	19.66	0.092
20	QPSK	50	50	19.64	0.092	19.72	0.094	19.71	0.094
20	QPSK	100	0	19.65	0.092	19.75	0.094	19.72	0.094
20	16QAM	1	0	19.62	0.092	19.70	0.093	19.65	0.092
20	16QAM	1	49	20.04	0.101	20.05	0.101	20.01	0.100
20	16QAM	1	99	19.59	0.091	19.64	0.092	19.61	0.091
20	16QAM	50	0	18.76	0.075	18.81	0.076	18.77	0.075
20	16QAM	50	24	18.71	0.074	18.79	0.076	18.75	0.075
20	16QAM	50	50	18.75	0.075	18.77	0.075	18.72	0.074
20	16QAM	100	0	18.69	0.074	18.74	0.075	18.66	0.073
20	64QAM	1	0	18.63	0.073	18.66	0.073	18.61	0.073
20	64QAM	1	49	18.93	0.078	18.98	0.079	18.91	0.078
20	64QAM	1	99	18.52	0.071	18.60	0.072	18.55	0.072
20	64QAM	50	0	17.77	0.060	17.87	0.061	17.78	0.060
20	64QAM	50	24	17.70	0.059	17.80	0.060	17.70	0.059
20	64QAM	50	50	17.72	0.059	17.82	0.061	17.72	0.059
20	64QAM	100	0	17.70	0.059	17.80	0.060	17.71	0.059



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	20.37	0.109	20.42	0.110	20.33	0.108
15	QPSK	1	37	20.67	0.117	20.65	0.116	20.67	0.117
15	QPSK	1	74	20.16	0.104	20.29	0.107	20.22	0.105
15	QPSK	36	0	19.66	0.092	19.74	0.094	19.70	0.093
15	QPSK	36	20	19.64	0.092	19.71	0.094	19.63	0.092
15	QPSK	36	39	19.58	0.091	19.62	0.092	19.67	0.093
15	QPSK	75	0	19.62	0.092	19.73	0.094	19.63	0.092
15	16QAM	1	0	19.52	0.090	19.62	0.092	19.64	0.092
15	16QAM	1	37	19.94	0.099	20.04	0.101	19.98	0.100
15	16QAM	1	74	19.49	0.089	19.55	0.090	19.57	0.091
15	16QAM	36	0	18.72	0.074	18.79	0.076	18.73	0.075
15	16QAM	36	20	18.68	0.074	18.69	0.074	18.69	0.074
15	16QAM	36	39	18.70	0.074	18.71	0.074	18.66	0.073
15	16QAM	75	0	18.62	0.073	18.64	0.073	18.63	0.073
15	64QAM	1	0	18.57	0.072	18.59	0.072	18.51	0.071
15	64QAM	1	37	18.91	0.078	18.92	0.078	18.90	0.078
15	64QAM	1	74	18.45	0.070	18.59	0.072	18.45	0.070
15	64QAM	36	0	17.71	0.059	17.83	0.061	17.72	0.059
15	64QAM	36	20	17.68	0.059	17.78	0.060	17.60	0.058
15	64QAM	36	39	17.71	0.059	17.81	0.060	17.65	0.058
15	64QAM	75	0	17.61	0.058	17.74	0.059	17.61	0.058



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	20.38	0.109	20.39	0.109	20.39	0.109
10	QPSK	1	25	20.72	0.118	20.70	0.117	20.70	0.117
10	QPSK	1	49	20.21	0.105	20.24	0.106	20.21	0.105
10	QPSK	25	0	19.66	0.092	19.75	0.094	19.72	0.094
10	QPSK	25	12	19.70	0.093	19.70	0.093	19.64	0.092
10	QPSK	25	25	19.60	0.091	19.69	0.093	19.68	0.093
10	QPSK	50	0	19.60	0.091	19.65	0.092	19.68	0.093
10	16QAM	1	0	19.59	0.091	19.65	0.092	19.57	0.091
10	16QAM	1	25	20.02	0.100	19.99	0.100	19.94	0.099
10	16QAM	1	49	19.50	0.089	19.58	0.091	19.54	0.090
10	16QAM	25	0	18.70	0.074	18.74	0.075	18.67	0.074
10	16QAM	25	12	18.69	0.074	18.72	0.074	18.68	0.074
10	16QAM	25	25	18.73	0.075	18.70	0.074	18.68	0.074
10	16QAM	50	0	18.66	0.073	18.72	0.074	18.59	0.072
10	64QAM	1	0	18.59	0.072	18.65	0.073	18.58	0.072
10	64QAM	1	25	18.87	0.077	18.95	0.079	18.83	0.076
10	64QAM	1	49	18.48	0.070	18.56	0.072	18.50	0.071
10	64QAM	25	0	17.70	0.059	17.78	0.060	17.77	0.060
10	64QAM	25	12	17.69	0.059	17.77	0.060	17.63	0.058
10	64QAM	25	25	17.67	0.058	17.78	0.060	17.68	0.059
10	64QAM	50	0	17.68	0.059	17.77	0.060	17.70	0.059



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	20.32	0.108	20.36	0.109	20.31	0.107
5	QPSK	1	12	20.67	0.117	20.69	0.117	20.67	0.117
5	QPSK	1	24	20.22	0.105	20.31	0.107	20.21	0.105
5	QPSK	12	0	19.67	0.093	19.71	0.094	19.71	0.094
5	QPSK	12	7	19.69	0.093	19.67	0.093	19.64	0.092
5	QPSK	12	13	19.55	0.090	19.71	0.094	19.68	0.093
5	QPSK	25	0	19.58	0.091	19.74	0.094	19.63	0.092
5	16QAM	1	0	19.52	0.090	19.66	0.092	19.57	0.091
5	16QAM	1	12	20.00	0.100	19.96	0.099	20.00	0.100
5	16QAM	1	24	19.56	0.090	19.63	0.092	19.60	0.091
5	16QAM	12	0	18.70	0.074	18.78	0.076	18.70	0.074
5	16QAM	12	7	18.61	0.073	18.74	0.075	18.68	0.074
5	16QAM	12	13	18.68	0.074	18.73	0.075	18.62	0.073
5	16QAM	25	0	18.61	0.073	18.67	0.074	18.57	0.072
5	64QAM	1	0	18.56	0.072	18.56	0.072	18.52	0.071
5	64QAM	1	12	18.83	0.076	18.96	0.079	18.90	0.078
5	64QAM	1	24	18.44	0.070	18.59	0.072	18.52	0.071
5	64QAM	12	0	17.76	0.060	17.81	0.060	17.70	0.059
5	64QAM	12	7	17.66	0.058	17.72	0.059	17.67	0.058
5	64QAM	12	13	17.63	0.058	17.72	0.059	17.68	0.059
5	64QAM	25	0	17.65	0.058	17.70	0.059	17.68	0.059



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	20.32	0.108	20.37	0.109	20.36	0.109
3	QPSK	1	8	20.69	0.117	20.70	0.117	20.71	0.118
3	QPSK	1	14	20.22	0.105	20.25	0.106	20.19	0.104
3	QPSK	8	0	19.63	0.092	19.76	0.095	19.74	0.094
3	QPSK	8	4	19.65	0.092	19.73	0.094	19.59	0.091
3	QPSK	8	7	19.63	0.092	19.68	0.093	19.66	0.092
3	QPSK	15	0	19.63	0.092	19.67	0.093	19.62	0.092
3	16QAM	1	0	19.52	0.090	19.62	0.092	19.56	0.090
3	16QAM	1	8	19.97	0.099	20.02	0.100	19.94	0.099
3	16QAM	1	14	19.51	0.089	19.61	0.091	19.52	0.090
3	16QAM	8	0	18.68	0.074	18.71	0.074	18.76	0.075
3	16QAM	8	4	18.64	0.073	18.73	0.075	18.74	0.075
3	16QAM	8	7	18.74	0.075	18.74	0.075	18.70	0.074
3	16QAM	15	0	18.66	0.073	18.69	0.074	18.65	0.073
3	64QAM	1	0	18.60	0.072	18.62	0.073	18.56	0.072
3	64QAM	1	8	18.91	0.078	18.88	0.077	18.90	0.078
3	64QAM	1	14	18.48	0.070	18.58	0.072	18.47	0.070
3	64QAM	8	0	17.76	0.060	17.79	0.060	17.71	0.059
3	64QAM	8	4	17.66	0.058	17.74	0.059	17.64	0.058
3	64QAM	8	7	17.62	0.058	17.74	0.059	17.66	0.058
3	64QAM	15	0	17.69	0.059	17.74	0.059	17.63	0.058



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	20.41	0.110	20.36	0.109	20.39	0.109
1.4	QPSK	1	3	20.66	0.116	20.65	0.116	20.62	0.115
1.4	QPSK	1	5	20.25	0.106	20.30	0.107	20.24	0.106
1.4	QPSK	3	0	20.50	0.112	20.56	0.114	20.48	0.112
1.4	QPSK	3	1	20.45	0.111	20.52	0.113	20.39	0.109
1.4	QPSK	3	3	20.37	0.109	20.45	0.111	20.44	0.111
1.4	QPSK	6	0	19.61	0.091	19.65	0.092	19.62	0.092
1.4	16QAM	1	0	19.59	0.091	19.69	0.093	19.64	0.092
1.4	16QAM	1	3	20.03	0.101	20.04	0.101	20.00	0.100
1.4	16QAM	1	5	19.54	0.090	19.59	0.091	19.51	0.089
1.4	16QAM	3	0	19.53	0.090	19.60	0.091	19.48	0.089
1.4	16QAM	3	1	19.42	0.087	19.57	0.091	19.52	0.090
1.4	16QAM	3	3	19.45	0.088	19.51	0.089	19.43	0.088
1.4	16QAM	6	0	18.60	0.072	18.65	0.073	18.60	0.072
1.4	64QAM	1	0	18.55	0.072	18.60	0.072	18.53	0.071
1.4	64QAM	1	3	18.86	0.077	18.90	0.078	18.89	0.077
1.4	64QAM	1	5	18.46	0.070	18.56	0.072	18.50	0.071
1.4	64QAM	3	0	18.49	0.071	18.63	0.073	18.53	0.071
1.4	64QAM	3	1	18.47	0.070	18.50	0.071	18.44	0.070
1.4	64QAM	3	3	18.49	0.071	18.57	0.072	18.46	0.070
1.4	64QAM	6	0	17.66	0.058	17.72	0.059	17.70	0.059



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	17.78	0.060	17.82	0.061	17.75	0.060
10	QPSK	1	25	18.02	0.063	18.05	0.064	17.98	0.063
10	QPSK	1	49	17.73	0.059	17.77	0.060	17.71	0.059
10	QPSK	25	0	16.94	0.049	16.95	0.050	16.86	0.049
10	QPSK	25	12	16.88	0.049	16.92	0.049	16.84	0.048
10	QPSK	25	25	16.85	0.048	16.90	0.049	16.88	0.049
10	QPSK	50	0	16.85	0.048	16.91	0.049	16.87	0.049
10	16QAM	1	0	17.12	0.052	17.17	0.052	17.10	0.051
10	16QAM	1	25	17.04	0.051	17.13	0.052	17.07	0.051
10	16QAM	1	49	16.98	0.050	17.03	0.050	16.94	0.049
10	16QAM	25	0	15.85	0.038	15.92	0.039	15.87	0.039
10	16QAM	25	12	15.87	0.039	15.90	0.039	15.89	0.039
10	16QAM	25	25	15.79	0.038	15.87	0.039	15.80	0.038
10	16QAM	50	0	15.86	0.039	15.89	0.039	15.86	0.039
10	64QAM	1	0	16.03	0.040	16.07	0.040	16.00	0.040
10	64QAM	1	25	16.05	0.040	16.15	0.041	16.09	0.041
10	64QAM	1	49	15.93	0.039	15.98	0.040	15.97	0.040
10	64QAM	25	0	14.84	0.030	14.94	0.031	14.86	0.031
10	64QAM	25	12	14.86	0.031	14.91	0.031	14.87	0.031
10	64QAM	25	25	14.82	0.030	14.90	0.031	14.84	0.030
10	64QAM	50	0	14.86	0.031	14.93	0.031	14.87	0.031



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	17.73	0.059	17.74	0.059	17.70	0.059
5	QPSK	1	12	17.94	0.062	17.96	0.063	17.97	0.063
5	QPSK	1	24	17.72	0.059	17.68	0.059	17.67	0.058
5	QPSK	12	0	16.84	0.048	16.93	0.049	16.83	0.048
5	QPSK	12	7	16.79	0.048	16.84	0.048	16.82	0.048
5	QPSK	12	13	16.75	0.047	16.87	0.049	16.82	0.048
5	QPSK	25	0	16.79	0.048	16.84	0.048	16.84	0.048
5	16QAM	1	0	17.04	0.051	17.07	0.051	17.08	0.051
5	16QAM	1	12	16.97	0.050	17.09	0.051	17.03	0.050
5	16QAM	1	24	16.93	0.049	17.02	0.050	16.92	0.049
5	16QAM	12	0	15.78	0.038	15.83	0.038	15.84	0.038
5	16QAM	12	7	15.83	0.038	15.80	0.038	15.88	0.039
5	16QAM	12	13	15.74	0.037	15.78	0.038	15.79	0.038
5	16QAM	25	0	15.77	0.038	15.82	0.038	15.76	0.038
5	64QAM	1	0	16.00	0.040	16.05	0.040	15.97	0.040
5	64QAM	1	12	15.99	0.040	16.12	0.041	16.07	0.040
5	64QAM	1	24	15.91	0.039	15.97	0.040	15.94	0.039
5	64QAM	12	0	14.74	0.030	14.91	0.031	14.84	0.030
5	64QAM	12	7	14.79	0.030	14.87	0.031	14.85	0.031
5	64QAM	12	13	14.72	0.030	14.89	0.031	14.78	0.030
5	64QAM	25	0	14.83	0.030	14.91	0.031	14.79	0.030



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	17.74	0.059	17.76	0.060	17.74	0.059
3	QPSK	1	8	17.92	0.062	18.01	0.063	17.97	0.063
3	QPSK	1	14	17.69	0.059	17.67	0.058	17.61	0.058
3	QPSK	8	0	16.86	0.049	16.92	0.049	16.85	0.048
3	QPSK	8	4	16.78	0.048	16.82	0.048	16.77	0.048
3	QPSK	8	7	16.75	0.047	16.86	0.049	16.86	0.049
3	QPSK	15	0	16.77	0.048	16.87	0.049	16.78	0.048
3	16QAM	1	0	17.02	0.050	17.08	0.051	17.07	0.051
3	16QAM	1	8	16.96	0.050	17.09	0.051	17.06	0.051
3	16QAM	1	14	16.93	0.049	16.96	0.050	16.91	0.049
3	16QAM	8	0	15.84	0.038	15.91	0.039	15.82	0.038
3	16QAM	8	4	15.81	0.038	15.84	0.038	15.86	0.039
3	16QAM	8	7	15.72	0.037	15.82	0.038	15.78	0.038
3	16QAM	15	0	15.80	0.038	15.83	0.038	15.76	0.038
3	64QAM	1	0	16.00	0.040	16.02	0.040	15.95	0.039
3	64QAM	1	8	16.01	0.040	16.11	0.041	15.99	0.040
3	64QAM	1	14	15.91	0.039	15.89	0.039	15.94	0.039
3	64QAM	8	0	14.75	0.030	14.86	0.031	14.83	0.030
3	64QAM	8	4	14.85	0.031	14.81	0.030	14.77	0.030
3	64QAM	8	7	14.78	0.030	14.83	0.030	14.78	0.030
3	64QAM	15	0	14.79	0.030	14.91	0.031	14.81	0.030



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	17.69	0.059	17.81	0.060	17.66	0.058
1.4	QPSK	1	3	18.01	0.063	17.95	0.062	17.95	0.062
1.4	QPSK	1	5	17.72	0.059	17.70	0.059	17.68	0.059
1.4	QPSK	3	0	17.69	0.059	17.71	0.059	17.62	0.058
1.4	QPSK	3	1	17.63	0.058	17.65	0.058	17.54	0.057
1.4	QPSK	3	3	17.59	0.057	17.66	0.058	17.64	0.058
1.4	QPSK	6	0	16.80	0.048	16.81	0.048	16.83	0.048
1.4	16QAM	1	0	17.03	0.050	17.13	0.052	17.04	0.051
1.4	16QAM	1	3	17.00	0.050	17.07	0.051	16.99	0.050
1.4	16QAM	1	5	16.94	0.049	16.96	0.050	16.84	0.048
1.4	16QAM	3	0	16.56	0.045	16.71	0.047	16.65	0.046
1.4	16QAM	3	1	16.58	0.045	16.66	0.046	16.63	0.046
1.4	16QAM	3	3	16.58	0.045	16.58	0.045	16.57	0.045
1.4	16QAM	6	0	15.77	0.038	15.88	0.039	15.77	0.038
1.4	64QAM	1	0	15.95	0.039	15.99	0.040	15.97	0.040
1.4	64QAM	1	3	15.97	0.040	16.13	0.041	16.05	0.040
1.4	64QAM	1	5	15.90	0.039	15.92	0.039	15.91	0.039
1.4	64QAM	3	0	15.55	0.036	15.68	0.037	15.64	0.037
1.4	64QAM	3	1	15.63	0.037	15.62	0.036	15.58	0.036
1.4	64QAM	3	3	15.60	0.036	15.61	0.036	15.63	0.037
1.4	64QAM	6	0	14.76	0.030	14.89	0.031	14.84	0.030



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.42	0.139	21.55	0.143	21.50	0.141
20	QPSK	1	49	21.67	0.147	21.82	0.152	21.80	0.151
20	QPSK	1	99	21.54	0.143	21.55	0.143	21.46	0.140
20	QPSK	50	0	20.87	0.122	20.89	0.123	20.82	0.121
20	QPSK	50	24	20.77	0.119	20.86	0.122	20.83	0.121
20	QPSK	50	50	20.81	0.121	20.83	0.121	20.77	0.119
20	QPSK	100	0	20.76	0.119	20.84	0.121	20.82	0.121
20	16QAM	1	0	20.58	0.114	20.66	0.116	20.64	0.116
20	16QAM	1	49	21.00	0.126	21.07	0.128	21.03	0.127
20	16QAM	1	99	20.70	0.117	20.73	0.118	20.68	0.117
20	16QAM	50	0	19.85	0.097	19.90	0.098	19.87	0.097
20	16QAM	50	24	19.73	0.094	19.82	0.096	19.75	0.094
20	16QAM	50	50	19.76	0.095	19.86	0.097	19.80	0.095
20	16QAM	100	0	19.82	0.096	19.85	0.097	19.78	0.095
20	64QAM	1	0	19.56	0.090	19.63	0.092	19.57	0.091
20	64QAM	1	49	19.99	0.100	20.04	0.101	19.94	0.099
20	64QAM	1	99	19.65	0.092	19.69	0.093	19.67	0.093
20	64QAM	50	0	18.85	0.077	18.90	0.078	18.88	0.077
20	64QAM	50	24	18.86	0.077	18.87	0.077	18.79	0.076
20	64QAM	50	50	18.77	0.075	18.82	0.076	18.75	0.075
20	64QAM	100	0	18.78	0.076	18.88	0.077	18.81	0.076



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.35	0.136	21.51	0.142	21.42	0.139
15	QPSK	1	37	21.63	0.146	21.72	0.149	21.77	0.150
15	QPSK	1	74	21.52	0.142	21.48	0.141	21.42	0.139
15	QPSK	36	0	20.83	0.121	20.82	0.121	20.81	0.121
15	QPSK	36	20	20.71	0.118	20.83	0.121	20.81	0.121
15	QPSK	36	39	20.78	0.120	20.76	0.119	20.76	0.119
15	QPSK	75	0	20.71	0.118	20.82	0.121	20.77	0.119
15	16QAM	1	0	20.54	0.113	20.61	0.115	20.62	0.115
15	16QAM	1	37	20.94	0.124	20.97	0.125	20.93	0.124
15	16QAM	1	74	20.65	0.116	20.70	0.117	20.66	0.116
15	16QAM	36	0	19.81	0.096	19.89	0.097	19.82	0.096
15	16QAM	36	20	19.65	0.092	19.73	0.094	19.67	0.093
15	16QAM	36	39	19.70	0.093	19.84	0.096	19.79	0.095
15	16QAM	75	0	19.79	0.095	19.82	0.096	19.72	0.094
15	64QAM	1	0	19.53	0.090	19.59	0.091	19.49	0.089
15	64QAM	1	37	19.97	0.099	20.01	0.100	19.86	0.097
15	64QAM	1	74	19.59	0.091	19.63	0.092	19.65	0.092
15	64QAM	36	0	18.78	0.076	18.87	0.077	18.85	0.077
15	64QAM	36	20	18.82	0.076	18.80	0.076	18.73	0.075
15	64QAM	36	39	18.75	0.075	18.78	0.076	18.68	0.074
15	64QAM	75	0	18.70	0.074	18.86	0.077	18.76	0.075



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.35	0.136	21.48	0.141	21.45	0.140
10	QPSK	1	25	21.64	0.146	21.79	0.151	21.71	0.148
10	QPSK	1	49	21.53	0.142	21.49	0.141	21.39	0.138
10	QPSK	25	0	20.85	0.122	20.79	0.120	20.77	0.119
10	QPSK	25	12	20.76	0.119	20.85	0.122	20.75	0.119
10	QPSK	25	25	20.80	0.120	20.77	0.119	20.72	0.118
10	QPSK	50	0	20.75	0.119	20.74	0.119	20.79	0.120
10	16QAM	1	0	20.57	0.114	20.63	0.116	20.54	0.113
10	16QAM	1	25	20.97	0.125	21.03	0.127	20.99	0.126
10	16QAM	1	49	20.61	0.115	20.69	0.117	20.62	0.115
10	16QAM	25	0	19.80	0.095	19.87	0.097	19.77	0.095
10	16QAM	25	12	19.63	0.092	19.81	0.096	19.69	0.093
10	16QAM	25	25	19.75	0.094	19.81	0.096	19.74	0.094
10	16QAM	50	0	19.75	0.094	19.75	0.094	19.76	0.095
10	64QAM	1	0	19.55	0.090	19.58	0.091	19.53	0.090
10	64QAM	1	25	19.95	0.099	19.98	0.100	19.91	0.098
10	64QAM	1	49	19.60	0.091	19.68	0.093	19.63	0.092
10	64QAM	25	0	18.80	0.076	18.82	0.076	18.83	0.076
10	64QAM	25	12	18.85	0.077	18.82	0.076	18.78	0.076
10	64QAM	25	25	18.67	0.074	18.75	0.075	18.68	0.074
10	64QAM	50	0	18.68	0.074	18.86	0.077	18.78	0.076



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.41	0.138	21.46	0.140	21.45	0.140
5	QPSK	1	12	21.61	0.145	21.79	0.151	21.78	0.151
5	QPSK	1	24	21.53	0.142	21.47	0.140	21.39	0.138
5	QPSK	12	0	20.80	0.120	20.88	0.122	20.80	0.120
5	QPSK	12	7	20.73	0.118	20.85	0.122	20.79	0.120
5	QPSK	12	13	20.77	0.119	20.77	0.119	20.68	0.117
5	QPSK	25	0	20.70	0.117	20.78	0.120	20.79	0.120
5	16QAM	1	0	20.56	0.114	20.63	0.116	20.54	0.113
5	16QAM	1	12	20.96	0.125	21.00	0.126	20.96	0.125
5	16QAM	1	24	20.63	0.116	20.68	0.117	20.58	0.114
5	16QAM	12	0	19.76	0.095	19.84	0.096	19.86	0.097
5	16QAM	12	7	19.69	0.093	19.73	0.094	19.72	0.094
5	16QAM	12	13	19.72	0.094	19.79	0.095	19.70	0.093
5	16QAM	25	0	19.79	0.095	19.81	0.096	19.70	0.093
5	64QAM	1	0	19.49	0.089	19.55	0.090	19.49	0.089
5	64QAM	1	12	19.89	0.097	20.00	0.100	19.89	0.097
5	64QAM	1	24	19.63	0.092	19.61	0.091	19.62	0.092
5	64QAM	12	0	18.76	0.075	18.89	0.077	18.82	0.076
5	64QAM	12	7	18.81	0.076	18.82	0.076	18.75	0.075
5	64QAM	12	13	18.70	0.074	18.73	0.075	18.69	0.074
5	64QAM	25	0	18.77	0.075	18.80	0.076	18.77	0.075



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.77	0.075	18.80	0.076	18.78	0.076
10	QPSK	1	25	18.98	0.079	19.00	0.079	18.96	0.079
10	QPSK	1	49	18.84	0.077	18.88	0.077	18.79	0.076
10	QPSK	25	0	18.02	0.063	18.09	0.064	18.00	0.063
10	QPSK	25	12	18.02	0.063	18.03	0.064	17.96	0.063
10	QPSK	25	25	18.01	0.063	18.05	0.064	18.01	0.063
10	QPSK	50	0	18.01	0.063	18.07	0.064	17.97	0.063
10	16QAM	1	0	18.03	0.064	18.10	0.065	18.06	0.064
10	16QAM	1	25	18.32	0.068	18.40	0.069	18.30	0.068
10	16QAM	1	49	18.11	0.065	18.21	0.066	18.13	0.065
10	16QAM	25	0	17.04	0.051	17.13	0.052	17.05	0.051
10	16QAM	25	12	16.94	0.049	17.03	0.050	17.01	0.050
10	16QAM	25	25	17.04	0.051	17.08	0.051	17.02	0.050
10	16QAM	50	0	17.10	0.051	17.11	0.051	17.08	0.051
10	64QAM	1	0	16.93	0.049	16.96	0.050	16.90	0.049
10	64QAM	1	25	17.19	0.052	17.25	0.053	17.21	0.053
10	64QAM	1	49	17.07	0.051	17.09	0.051	17.07	0.051
10	64QAM	25	0	16.08	0.041	16.14	0.041	16.05	0.040
10	64QAM	25	12	15.99	0.040	16.01	0.040	15.97	0.040
10	64QAM	25	25	16.01	0.040	16.10	0.041	16.01	0.040
10	64QAM	50	0	16.06	0.040	16.12	0.041	16.09	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	18.73	0.075	18.75	0.075	18.70	0.074
5	QPSK	1	12	18.97	0.079	18.92	0.078	18.93	0.078
5	QPSK	1	24	18.75	0.075	18.82	0.076	18.73	0.075
5	QPSK	12	0	18.00	0.063	18.04	0.064	17.92	0.062
5	QPSK	12	7	17.92	0.062	17.95	0.062	17.91	0.062
5	QPSK	12	13	17.91	0.062	17.96	0.063	17.92	0.062
5	QPSK	25	0	18.00	0.063	18.02	0.063	17.95	0.062
5	16QAM	1	0	17.97	0.063	18.04	0.064	18.02	0.063
5	16QAM	1	12	18.23	0.067	18.36	0.069	18.24	0.067
5	16QAM	1	24	18.08	0.064	18.15	0.065	18.11	0.065
5	16QAM	12	0	16.95	0.050	17.03	0.050	16.95	0.050
5	16QAM	12	7	16.91	0.049	17.01	0.050	16.94	0.049
5	16QAM	12	13	17.00	0.050	17.03	0.050	17.01	0.050
5	16QAM	25	0	17.09	0.051	17.07	0.051	16.98	0.050
5	64QAM	1	0	16.87	0.049	16.89	0.049	16.86	0.049
5	64QAM	1	12	17.15	0.052	17.23	0.053	17.16	0.052
5	64QAM	1	24	17.02	0.050	17.08	0.051	17.04	0.051
5	64QAM	12	0	16.02	0.040	16.07	0.040	16.00	0.040
5	64QAM	12	7	15.90	0.039	15.96	0.039	15.87	0.039
5	64QAM	12	13	16.00	0.040	16.03	0.040	15.97	0.040
5	64QAM	25	0	16.04	0.040	16.10	0.041	16.05	0.040



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	18.73	0.075	18.74	0.075	18.74	0.075
3	QPSK	1	8	18.90	0.078	18.97	0.079	18.91	0.078
3	QPSK	1	14	18.79	0.076	18.79	0.076	18.69	0.074
3	QPSK	8	0	17.94	0.062	18.05	0.064	17.91	0.062
3	QPSK	8	4	17.95	0.062	17.94	0.062	17.87	0.061
3	QPSK	8	7	17.96	0.063	18.00	0.063	17.94	0.062
3	QPSK	15	0	17.93	0.062	17.98	0.063	17.90	0.062
3	16QAM	1	0	18.00	0.063	18.08	0.064	18.02	0.063
3	16QAM	1	8	18.22	0.066	18.31	0.068	18.26	0.067
3	16QAM	1	14	18.03	0.064	18.14	0.065	18.05	0.064
3	16QAM	8	0	16.94	0.049	17.08	0.051	16.96	0.050
3	16QAM	8	4	16.86	0.049	16.96	0.050	16.92	0.049
3	16QAM	8	7	16.97	0.050	17.03	0.050	16.94	0.049
3	16QAM	15	0	17.06	0.051	17.03	0.050	17.06	0.051
3	64QAM	1	0	16.87	0.049	16.90	0.049	16.81	0.048
3	64QAM	1	8	17.16	0.052	17.18	0.052	17.19	0.052
3	64QAM	1	14	17.04	0.051	17.00	0.050	16.97	0.050
3	64QAM	8	0	16.01	0.040	16.06	0.040	15.97	0.040
3	64QAM	8	4	15.92	0.039	16.00	0.040	15.91	0.039
3	64QAM	8	7	15.95	0.039	16.06	0.040	15.91	0.039
3	64QAM	15	0	16.04	0.040	16.02	0.040	15.99	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	18.69	0.074	18.79	0.076	18.72	0.074
1.4	QPSK	1	3	18.94	0.078	18.95	0.079	18.93	0.078
1.4	QPSK	1	5	18.83	0.076	18.80	0.076	18.72	0.074
1.4	QPSK	3	0	18.77	0.075	18.85	0.077	18.76	0.075
1.4	QPSK	3	1	18.73	0.075	18.74	0.075	18.67	0.074
1.4	QPSK	3	3	18.75	0.075	18.80	0.076	18.75	0.075
1.4	QPSK	6	0	17.95	0.062	17.99	0.063	17.91	0.062
1.4	16QAM	1	0	17.94	0.062	18.09	0.064	17.99	0.063
1.4	16QAM	1	3	18.28	0.067	18.35	0.068	18.25	0.067
1.4	16QAM	1	5	18.06	0.064	18.20	0.066	18.10	0.065
1.4	16QAM	3	0	17.78	0.060	17.86	0.061	17.75	0.060
1.4	16QAM	3	1	17.68	0.059	17.73	0.059	17.75	0.060
1.4	16QAM	3	3	17.78	0.060	17.81	0.060	17.78	0.060
1.4	16QAM	6	0	17.02	0.050	17.08	0.051	17.05	0.051
1.4	64QAM	1	0	16.91	0.049	16.92	0.049	16.87	0.049
1.4	64QAM	1	3	17.18	0.052	17.20	0.052	17.14	0.052
1.4	64QAM	1	5	17.06	0.051	17.00	0.050	17.01	0.050
1.4	64QAM	3	0	16.78	0.048	16.91	0.049	16.82	0.048
1.4	64QAM	3	1	16.77	0.048	16.79	0.048	16.72	0.047
1.4	64QAM	3	3	16.77	0.048	16.84	0.048	16.72	0.047
1.4	64QAM	6	0	16.05	0.040	16.09	0.041	16.02	0.040



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.76	0.075	18.78	0.076	18.75	0.075
10	QPSK	1	25	19.00	0.079	19.03	0.080	18.99	0.079
10	QPSK	1	49	18.88	0.077	18.90	0.078	18.87	0.077
10	QPSK	25	0	17.97	0.063	18.05	0.064	17.96	0.063
10	QPSK	25	12	17.92	0.062	18.00	0.063	17.98	0.063
10	QPSK	25	25	17.98	0.063	18.01	0.063	17.91	0.062
10	QPSK	50	0	17.95	0.062	18.03	0.064	18.00	0.063
10	16QAM	1	0	18.04	0.064	18.10	0.065	18.04	0.064
10	16QAM	1	25	18.31	0.068	18.36	0.069	18.30	0.068
10	16QAM	1	49	18.06	0.064	18.15	0.065	18.08	0.064
10	16QAM	25	0	16.94	0.049	17.03	0.050	16.94	0.049
10	16QAM	25	12	16.98	0.050	17.00	0.050	16.98	0.050
10	16QAM	25	25	16.90	0.049	16.97	0.050	16.96	0.050
10	16QAM	50	0	16.94	0.049	16.99	0.050	16.95	0.050
10	64QAM	1	0	16.91	0.049	16.93	0.049	16.85	0.048
10	64QAM	1	25	17.18	0.052	17.27	0.053	17.24	0.053
10	64QAM	1	49	17.02	0.050	17.04	0.051	16.94	0.049
10	64QAM	25	0	16.04	0.040	16.07	0.040	16.01	0.040
10	64QAM	25	12	15.96	0.039	16.02	0.040	15.96	0.039
10	64QAM	25	25	16.04	0.040	16.05	0.040	16.01	0.040
10	64QAM	50	0	16.04	0.040	16.06	0.040	15.99	0.040



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.73	0.075	18.73	0.075	18.67	0.074
5	QPSK	1	12	18.93	0.078	18.98	0.079	18.89	0.077
5	QPSK	1	24	18.80	0.076	18.81	0.076	18.80	0.076
5	QPSK	12	0	17.87	0.061	18.03	0.064	17.88	0.061
5	QPSK	12	7	17.84	0.061	17.94	0.062	17.97	0.063
5	QPSK	12	13	17.97	0.063	17.99	0.063	17.87	0.061
5	QPSK	25	0	17.90	0.062	18.00	0.063	17.90	0.062
5	16QAM	1	0	18.01	0.063	18.03	0.064	18.01	0.063
5	16QAM	1	12	18.21	0.066	18.35	0.068	18.28	0.067
5	16QAM	1	24	17.97	0.063	18.06	0.064	17.99	0.063
5	16QAM	12	0	16.87	0.049	16.98	0.050	16.92	0.049
5	16QAM	12	7	16.92	0.049	16.92	0.049	16.94	0.049
5	16QAM	12	13	16.85	0.048	16.93	0.049	16.87	0.049
5	16QAM	25	0	16.85	0.048	16.92	0.049	16.85	0.048
5	64QAM	1	0	16.84	0.048	16.90	0.049	16.77	0.048
5	64QAM	1	12	17.11	0.051	17.20	0.052	17.16	0.052
5	64QAM	1	24	17.00	0.050	16.97	0.050	16.84	0.048
5	64QAM	12	0	15.97	0.040	16.05	0.040	15.94	0.039
5	64QAM	12	7	15.86	0.039	16.01	0.040	15.91	0.039
5	64QAM	12	13	16.03	0.040	16.00	0.040	15.92	0.039
5	64QAM	25	0	16.00	0.040	15.99	0.040	15.93	0.039



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	20.96	0.125	21.03	0.127	20.99	0.126
20	QPSK	1	49	21.37	0.137	21.42	0.139	21.40	0.138
20	QPSK	1	99	20.95	0.124	20.99	0.126	20.96	0.125
20	QPSK	50	0	20.41	0.110	20.44	0.111	20.41	0.110
20	QPSK	50	24	20.29	0.107	20.37	0.109	20.30	0.107
20	QPSK	50	50	20.31	0.107	20.34	0.108	20.25	0.106
20	QPSK	100	0	20.34	0.108	20.39	0.109	20.29	0.107
20	16QAM	1	0	20.19	0.104	20.24	0.106	20.15	0.104
20	16QAM	1	49	20.69	0.117	20.71	0.118	20.65	0.116
20	16QAM	1	99	20.23	0.105	20.27	0.106	20.21	0.105
20	16QAM	50	0	19.38	0.087	19.44	0.088	19.36	0.086
20	16QAM	50	24	19.33	0.086	19.36	0.086	19.34	0.086
20	16QAM	50	50	19.34	0.086	19.35	0.086	19.30	0.085
20	16QAM	100	0	19.33	0.086	19.37	0.086	19.29	0.085
20	64QAM	1	0	19.22	0.084	19.23	0.084	19.14	0.082
20	64QAM	1	49	19.61	0.091	19.64	0.092	19.56	0.090
20	64QAM	1	99	19.13	0.082	19.18	0.083	19.14	0.082
20	64QAM	50	0	18.37	0.069	18.43	0.070	18.34	0.068
20	64QAM	50	24	18.35	0.068	18.38	0.069	18.36	0.069
20	64QAM	50	50	18.30	0.068	18.35	0.068	18.34	0.068
20	64QAM	100	0	18.31	0.068	18.36	0.069	18.30	0.068



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	20.88	0.122	21.00	0.126	20.93	0.124
15	QPSK	1	37	21.31	0.135	21.33	0.136	21.37	0.137
15	QPSK	1	74	20.90	0.123	20.93	0.124	20.93	0.124
15	QPSK	36	0	20.34	0.108	20.43	0.110	20.37	0.109
15	QPSK	36	20	20.19	0.104	20.33	0.108	20.22	0.105
15	QPSK	36	39	20.22	0.105	20.26	0.106	20.19	0.104
15	QPSK	75	0	20.32	0.108	20.34	0.108	20.23	0.105
15	16QAM	1	0	20.10	0.102	20.17	0.104	20.10	0.102
15	16QAM	1	37	20.62	0.115	20.65	0.116	20.64	0.116
15	16QAM	1	74	20.22	0.105	20.25	0.106	20.18	0.104
15	16QAM	36	0	19.32	0.086	19.40	0.087	19.35	0.086
15	16QAM	36	20	19.24	0.084	19.28	0.085	19.26	0.084
15	16QAM	36	39	19.26	0.084	19.25	0.084	19.24	0.084
15	16QAM	75	0	19.25	0.084	19.32	0.086	19.25	0.084
15	64QAM	1	0	19.15	0.082	19.15	0.082	19.05	0.080
15	64QAM	1	37	19.51	0.089	19.54	0.090	19.55	0.090
15	64QAM	1	74	19.06	0.081	19.15	0.082	19.09	0.081
15	64QAM	36	0	18.27	0.067	18.38	0.069	18.24	0.067
15	64QAM	36	20	18.25	0.067	18.34	0.068	18.34	0.068
15	64QAM	36	39	18.29	0.067	18.33	0.068	18.31	0.068
15	64QAM	75	0	18.22	0.066	18.27	0.067	18.29	0.067



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	20.89	0.123	20.95	0.124	20.89	0.123
10	QPSK	1	25	21.34	0.136	21.36	0.137	21.34	0.136
10	QPSK	1	49	20.86	0.122	20.92	0.124	20.89	0.123
10	QPSK	25	0	20.35	0.108	20.40	0.110	20.33	0.108
10	QPSK	25	12	20.22	0.105	20.33	0.108	20.20	0.105
10	QPSK	25	25	20.27	0.106	20.31	0.107	20.17	0.104
10	QPSK	50	0	20.29	0.107	20.32	0.108	20.20	0.105
10	16QAM	1	0	20.15	0.104	20.14	0.103	20.09	0.102
10	16QAM	1	25	20.64	0.116	20.65	0.116	20.58	0.114
10	16QAM	1	49	20.20	0.105	20.25	0.106	20.14	0.103
10	16QAM	25	0	19.28	0.085	19.38	0.087	19.28	0.085
10	16QAM	25	12	19.27	0.085	19.28	0.085	19.33	0.086
10	16QAM	25	25	19.27	0.085	19.34	0.086	19.23	0.084
10	16QAM	50	0	19.23	0.084	19.32	0.086	19.25	0.084
10	64QAM	1	0	19.20	0.083	19.20	0.083	19.04	0.080
10	64QAM	1	25	19.53	0.090	19.55	0.090	19.47	0.089
10	64QAM	1	49	19.03	0.080	19.11	0.081	19.12	0.082
10	64QAM	25	0	18.32	0.068	18.42	0.070	18.28	0.067
10	64QAM	25	12	18.33	0.068	18.31	0.068	18.29	0.067
10	64QAM	25	25	18.23	0.067	18.34	0.068	18.30	0.068
10	64QAM	50	0	18.30	0.068	18.35	0.068	18.25	0.067



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	20.92	0.124	20.95	0.124	20.98	0.125
5	QPSK	1	12	21.33	0.136	21.37	0.137	21.39	0.138
5	QPSK	1	24	20.94	0.124	20.90	0.123	20.88	0.122
5	QPSK	12	0	20.33	0.108	20.39	0.109	20.36	0.109
5	QPSK	12	7	20.20	0.105	20.32	0.108	20.27	0.106
5	QPSK	12	13	20.27	0.106	20.26	0.106	20.21	0.105
5	QPSK	25	0	20.33	0.108	20.35	0.108	20.26	0.106
5	16QAM	1	0	20.09	0.102	20.15	0.104	20.06	0.101
5	16QAM	1	12	20.60	0.115	20.62	0.115	20.58	0.114
5	16QAM	1	24	20.15	0.104	20.18	0.104	20.16	0.104
5	16QAM	12	0	19.30	0.085	19.34	0.086	19.33	0.086
5	16QAM	12	7	19.24	0.084	19.28	0.085	19.28	0.085
5	16QAM	12	13	19.28	0.085	19.26	0.084	19.24	0.084
5	16QAM	25	0	19.26	0.084	19.33	0.086	19.24	0.084
5	64QAM	1	0	19.15	0.082	19.22	0.084	19.05	0.080
5	64QAM	1	12	19.60	0.091	19.59	0.091	19.47	0.089
5	64QAM	1	24	19.04	0.080	19.15	0.082	19.08	0.081
5	64QAM	12	0	18.32	0.068	18.33	0.068	18.29	0.067
5	64QAM	12	7	18.31	0.068	18.31	0.068	18.32	0.068
5	64QAM	12	13	18.29	0.067	18.29	0.067	18.27	0.067
5	64QAM	25	0	18.27	0.067	18.28	0.067	18.28	0.067



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	20.90	0.123	21.02	0.126	20.90	0.123
3	QPSK	1	8	21.35	0.136	21.38	0.137	21.36	0.137
3	QPSK	1	14	20.93	0.124	20.93	0.124	20.88	0.122
3	QPSK	8	0	20.39	0.109	20.39	0.109	20.35	0.108
3	QPSK	8	4	20.24	0.106	20.31	0.107	20.25	0.106
3	QPSK	8	7	20.28	0.107	20.27	0.106	20.17	0.104
3	QPSK	15	0	20.32	0.108	20.36	0.109	20.20	0.105
3	16QAM	1	0	20.11	0.103	20.23	0.105	20.10	0.102
3	16QAM	1	8	20.65	0.116	20.62	0.115	20.63	0.116
3	16QAM	1	14	20.19	0.104	20.17	0.104	20.15	0.104
3	16QAM	8	0	19.28	0.085	19.37	0.086	19.28	0.085
3	16QAM	8	4	19.24	0.084	19.26	0.084	19.30	0.085
3	16QAM	8	7	19.25	0.084	19.32	0.086	19.25	0.084
3	16QAM	15	0	19.28	0.085	19.32	0.086	19.22	0.084
3	64QAM	1	0	19.18	0.083	19.18	0.083	19.06	0.081
3	64QAM	1	8	19.55	0.090	19.60	0.091	19.53	0.090
3	64QAM	1	14	19.12	0.082	19.10	0.081	19.05	0.080
3	64QAM	8	0	18.31	0.068	18.42	0.070	18.29	0.067
3	64QAM	8	4	18.29	0.067	18.35	0.068	18.30	0.068
3	64QAM	8	7	18.20	0.066	18.31	0.068	18.29	0.067
3	64QAM	15	0	18.22	0.066	18.34	0.068	18.23	0.067



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	20.92	0.124	20.95	0.124	20.91	0.123
1.4	QPSK	1	3	21.30	0.135	21.40	0.138	21.34	0.136
1.4	QPSK	1	5	20.93	0.124	20.93	0.124	20.89	0.123
1.4	QPSK	3	0	21.17	0.131	21.18	0.131	21.18	0.131
1.4	QPSK	3	1	21.08	0.128	21.17	0.131	21.09	0.129
1.4	QPSK	3	3	21.04	0.127	21.14	0.130	21.00	0.126
1.4	QPSK	6	0	20.27	0.106	20.29	0.107	20.28	0.107
1.4	16QAM	1	0	20.15	0.104	20.19	0.104	20.06	0.101
1.4	16QAM	1	3	20.62	0.115	20.64	0.116	20.55	0.114
1.4	16QAM	1	5	20.22	0.105	20.21	0.105	20.17	0.104
1.4	16QAM	3	0	20.13	0.103	20.19	0.104	20.10	0.102
1.4	16QAM	3	1	20.08	0.102	20.10	0.102	20.15	0.104
1.4	16QAM	3	3	20.06	0.101	20.08	0.102	20.11	0.103
1.4	16QAM	6	0	19.25	0.084	19.33	0.086	19.27	0.085
1.4	64QAM	1	0	19.13	0.082	19.14	0.082	19.08	0.081
1.4	64QAM	1	3	19.56	0.090	19.61	0.091	19.48	0.089
1.4	64QAM	1	5	19.09	0.081	19.10	0.081	19.04	0.080
1.4	64QAM	3	0	19.09	0.081	19.21	0.083	19.08	0.081
1.4	64QAM	3	1	19.10	0.081	19.14	0.082	19.08	0.081
1.4	64QAM	3	3	19.03	0.080	19.09	0.081	19.07	0.081
1.4	64QAM	6	0	18.22	0.066	18.35	0.068	18.22	0.066



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133222		133322		133372	
Frequency (MHz)				673		683		688	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	18.29	0.067	18.34	0.068	18.33	0.068
20	QPSK	1	49	18.81	0.076	18.86	0.077	18.84	0.077
20	QPSK	1	99	18.71	0.074	18.73	0.075	18.70	0.074
20	QPSK	50	0	17.80	0.060	17.86	0.061	17.79	0.060
20	QPSK	50	24	17.75	0.060	17.83	0.061	17.81	0.060
20	QPSK	50	50	17.81	0.060	17.84	0.061	17.74	0.059
20	QPSK	100	0	17.78	0.060	17.83	0.061	17.83	0.061
20	16QAM	1	0	17.87	0.061	17.93	0.062	17.87	0.061
20	16QAM	1	49	18.14	0.065	18.19	0.066	18.13	0.065
20	16QAM	1	99	17.89	0.062	17.98	0.063	17.91	0.062
20	16QAM	50	0	16.77	0.048	16.86	0.049	16.77	0.048
20	16QAM	50	24	16.81	0.048	16.83	0.048	16.81	0.048
20	16QAM	50	50	16.73	0.047	16.80	0.048	16.79	0.048
20	16QAM	100	0	16.77	0.048	16.82	0.048	16.78	0.048
20	64QAM	1	0	16.74	0.047	16.76	0.047	16.68	0.047
20	64QAM	1	49	17.01	0.050	17.10	0.051	17.07	0.051
20	64QAM	1	99	16.85	0.048	16.87	0.049	16.77	0.048
20	64QAM	50	0	15.87	0.039	15.90	0.039	15.84	0.038
20	64QAM	50	24	15.79	0.038	15.85	0.038	15.79	0.038
20	64QAM	50	50	15.87	0.039	15.88	0.039	15.84	0.038
20	64QAM	100	0	15.87	0.039	15.89	0.039	15.82	0.038



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	18.27	0.067	18.31	0.068	18.28	0.067
15	QPSK	1	37	18.79	0.076	18.82	0.076	18.75	0.075
15	QPSK	1	74	18.61	0.073	18.71	0.074	18.68	0.074
15	QPSK	36	0	17.71	0.059	17.80	0.060	17.75	0.060
15	QPSK	36	20	17.72	0.059	17.82	0.061	17.73	0.059
15	QPSK	36	39	17.71	0.059	17.75	0.060	17.73	0.059
15	QPSK	75	0	17.71	0.059	17.77	0.060	17.78	0.060
15	16QAM	1	0	17.77	0.060	17.86	0.061	17.79	0.060
15	16QAM	1	37	18.06	0.064	18.11	0.065	18.11	0.065
15	16QAM	1	74	17.80	0.060	17.91	0.062	17.83	0.061
15	16QAM	36	0	16.75	0.047	16.82	0.048	16.68	0.047
15	16QAM	36	20	16.77	0.048	16.75	0.047	16.75	0.047
15	16QAM	36	39	16.67	0.046	16.77	0.048	16.71	0.047
15	16QAM	75	0	16.70	0.047	16.77	0.048	16.69	0.047
15	64QAM	1	0	16.70	0.047	16.71	0.047	16.62	0.046
15	64QAM	1	37	16.99	0.050	17.02	0.050	17.04	0.051
15	64QAM	1	74	16.80	0.048	16.82	0.048	16.67	0.046
15	64QAM	36	0	15.86	0.039	15.87	0.039	15.83	0.038
15	64QAM	36	20	15.77	0.038	15.83	0.038	15.71	0.037
15	64QAM	36	39	15.85	0.038	15.84	0.038	15.76	0.038
15	64QAM	75	0	15.83	0.038	15.85	0.038	15.75	0.038



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133172		133297		133422	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.28	0.067	18.28	0.067	18.26	0.067
10	QPSK	1	25	18.79	0.076	18.82	0.076	18.75	0.075
10	QPSK	1	49	18.62	0.073	18.71	0.074	18.62	0.073
10	QPSK	25	0	17.75	0.060	17.79	0.060	17.73	0.059
10	QPSK	25	12	17.68	0.059	17.82	0.061	17.78	0.060
10	QPSK	25	25	17.80	0.060	17.83	0.061	17.64	0.058
10	QPSK	50	0	17.76	0.060	17.74	0.059	17.78	0.060
10	16QAM	1	0	17.80	0.060	17.84	0.061	17.83	0.061
10	16QAM	1	25	18.09	0.064	18.18	0.066	18.04	0.064
10	16QAM	1	49	17.81	0.060	17.88	0.061	17.84	0.061
10	16QAM	25	0	16.69	0.047	16.82	0.048	16.76	0.047
10	16QAM	25	12	16.78	0.048	16.79	0.048	16.74	0.047
10	16QAM	25	25	16.65	0.046	16.74	0.047	16.73	0.047
10	16QAM	50	0	16.71	0.047	16.80	0.048	16.68	0.047
10	64QAM	1	0	16.66	0.046	16.74	0.047	16.61	0.046
10	64QAM	1	25	16.97	0.050	17.05	0.051	17.05	0.051
10	64QAM	1	49	16.77	0.048	16.86	0.049	16.75	0.047
10	64QAM	25	0	15.80	0.038	15.89	0.039	15.74	0.037
10	64QAM	25	12	15.78	0.038	15.82	0.038	15.71	0.037
10	64QAM	25	25	15.82	0.038	15.83	0.038	15.83	0.038
10	64QAM	50	0	15.83	0.038	15.86	0.039	15.73	0.037



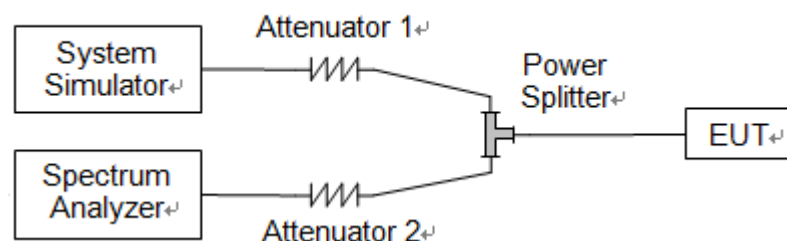
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.20	0.066	18.29	0.067	18.27	0.067
5	QPSK	1	12	18.78	0.076	18.78	0.076	18.79	0.076
5	QPSK	1	24	18.62	0.073	18.70	0.074	18.65	0.073
5	QPSK	12	0	17.73	0.059	17.76	0.060	17.72	0.059
5	QPSK	12	7	17.74	0.059	17.78	0.060	17.74	0.059
5	QPSK	12	13	17.71	0.059	17.78	0.060	17.68	0.059
5	QPSK	25	0	17.72	0.059	17.81	0.060	17.75	0.060
5	16QAM	1	0	17.85	0.061	17.86	0.061	17.79	0.060
5	16QAM	1	12	18.08	0.064	18.18	0.066	18.10	0.065
5	16QAM	1	24	17.86	0.061	17.96	0.063	17.83	0.061
5	16QAM	12	0	16.72	0.047	16.79	0.048	16.71	0.047
5	16QAM	12	7	16.80	0.048	16.75	0.047	16.72	0.047
5	16QAM	12	13	16.68	0.047	16.75	0.047	16.69	0.047
5	16QAM	25	0	16.68	0.047	16.75	0.047	16.72	0.047
5	64QAM	1	0	16.68	0.047	16.66	0.046	16.67	0.046
5	64QAM	1	12	16.97	0.050	17.04	0.051	17.01	0.050
5	64QAM	1	24	16.82	0.048	16.86	0.049	16.70	0.047
5	64QAM	12	0	15.79	0.038	15.89	0.039	15.76	0.038
5	64QAM	12	7	15.77	0.038	15.81	0.038	15.73	0.037
5	64QAM	12	13	15.81	0.038	15.82	0.038	15.82	0.038
5	64QAM	25	0	15.81	0.038	15.84	0.038	15.76	0.038

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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

**2.2.4. Test Result**

LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B2	1.4	Low	18607	1850.7	QPSK	1.0888	1.2708	PASS
B2	1.4	Low	18607	1850.7	16QAM	1.0987	1.3015	PASS
B2	1.4	Low	18607	1850.7	64QAM	1.0978	1.3068	PASS
B2	1.4	Mid	18900	1880	QPSK	1.0935	1.2702	PASS
B2	1.4	Mid	18900	1880	16QAM	1.0949	1.2995	PASS
B2	1.4	Mid	18900	1880	64QAM	1.0991	1.2920	PASS
B2	1.4	High	19193	1909.3	QPSK	1.0924	1.2579	PASS
B2	1.4	High	19193	1909.3	16QAM	1.0980	1.2935	PASS
B2	1.4	High	19193	1909.3	64QAM	1.0970	1.2897	PASS
B2	3	Low	18615	1851.5	QPSK	2.6873	2.9174	PASS
B2	3	Low	18615	1851.5	16QAM	2.6899	2.9223	PASS
B2	3	Low	18615	1851.5	64QAM	2.6988	2.9177	PASS
B2	3	Mid	18900	1880	QPSK	2.6889	2.9273	PASS
B2	3	Mid	18900	1880	16QAM	2.6900	2.9334	PASS
B2	3	Mid	18900	1880	64QAM	2.6897	2.9194	PASS
B2	3	High	19185	1908.5	QPSK	2.6876	2.9159	PASS
B2	3	High	19185	1908.5	16QAM	2.6931	2.9264	PASS
B2	3	High	19185	1908.5	64QAM	2.6991	2.9157	PASS
B2	5	Low	18625	1852.5	QPSK	4.4725	4.8233	PASS
B2	5	Low	18625	1852.5	16QAM	4.4746	4.8136	PASS
B2	5	Low	18625	1852.5	64QAM	4.4808	4.7986	PASS
B2	5	Mid	18900	1880	QPSK	4.4709	4.8241	PASS
B2	5	Mid	18900	1880	16QAM	4.4750	4.8394	PASS
B2	5	Mid	18900	1880	64QAM	4.4830	4.8016	PASS
B2	5	High	19175	1907.5	QPSK	4.4765	4.8166	PASS
B2	5	High	19175	1907.5	16QAM	4.4668	4.8341	PASS
B2	5	High	19175	1907.5	64QAM	4.4709	4.8367	PASS
B2	10	Low	18650	1855	QPSK	8.9521	9.5958	PASS
B2	10	Low	18650	1855	16QAM	8.9281	9.5130	PASS
B2	10	Low	18650	1855	64QAM	8.9573	9.5706	PASS
B2	10	Mid	18900	1880	QPSK	8.9453	9.5159	PASS
B2	10	Mid	18900	1880	16QAM	8.9279	9.5283	PASS
B2	10	Mid	18900	1880	64QAM	8.9472	9.5604	PASS



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B2	10	High	19150	1905	QPSK	8.9532	9.5614	PASS
B2	10	High	19150	1905	16QAM	8.9277	9.5305	PASS
B2	10	High	19150	1905	64QAM	8.9414	9.5758	PASS
B2	15	Low	18675	1857.5	QPSK	13.464	14.405	PASS
B2	15	Low	18675	1857.5	16QAM	13.423	14.429	PASS
B2	15	Low	18675	1857.5	64QAM	13.412	14.313	PASS
B2	15	Mid	18900	1880	QPSK	13.469	14.350	PASS
B2	15	Mid	18900	1880	16QAM	13.405	14.402	PASS
B2	15	Mid	18900	1880	64QAM	13.389	14.280	PASS
B2	15	High	19125	1902.5	QPSK	13.395	14.264	PASS
B2	15	High	19125	1902.5	16QAM	13.404	14.373	PASS
B2	15	High	19125	1902.5	64QAM	13.402	14.400	PASS
B2	20	Low	18700	1860	QPSK	17.900	19.046	PASS
B2	20	Low	18700	1860	16QAM	17.915	19.068	PASS
B2	20	Low	18700	1860	64QAM	17.905	19.111	PASS
B2	20	Mid	18900	1880	QPSK	17.894	19.450	PASS
B2	20	Mid	18900	1880	16QAM	17.917	19.036	PASS
B2	20	Mid	18900	1880	64QAM	17.926	19.153	PASS
B2	20	High	19100	1900	QPSK	17.875	18.945	PASS
B2	20	High	19100	1900	16QAM	17.898	19.070	PASS
B2	20	High	19100	1900	64QAM	17.875	19.157	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	1.0924	1.2879	PASS
B4	1.4	Low	19957	1710.7	16QAM	1.0996	1.2816	PASS
B4	1.4	Low	19957	1710.7	64QAM	1.0999	1.2854	PASS
B4	1.4	Mid	20175	1732.5	QPSK	1.0964	1.2736	PASS
B4	1.4	Mid	20175	1732.5	16QAM	1.0969	1.2937	PASS
B4	1.4	Mid	20175	1732.5	64QAM	1.0981	1.2917	PASS
B4	1.4	High	20393	1754.3	QPSK	1.0941	1.2761	PASS
B4	1.4	High	20393	1754.3	16QAM	1.0988	1.2829	PASS
B4	1.4	High	20393	1754.3	64QAM	1.0988	1.2921	PASS
B4	3	Low	19965	1711.5	QPSK	2.6876	2.9201	PASS
B4	3	Low	19965	1711.5	16QAM	2.6876	2.9348	PASS
B4	3	Low	19965	1711.5	64QAM	2.6989	2.9147	PASS
B4	3	Mid	20175	1732.5	QPSK	2.6853	2.9184	PASS
B4	3	Mid	20175	1732.5	16QAM	2.6920	2.9252	PASS
B4	3	Mid	20175	1732.5	64QAM	2.6956	2.9184	PASS
B4	3	High	20385	1753.5	QPSK	2.6943	2.9284	PASS
B4	3	High	20385	1753.5	16QAM	2.6822	2.9318	PASS
B4	3	High	20385	1753.5	64QAM	2.6975	2.9209	PASS
B4	5	Low	19975	1712.5	QPSK	4.4688	4.8236	PASS
B4	5	Low	19975	1712.5	16QAM	4.4889	4.7420	PASS
B4	5	Low	19975	1712.5	64QAM	4.4753	4.8465	PASS
B4	5	Mid	20175	1732.5	QPSK	4.4687	4.8322	PASS
B4	5	Mid	20175	1732.5	16QAM	4.4760	4.8030	PASS
B4	5	Mid	20175	1732.5	64QAM	4.4791	4.8181	PASS
B4	5	High	20375	1752.5	QPSK	4.4712	4.8216	PASS
B4	5	High	20375	1752.5	16QAM	4.4709	4.8017	PASS
B4	5	High	20375	1752.5	64QAM	4.4758	4.8241	PASS
B4	10	Low	20000	1715	QPSK	8.9414	9.5391	PASS
B4	10	Low	20000	1715	16QAM	8.9354	9.4986	PASS
B4	10	Low	20000	1715	64QAM	8.9422	9.5515	PASS
B4	10	Mid	20175	1732.5	QPSK	8.9521	9.5335	PASS
B4	10	Mid	20175	1732.5	16QAM	8.9380	9.5399	PASS
B4	10	Mid	20175	1732.5	64QAM	8.9443	9.5815	PASS
B4	10	High	20350	1750	QPSK	8.9511	9.5810	PASS
B4	10	High	20350	1750	16QAM	8.9375	9.5310	PASS



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B4	10	High	20350	1750	64QAM	8.9404	9.5627	PASS
B4	15	Low	20025	1717.5	QPSK	13.470	14.373	PASS
B4	15	Low	20025	1717.5	16QAM	13.428	14.321	PASS
B4	15	Low	20025	1717.5	64QAM	13.399	14.289	PASS
B4	15	Mid	20175	1732.5	QPSK	13.451	14.348	PASS
B4	15	Mid	20175	1732.5	16QAM	13.433	14.411	PASS
B4	15	Mid	20175	1732.5	64QAM	13.404	14.390	PASS
B4	15	High	20325	1747.5	QPSK	13.427	14.308	PASS
B4	15	High	20325	1747.5	16QAM	13.436	14.450	PASS
B4	15	High	20325	1747.5	64QAM	13.432	17.872	PASS
B4	20	Low	20050	1720	QPSK	17.903	18.931	PASS
B4	20	Low	20050	1720	16QAM	17.931	19.029	PASS
B4	20	Low	20050	1720	64QAM	17.921	19.146	PASS
B4	20	Mid	20175	1732.5	QPSK	17.902	19.026	PASS
B4	20	Mid	20175	1732.5	16QAM	17.933	18.973	PASS
B4	20	Mid	20175	1732.5	64QAM	17.920	19.057	PASS
B4	20	High	20300	1745	QPSK	17.913	19.164	PASS
B4	20	High	20300	1745	16QAM	17.941	18.976	PASS
B4	20	High	20300	1745	64QAM	17.908	19.012	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	1.0957	1.2728	PASS
B5	1.4	Low	20407	824.7	16QAM	1.0956	1.2873	PASS
B5	1.4	Low	20407	824.7	64QAM	1.0987	1.2842	PASS
B5	1.4	Mid	20525	836.5	QPSK	1.0909	1.2771	PASS
B5	1.4	Mid	20525	836.5	16QAM	1.0994	1.3143	PASS
B5	1.4	Mid	20525	836.5	64QAM	1.1000	1.2908	PASS
B5	1.4	High	20643	848.3	QPSK	1.0916	1.2750	PASS
B5	1.4	High	20643	848.3	16QAM	1.1002	1.2981	PASS
B5	1.4	High	20643	848.3	64QAM	1.1020	1.2931	PASS
B5	3	Low	20415	825.5	QPSK	2.6908	2.9215	PASS
B5	3	Low	20415	825.5	16QAM	2.6941	2.9500	PASS
B5	3	Low	20415	825.5	64QAM	2.7004	3.4023	PASS
B5	3	Mid	20525	836.5	QPSK	2.6898	2.9152	PASS
B5	3	Mid	20525	836.5	16QAM	2.6937	2.9220	PASS
B5	3	Mid	20525	836.5	64QAM	2.6982	2.9177	PASS
B5	3	High	20635	847.5	QPSK	2.6866	2.9183	PASS
B5	3	High	20635	847.5	16QAM	2.6906	3.0735	PASS
B5	3	High	20635	847.5	64QAM	2.6994	3.2610	PASS
B5	5	Low	20425	826.5	QPSK	4.4748	4.8530	PASS
B5	5	Low	20425	826.5	16QAM	4.4653	4.8111	PASS
B5	5	Low	20425	826.5	64QAM	4.4750	4.8142	PASS
B5	5	Mid	20525	836.5	QPSK	4.4718	4.8963	PASS
B5	5	Mid	20525	836.5	16QAM	4.4716	4.8800	PASS
B5	5	Mid	20525	836.5	64QAM	4.4751	4.8151	PASS
B5	5	High	20625	846.5	QPSK	4.4752	4.8007	PASS
B5	5	High	20625	846.5	16QAM	4.4679	4.8342	PASS
B5	5	High	20625	846.5	64QAM	4.4734	4.8258	PASS
B5	10	Low	20450	829	QPSK	8.9537	9.6035	PASS
B5	10	Low	20450	829	16QAM	8.9305	9.5550	PASS
B5	10	Low	20450	829	64QAM	8.9435	9.5866	PASS
B5	10	Mid	20525	836.5	QPSK	8.9488	9.5769	PASS
B5	10	Mid	20525	836.5	16QAM	8.9246	9.5324	PASS
B5	10	Mid	20525	836.5	64QAM	8.9329	9.5738	PASS
B5	10	High	20600	844	QPSK	8.9464	9.5616	PASS
B5	10	High	20600	844	16QAM	8.9282	9.4667	PASS



B5	10	High	20600	844	64QAM	8.9406	9.5314	PASS
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LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B7	5	Low	20775	2502.5	QPSK	4.4699	4.8629	PASS
B7	5	Low	20775	2502.5	16QAM	4.4758	4.8204	PASS
B7	5	Low	20775	2502.5	64QAM	4.4817	4.8548	PASS
B7	5	Mid	21100	2535	QPSK	4.4710	4.8304	PASS
B7	5	Mid	21100	2535	16QAM	4.4769	4.8908	PASS
B7	5	Mid	21100	2535	64QAM	4.4729	4.8301	PASS
B7	5	High	21425	2567.5	QPSK	4.4735	4.8287	PASS
B7	5	High	21425	2567.5	16QAM	4.4746	4.8344	PASS
B7	5	High	21425	2567.5	64QAM	4.4832	4.8153	PASS
B7	10	Low	20800	2505	QPSK	8.9420	9.5371	PASS
B7	10	Low	20800	2505	16QAM	8.9317	9.5499	PASS
B7	10	Low	20800	2505	64QAM	8.9541	9.5743	PASS
B7	10	Mid	21100	2535	QPSK	8.9576	9.5978	PASS
B7	10	Mid	21100	2535	16QAM	8.9493	9.5376	PASS
B7	10	Mid	21100	2535	64QAM	8.9530	9.6179	PASS
B7	10	High	21400	2565	QPSK	8.9471	9.6171	PASS
B7	10	High	21400	2565	16QAM	8.9435	9.6140	PASS
B7	10	High	21400	2565	64QAM	8.9463	9.5745	PASS
B7	15	Low	20825	2507.5	QPSK	13.411	14.300	PASS
B7	15	Low	20825	2507.5	16QAM	13.416	14.453	PASS
B7	15	Low	20825	2507.5	64QAM	13.396	14.461	PASS
B7	15	Mid	21100	2535	QPSK	13.438	14.265	PASS
B7	15	Mid	21100	2535	16QAM	13.426	14.553	PASS
B7	15	Mid	21100	2535	64QAM	13.421	14.370	PASS
B7	15	High	21375	2562.5	QPSK	13.455	14.211	PASS
B7	15	High	21375	2562.5	16QAM	13.412	14.241	PASS
B7	15	High	21375	2562.5	64QAM	13.391	14.324	PASS
B7	20	Low	20850	2510	QPSK	17.867	18.975	PASS
B7	20	Low	20850	2510	16QAM	17.914	19.031	PASS
B7	20	Low	20850	2510	64QAM	17.901	19.068	PASS
B7	20	Mid	21100	2535	QPSK	17.936	19.016	PASS
B7	20	Mid	21100	2535	16QAM	17.913	19.087	PASS
B7	20	Mid	21100	2535	64QAM	17.927	19.033	PASS



B7	20	High	21350	2560	QPSK	17.860	18.971	PASS
B7	20	High	21350	2560	16QAM	17.851	18.954	PASS
B7	20	High	21350	2560	64QAM	17.851	19.023	PASS

LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B12	1.4	Low	23017	699.7	QPSK	1.0934	1.2883	PASS
B12	1.4	Low	23017	699.7	16QAM	1.0982	1.2946	PASS
B12	1.4	Low	23017	699.7	64QAM	1.0970	1.2965	PASS
B12	1.4	Mid	23095	707.5	QPSK	1.0956	1.2671	PASS
B12	1.4	Mid	23095	707.5	16QAM	1.1026	1.3410	PASS
B12	1.4	Mid	23095	707.5	64QAM	1.0997	1.2928	PASS
B12	1.4	High	23173	715.3	QPSK	1.0945	1.2681	PASS
B12	1.4	High	23173	715.3	16QAM	1.0994	1.3001	PASS
B12	1.4	High	23173	715.3	64QAM	1.0983	1.2884	PASS
B12	3	Low	23025	700.5	QPSK	2.6881	2.9028	PASS
B12	3	Low	23025	700.5	16QAM	2.6873	2.9260	PASS
B12	3	Low	23025	700.5	64QAM	2.6973	2.9209	PASS
B12	3	Mid	23095	707.5	QPSK	2.6923	2.9171	PASS
B12	3	Mid	23095	707.5	16QAM	2.6932	3.1348	PASS
B12	3	Mid	23095	707.5	64QAM	2.6994	2.9191	PASS
B12	3	High	23165	714.5	QPSK	2.6944	3.0960	PASS
B12	3	High	23165	714.5	16QAM	2.6873	3.2691	PASS
B12	3	High	23165	714.5	64QAM	2.6977	2.9115	PASS
B12	5	Low	23035	701.5	QPSK	4.4738	5.0227	PASS
B12	5	Low	23035	701.5	16QAM	4.4722	4.9948	PASS
B12	5	Low	23035	701.5	64QAM	4.4823	4.9965	PASS
B12	5	Mid	23095	707.5	QPSK	4.4884	5.0152	PASS
B12	5	Mid	23095	707.5	16QAM	4.4774	5.0217	PASS
B12	5	Mid	23095	707.5	64QAM	4.4933	4.9969	PASS
B12	5	High	23155	713.5	QPSK	4.4814	4.9560	PASS
B12	5	High	23155	713.5	16QAM	4.4650	5.1001	PASS
B12	5	High	23155	713.5	64QAM	4.4814	5.0383	PASS
B12	10	Low	23060	704	QPSK	8.9401	9.7609	PASS
B12	10	Low	23060	704	16QAM	8.9094	9.7746	PASS
B12	10	Low	23060	704	64QAM	8.9368	9.8702	PASS
B12	10	Mid	23095	707.5	QPSK	8.9727	9.8296	PASS



B12	10	Mid	23095	707.5	16QAM	8.9563	9.7404	PASS
B12	10	Mid	23095	707.5	64QAM	8.9763	9.9300	PASS
B12	10	High	23130	711	QPSK	8.9374	9.7396	PASS
B12	10	High	23130	711	16QAM	8.9092	9.7244	PASS
B12	10	High	23130	711	64QAM	8.9347	9.7678	PASS

LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B17	5	Low	23755	706.5	QPSK	4.4852	5.0177	PASS
B17	5	Low	23755	706.5	16QAM	4.4868	5.0217	PASS
B17	5	Low	23755	706.5	64QAM	4.4902	5.0609	PASS
B17	5	Mid	23790	710	QPSK	4.4808	5.0138	PASS
B17	5	Mid	23790	710	16QAM	4.4771	5.0298	PASS
B17	5	Mid	23790	710	64QAM	4.4892	4.9590	PASS
B17	5	High	23825	713.5	QPSK	4.4711	5.0201	PASS
B17	5	High	23825	713.5	16QAM	4.4735	4.9810	PASS
B17	5	High	23825	713.5	64QAM	4.4857	5.0193	PASS
B17	10	Low	23780	709	QPSK	8.9658	9.8679	PASS
B17	10	Low	23780	709	16QAM	8.9419	9.8063	PASS
B17	10	Low	23780	709	64QAM	8.9518	9.7861	PASS
B17	10	Mid	23790	710	QPSK	8.9573	9.7735	PASS
B17	10	Mid	23790	710	16QAM	8.9188	9.7261	PASS
B17	10	Mid	23790	710	64QAM	8.9433	9.8868	PASS
B17	10	High	23800	711	QPSK	8.9319	9.7656	PASS
B17	10	High	23800	711	16QAM	8.9089	9.6701	PASS
B17	10	High	23800	711	64QAM	8.9271	9.7759	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	1.0925	1.2971	PASS
B66	1.4	Low	131979	1710.7	16QAM	1.0960	1.2993	PASS
B66	1.4	Low	131979	1710.7	64QAM	1.0980	1.3024	PASS
B66	1.4	Mid	132322	1745	QPSK	1.0964	1.2723	PASS
B66	1.4	Mid	132322	1745	16QAM	1.0931	1.2934	PASS
B66	1.4	Mid	132322	1745	64QAM	1.0996	1.3025	PASS
B66	1.4	High	132665	1779.3	QPSK	1.0941	1.2926	PASS
B66	1.4	High	132665	1779.3	16QAM	1.0995	1.3003	PASS
B66	1.4	High	132665	1779.3	64QAM	1.0985	1.2877	PASS
B66	3	Low	131987	1711.5	QPSK	2.6910	2.9120	PASS
B66	3	Low	131987	1711.5	16QAM	2.6947	2.9388	PASS
B66	3	Low	131987	1711.5	64QAM	2.6988	2.9142	PASS
B66	3	Mid	132322	1745	QPSK	2.6889	2.9115	PASS
B66	3	Mid	132322	1745	16QAM	2.6928	2.9347	PASS
B66	3	Mid	132322	1745	64QAM	2.6993	2.9200	PASS
B66	3	High	132657	1778.5	QPSK	2.6893	2.9194	PASS
B66	3	High	132657	1778.5	16QAM	2.6902	2.9288	PASS
B66	3	High	132657	1778.5	64QAM	2.6909	2.9184	PASS
B66	5	Low	131997	1712.5	QPSK	4.4766	5.0429	PASS
B66	5	Low	131997	1712.5	16QAM	4.4742	5.0185	PASS
B66	5	Low	131997	1712.5	64QAM	4.4920	5.0070	PASS
B66	5	Mid	132322	1745	QPSK	4.4759	5.0395	PASS
B66	5	Mid	132322	1745	16QAM	4.4747	5.0261	PASS
B66	5	Mid	132322	1745	64QAM	4.4896	4.9996	PASS
B66	5	High	132647	1777.5	QPSK	4.4821	5.0359	PASS
B66	5	High	132647	1777.5	16QAM	4.4708	4.9974	PASS
B66	5	High	132647	1777.5	64QAM	4.4894	5.0404	PASS
B66	10	Low	132022	1715	QPSK	8.9670	9.8424	PASS
B66	10	Low	132022	1715	16QAM	8.9381	9.7829	PASS
B66	10	Low	132022	1715	64QAM	8.9483	9.7841	PASS
B66	10	Mid	132322	1745	QPSK	8.9620	9.8299	PASS
B66	10	Mid	132322	1745	16QAM	8.9426	9.7189	PASS
B66	10	Mid	132322	1745	64QAM	8.9637	9.8991	PASS
B66	10	High	132622	1775	QPSK	8.9679	9.8003	PASS
B66	10	High	132622	1775	16QAM	8.9423	9.8159	PASS



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B66	10	High	132622	1775	64QAM	8.9599	9.8120	PASS
B66	15	Low	132047	1717.5	QPSK	13.451	14.671	PASS
B66	15	Low	132047	1717.5	16QAM	13.445	14.831	PASS
B66	15	Low	132047	1717.5	64QAM	13.421	14.750	PASS
B66	15	Mid	132322	1745	QPSK	13.431	14.715	PASS
B66	15	Mid	132322	1745	16QAM	13.441	14.718	PASS
B66	15	Mid	132322	1745	64QAM	13.440	14.785	PASS
B66	15	High	132597	1772.5	QPSK	13.452	14.657	PASS
B66	15	High	132597	1772.5	16QAM	13.451	14.767	PASS
B66	15	High	132597	1772.5	64QAM	13.420	14.751	PASS
B66	20	Low	132072	1720	QPSK	17.921	19.397	PASS
B66	20	Low	132072	1720	16QAM	17.910	19.331	PASS
B66	20	Low	132072	1720	64QAM	17.935	19.469	PASS
B66	20	Mid	132322	1745	QPSK	17.930	19.470	PASS
B66	20	Mid	132322	1745	16QAM	17.929	19.412	PASS
B66	20	Mid	132322	1745	64QAM	17.956	19.606	PASS
B66	20	High	132572	1770	QPSK	17.908	19.279	PASS
B66	20	High	132572	1770	16QAM	17.926	19.318	PASS
B66	20	High	132572	1770	64QAM	17.950	19.420	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B71	5	Low	133147	665.5	QPSK	4.4734	4.9975	PASS
B71	5	Low	133147	665.5	16QAM	4.4639	5.0002	PASS
B71	5	Low	133147	665.5	64QAM	4.4860	4.9899	PASS
B71	5	Mid	133297	680.5	QPSK	4.4803	5.0206	PASS
B71	5	Mid	133297	680.5	16QAM	4.4846	5.0377	PASS
B71	5	Mid	133297	680.5	64QAM	4.4923	5.0120	PASS
B71	5	High	133447	695.5	QPSK	4.4800	5.0380	PASS
B71	5	High	133447	695.5	16QAM	4.4794	5.0533	PASS
B71	5	High	133447	695.5	64QAM	4.4897	5.0117	PASS
B71	10	Low	133172	668	QPSK	8.9637	9.8057	PASS
B71	10	Low	133172	668	16QAM	8.9494	9.8288	PASS
B71	10	Low	133172	668	64QAM	8.9588	9.8484	PASS
B71	10	Mid	133297	680.5	QPSK	8.9450	9.6610	PASS
B71	10	Mid	133297	680.5	16QAM	8.9344	9.6535	PASS
B71	10	Mid	133297	680.5	64QAM	8.9615	9.8079	PASS
B71	10	High	133422	693	QPSK	8.9529	9.8056	PASS
B71	10	High	133422	693	16QAM	8.9341	9.6485	PASS
B71	10	High	133422	693	64QAM	8.9537	9.8393	PASS
B71	15	Low	133197	670.5	QPSK	13.469	14.664	PASS
B71	15	Low	133197	670.5	16QAM	13.451	14.657	PASS
B71	15	Low	133197	670.5	64QAM	13.455	14.816	PASS
B71	15	Mid	133297	680.5	QPSK	13.432	14.642	PASS
B71	15	Mid	133297	680.5	16QAM	13.431	14.896	PASS
B71	15	Mid	133297	680.5	64QAM	13.422	14.685	PASS
B71	15	High	133397	690.5	QPSK	13.444	14.677	PASS
B71	15	High	133397	690.5	16QAM	13.428	14.831	PASS
B71	15	High	133397	690.5	64QAM	13.406	14.711	PASS
B71	20	Low	133222	673	QPSK	17.901	19.232	PASS
B71	20	Low	133222	673	16QAM	17.903	19.273	PASS
B71	20	Low	133222	673	64QAM	17.906	19.347	PASS
B71	20	Mid	133322	683	QPSK	17.910	19.412	PASS
B71	20	Mid	133322	683	16QAM	17.907	19.446	PASS
B71	20	Mid	133322	683	64QAM	17.945	19.410	PASS
B71	20	High	133372	688	QPSK	17.928	19.327	PASS
B71	20	High	133372	688	16QAM	17.915	19.353	PASS



B71	20	High	133372	688	64QAM	17.943	19.396	PASS
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B2 / 1.4MHz / QPSK/ Low CH



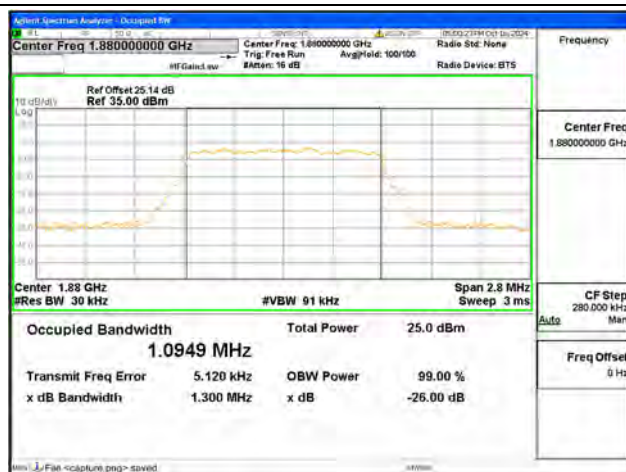
B2 / 1.4MHz / 16QAM/ Low CH



B2 / 1.4MHz / 64QAM/ Low CH



B2 / 1.4MHz / QPSK/ Mid CH



B2 / 1.4MHz / 16QAM/ Mid CH



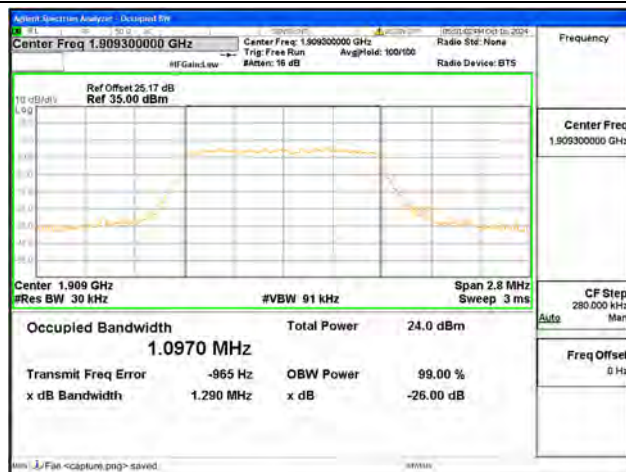
B2 / 1.4MHz / 64QAM/ Mid CH



B2 / 1.4MHz / QPSK/ High CH



B2 / 1.4MHz / 16QAM/ High CH



B2 / 1.4MHz / 64QAM/ High CH



B2 / 3MHz / QPSK/ Low CH



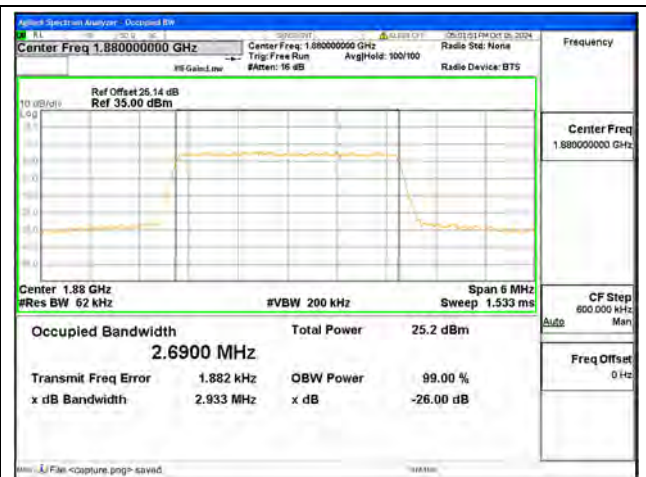
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B2 / 3MHz / 64QAM/ Low CH



B2 / 3MHz / QPSK/ Mid CH



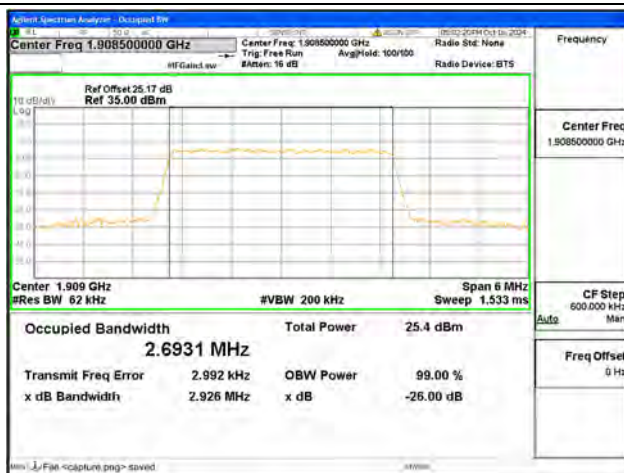
B2 / 3MHz / 16QAM/ Mid CH



B2 / 3MHz / 64QAM/ Mid CH



B2 / 3MHz / QPSK/ High CH



B2 / 3MHz / 16QAM/ High CH



B2 / 3MHz / 64QAM/ High CH



B2 / 5MHz / QPSK/ Low CH



B2 / 5MHz / 16QAM/ Low CH



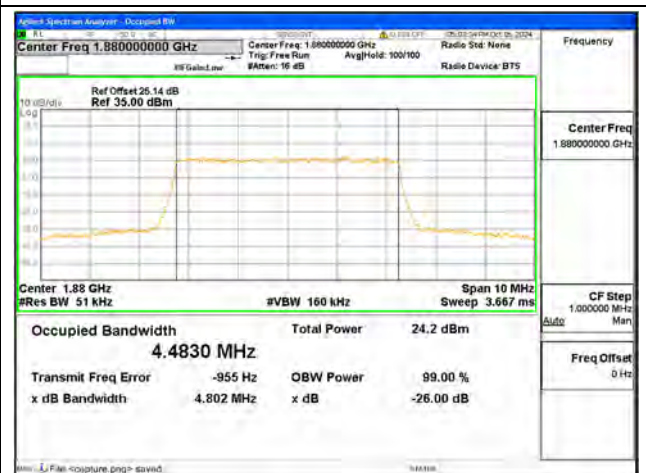
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B2 / 5MHz / QPSK/ Mid CH



B2 / 5MHz / 16QAM/ Mid CH



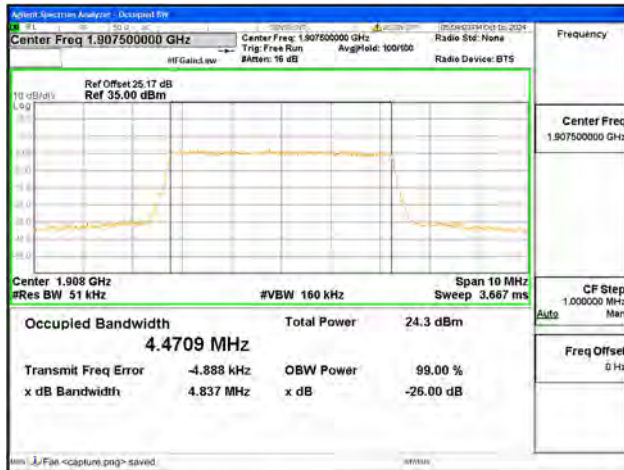
B2 / 5MHz / 64QAM/ Mid CH



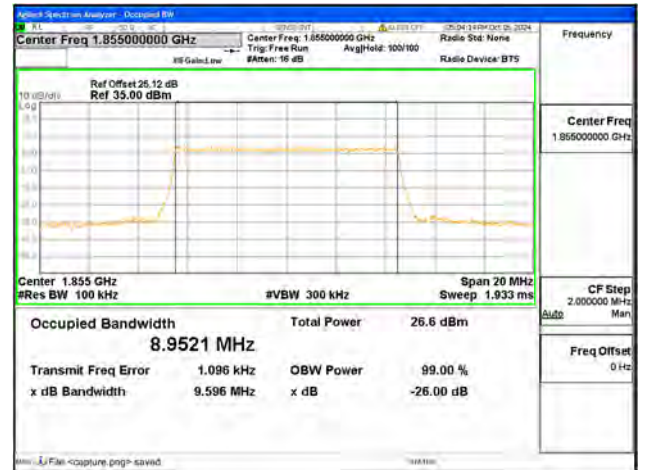
B2 / 5MHz / QPSK/ High CH



B2 / 5MHz / 16QAM/ High CH



B2 / 5MHz / 64QAM/ High CH



B2 / 10MHz / QPSK/ Low CH



B2 / 10MHz / 16QAM/ Low CH



B2 / 10MHz / 64QAM/ Low CH



B2 / 10MHz / QPSK/ Mid CH



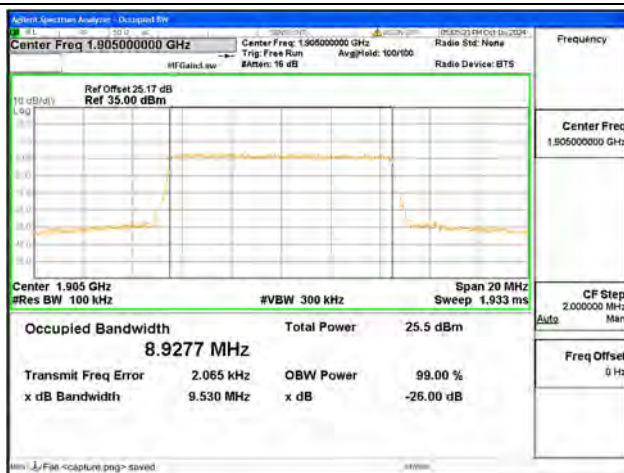
B2 / 10MHz / 16QAM/ Mid CH



B2 / 10MHz / 64QAM/ Mid CH



B2 / 10MHz / QPSK/ High CH



B2 / 10MHz / 16QAM/ High CH



B2 / 10MHz / 64QAM/ High CH



B2 / 15MHz / QPSK/ Low CH



B2 / 15MHz / 16QAM/ Low CH



B2 / 15MHz / 64QAM/ Low CH



B2 / 15MHz / QPSK/ Mid CH



B2 / 15MHz / 16QAM/ Mid CH



B2 / 15MHz / 64QAM/ Mid CH



B2 / 15MHz / QPSK/ High CH



B2 / 15MHz / 16QAM/ High CH



B2 / 15MHz / 64QAM/ High CH



B2 / 20MHz / QPSK/ Low CH



B2 / 20MHz / 16QAM/ Low CH



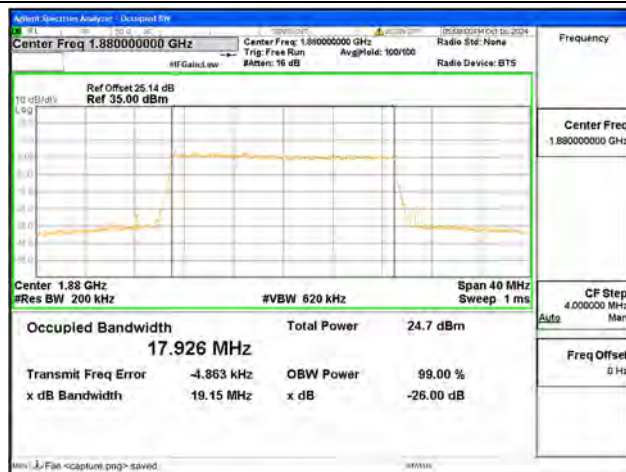
B2 / 20MHz / 64QAM/ Low CH



B2 / 20MHz / QPSK/ Mid CH



B2 / 20MHz / 16QAM/ Mid CH



B2 / 20MHz / 64QAM/ Mid CH



B2 / 20MHz / QPSK/ High CH



B2 / 20MHz / 16QAM/ High CH



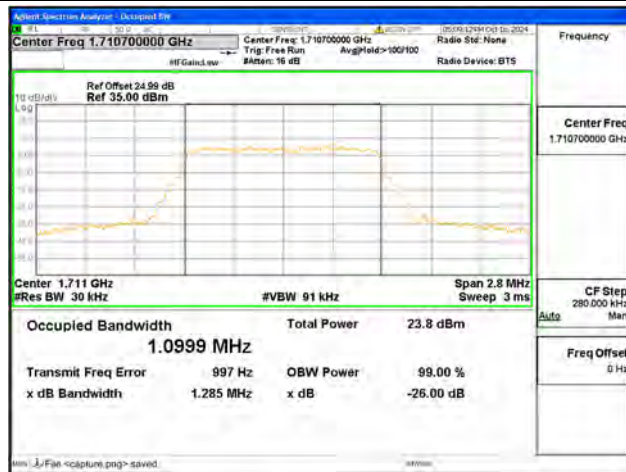
B2 / 20MHz / 64QAM/ High CH



B4 / 1.4MHz / QPSK/ Low CH



B4 / 1.4MHz / 16QAM/ Low CH



B4 / 1.4MHz / 64QAM/ Low CH



B4 / 1.4MHz / QPSK/ Mid CH



B4 / 1.4MHz / 16QAM/ Mid CH



B4 / 1.4MHz / 64QAM/ Mid CH



B4 / 1.4MHz / QPSK/ High CH



B4 / 1.4MHz / 16QAM/ High CH



B4 / 1.4MHz / 64QAM/ High CH



B4 / 3MHz / QPSK/ Low CH



B4 / 3MHz / 16QAM/ Low CH



B4 / 3MHz / 64QAM/ Low CH



B4 / 3MHz / QPSK/ Mid CH



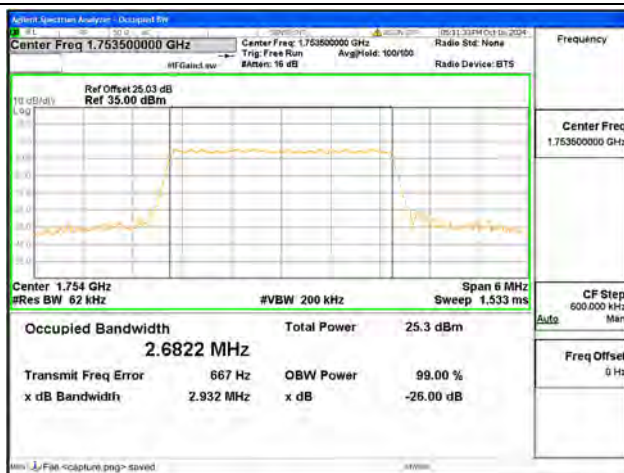
B4 / 3MHz / 16QAM/ Mid CH



B4 / 3MHz / 64QAM/ Mid CH



B4 / 3MHz / QPSK/ High CH



B4 / 3MHz / 16QAM/ High CH



B4 / 3MHz / 64QAM/ High CH



B4 / 5MHz / QPSK/ Low CH



B4 / 5MHz / 16QAM/ Low CH



B4 / 5MHz / 64QAM/ Low CH



B4 / 5MHz / QPSK/ Mid CH



B4 / 5MHz / 16QAM/ Mid CH



B4 / 5MHz / 64QAM/ Mid CH



B4 / 5MHz / QPSK/ High CH



B4 / 5MHz / 16QAM/ High CH



B4 / 5MHz / 64QAM/ High CH



B4 / 10MHz / QPSK/ Low CH



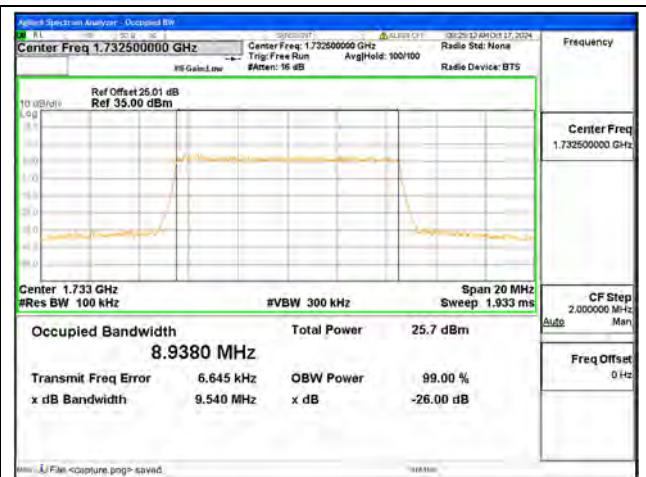
B4 / 10MHz / 16QAM/ Low CH



B4 / 10MHz / 64QAM/ Low CH



B4 / 10MHz / QPSK/ Mid CH



B4 / 10MHz / 16QAM/ Mid CH



B4 / 10MHz / 64QAM/ Mid CH



B4 / 10MHz / QPSK/ High CH



B4 / 10MHz / 16QAM/ High CH



B4 / 10MHz / 64QAM/ High CH



B4 / 15MHz / QPSK/ Low CH



B4 / 15MHz / 16QAM/ Low CH



B4 / 15MHz / 64QAM/ Low CH



B4 / 15MHz / QPSK/ Mid CH



B4 / 15MHz / 16QAM/ Mid CH



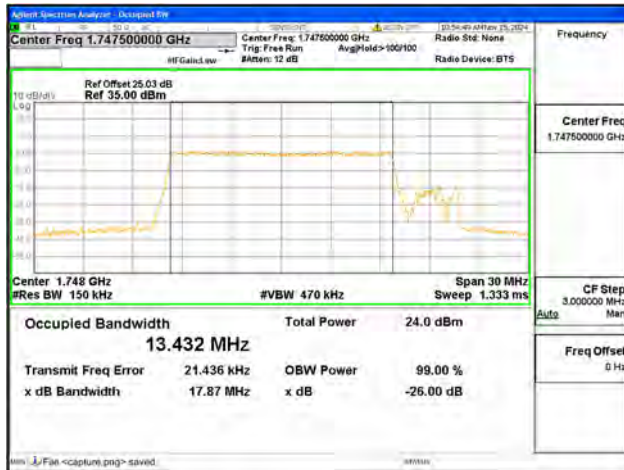
B4 / 15MHz / 64QAM/ Mid CH



B4 / 15MHz / QPSK/ High CH



B4 / 15MHz / 16QAM/ High CH



B4 / 15MHz / 64QAM/ High CH



B4 / 20MHz / QPSK/ Low CH



B4 / 20MHz / 16QAM/ Low CH



B4 / 20MHz / 64QAM/ Low CH



B4 / 20MHz / QPSK/ Mid CH



B4 / 20MHz / 16QAM/ Mid CH



B4 / 20MHz / 64QAM/ Mid CH



B4 / 20MHz / QPSK/ High CH



B4 / 20MHz / 16QAM/ High CH



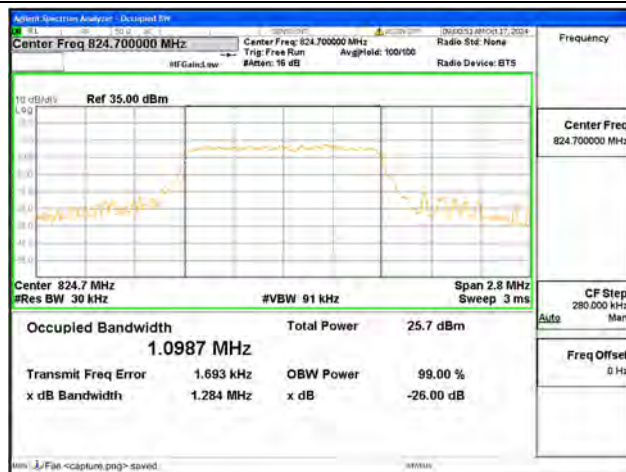
B4 / 20MHz / 64QAM/ High CH



B5 / 1.4MHz / QPSK/ Low CH



B5 / 1.4MHz / 16QAM/ Low CH



B5 / 1.4MHz / 64QAM/ Low CH



B5 / 1.4MHz / QPSK/ Mid CH



B5 / 1.4MHz / 16QAM/ Mid CH



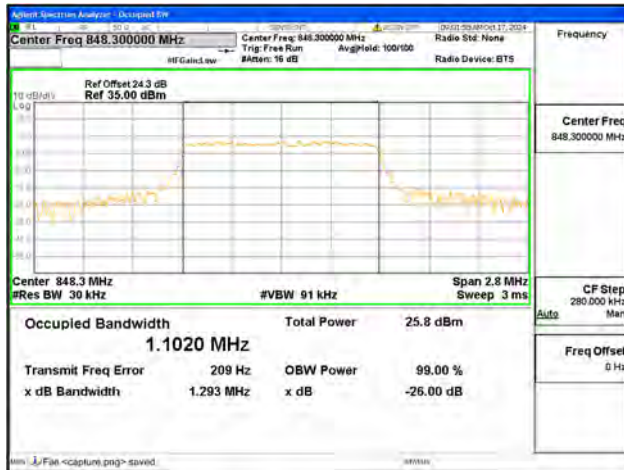
B5 / 1.4MHz / 64QAM/ Mid CH



B5 / 1.4MHz / QPSK/ High CH



B5 / 1.4MHz / 16QAM/ High CH



B5 / 1.4MHz / 64QAM/ High CH



B5 / 3MHz / QPSK/ Low CH



B5 / 3MHz / 16QAM/ Low CH



B5 / 3MHz / 64QAM/ Low CH



B5 / 3MHz / QPSK/ Mid CH



B5 / 3MHz / 16QAM/ Mid CH



B5 / 3MHz / 64QAM/ Mid CH



B5 / 3MHz / QPSK/ High CH



B5 / 3MHz / 16QAM/ High CH



B5 / 3MHz / 64QAM/ High CH



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B5 / 5MHz / 16QAM/ Low CH



B5 / 5MHz / 64QAM/ Low CH



B5 / 5MHz / QPSK/ Mid CH



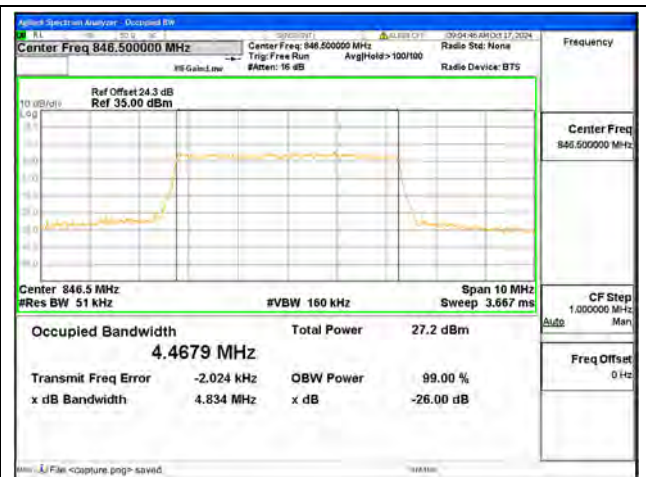
B5 / 5MHz / 16QAM/ Mid CH



B5 / 5MHz / 64QAM/ Mid CH



B5 / 5MHz / QPSK/ High CH



B5 / 5MHz / 16QAM/ High CH



B5 / 5MHz / 64QAM/ High CH



B5 / 10MHz / QPSK/ Low CH



B5 / 10MHz / 16QAM/ Low CH



B5 / 10MHz / 64QAM/ Low CH



B5 / 10MHz / QPSK/ Mid CH



B5 / 10MHz / 16QAM/ Mid CH



B5 / 10MHz / 64QAM/ Mid CH



B5 / 10MHz / QPSK/ High CH



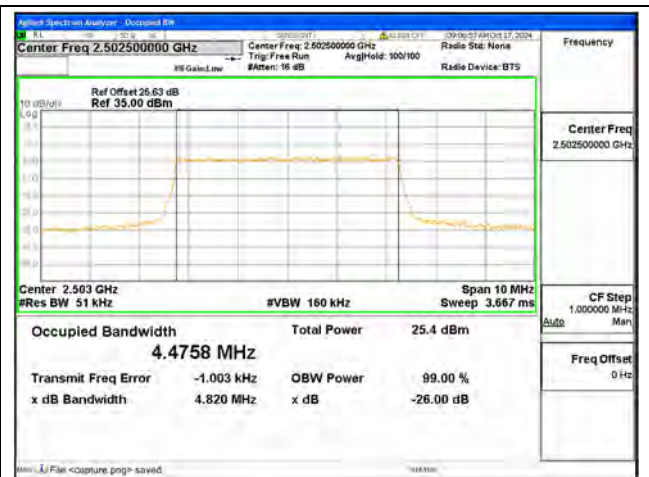
B5 / 10MHz / 16QAM/ High CH



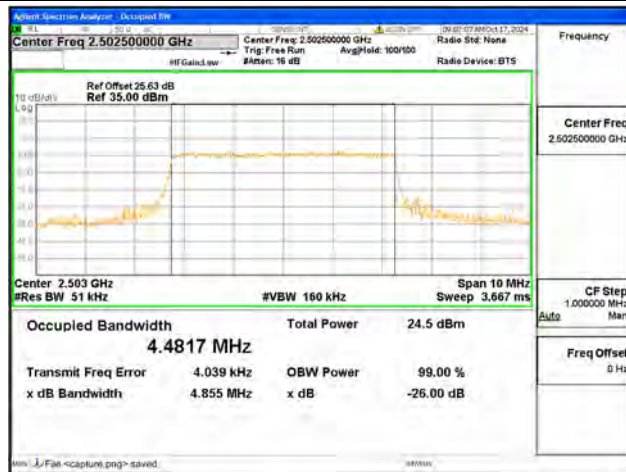
B5 / 10MHz / 64QAM/ High CH



B7 / 5MHz / QPSK/ Low CH



B7 / 5MHz / 16QAM/ Low CH



B7 / 5MHz / 64QAM/ Low CH



B7 / 5MHz / QPSK/ Mid CH



B7 / 5MHz / 16QAM/ Mid CH



B7 / 5MHz / 64QAM/ Mid CH



B7 / 5MHz / QPSK/ High CH



B7 / 5MHz / 16QAM/ High CH



B7 / 5MHz / 64QAM/ High CH



B7 / 10MHz / QPSK/ Low CH



B7 / 10MHz / 16QAM/ Low CH



B7 / 10MHz / 64QAM/ Low CH



B7 / 10MHz / QPSK/ Mid CH



B7 / 10MHz / 16QAM/ Mid CH



B7 / 10MHz / 64QAM/ Mid CH



B7 / 10MHz / QPSK/ High CH



B7 / 10MHz / 16QAM/ High CH



B7 / 10MHz / 64QAM/ High CH



B7 / 15MHz / QPSK/ Low CH



B7 / 15MHz / 16QAM/ Low CH



B7 / 15MHz / 64QAM/ Low CH



B7 / 15MHz / QPSK/ Mid CH



B7 / 15MHz / 16QAM/ Mid CH



B7 / 15MHz / 64QAM/ Mid CH



B7 / 15MHz / QPSK/ High CH



B7 / 15MHz / 16QAM/ High CH



B7 / 15MHz / 64QAM/ High CH



B7 / 20MHz / QPSK/ Low CH



B7 / 20MHz / 16QAM/ Low CH



B7 / 20MHz / 64QAM/ Low CH



B7 / 20MHz / QPSK/ Mid CH



B7 / 20MHz / 16QAM/ Mid CH



B7 / 20MHz / 64QAM/ Mid CH



B7 / 20MHz / QPSK/ High CH



B7 / 20MHz / 16QAM/ High CH



B7 / 20MHz / 64QAM/ High CH



B12 / 1.4MHz / QPSK/ Low CH



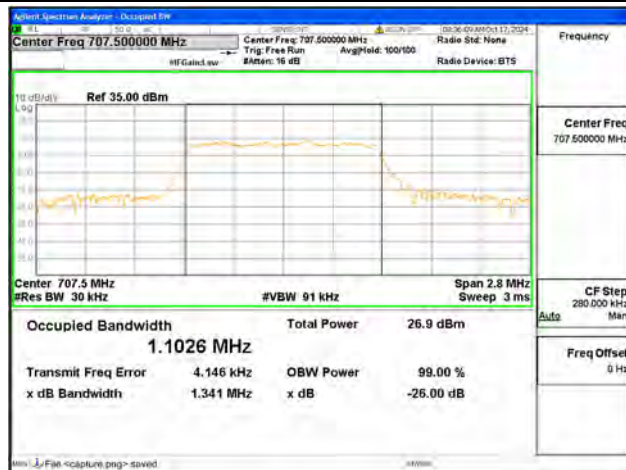
B12 / 1.4MHz / 16QAM/ Low CH



B12 / 1.4MHz / 64QAM/ Low CH



B12 / 1.4MHz / QPSK/ Mid CH



B12 / 1.4MHz / 16QAM/ Mid CH



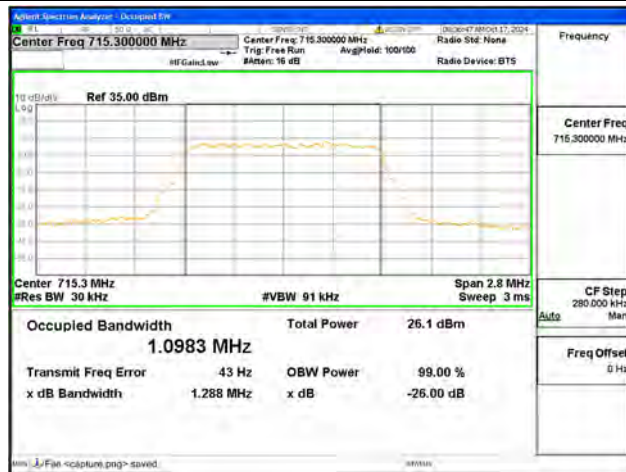
B12 / 1.4MHz / 64QAM/ Mid CH



B12 / 1.4MHz / QPSK/ High CH



B12 / 1.4MHz / 16QAM/ High CH



B12 / 1.4MHz / 64QAM/ High CH



B12 / 3MHz / QPSK/ Low CH



B12 / 3MHz / 16QAM/ Low CH



B12 / 3MHz / 64QAM/ Low CH



B12 / 3MHz / QPSK/ Mid CH



B12 / 3MHz / 16QAM/ Mid CH



B12 / 3MHz / 64QAM/ Mid CH



B12 / 3MHz / QPSK/ High CH



B12 / 3MHz / 16QAM/ High CH



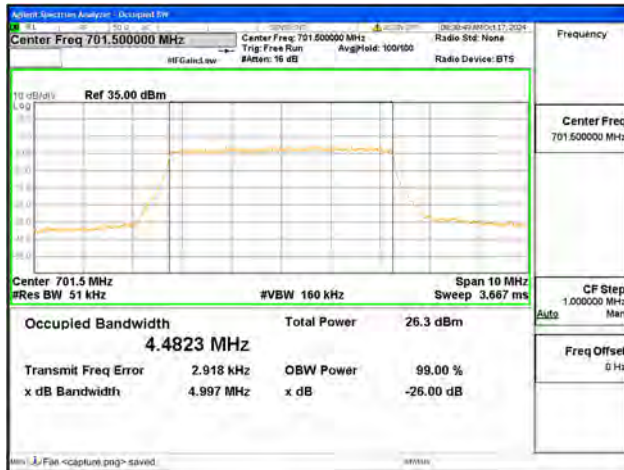
B12 / 3MHz / 64QAM/ High CH



B12 / 5MHz / QPSK/ Low CH



B12 / 5MHz / 16QAM/ Low CH



B12 / 5MHz / 64QAM/ Low CH



B12 / 5MHz / QPSK/ Mid CH



B12 / 5MHz / 16QAM/ Mid CH



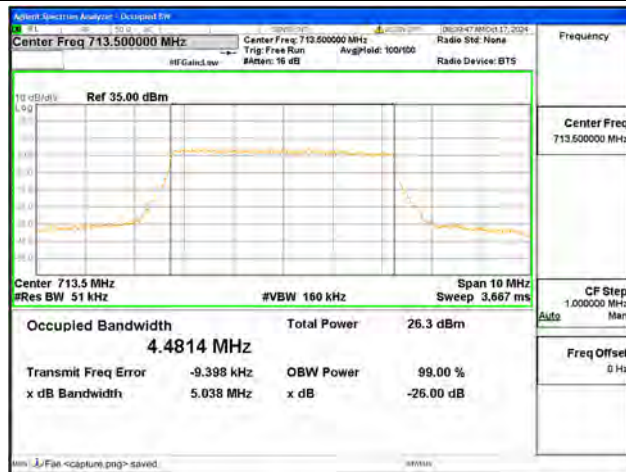
B12 / 5MHz / 64QAM/ Mid CH



B12 / 5MHz / QPSK/ High CH



B12 / 5MHz / 16QAM/ High CH



B12 / 5MHz / 64QAM/ High CH



B12 / 10MHz / QPSK/ Low CH



B12 / 10MHz / 16QAM/ Low CH



B12 / 10MHz / 64QAM/ Low CH



B12 / 10MHz / QPSK/ Mid CH



B12 / 10MHz / 16QAM/ Mid CH



B12 / 10MHz / 64QAM/ Mid CH



B12 / 10MHz / QPSK/ High CH



B12 / 10MHz / 16QAM/ High CH



B12 / 10MHz / 64QAM/ High CH



B17 / 5MHz / QPSK/ Low CH



B17 / 5MHz / 16QAM/ Low CH



B17 / 5MHz / 64QAM/ Low CH



B17 / 5MHz / QPSK/ Mid CH



B17 / 5MHz / 16QAM/ Mid CH



B17 / 5MHz / 64QAM/ Mid CH



B17 / 5MHz / QPSK/ High CH



B17 / 5MHz / 16QAM/ High CH



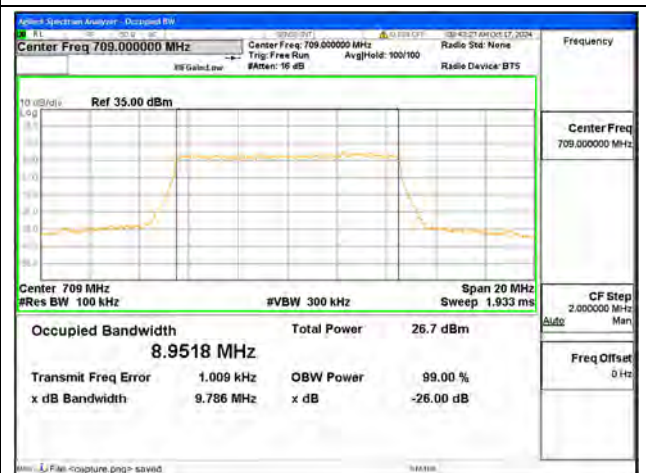
B17 / 5MHz / 64QAM/ High CH



B17 / 10MHz / QPSK/ Low CH



B17 / 10MHz / 16QAM/ Low CH



B17 / 10MHz / 64QAM/ Low CH



B17 / 10MHz / QPSK/ Mid CH



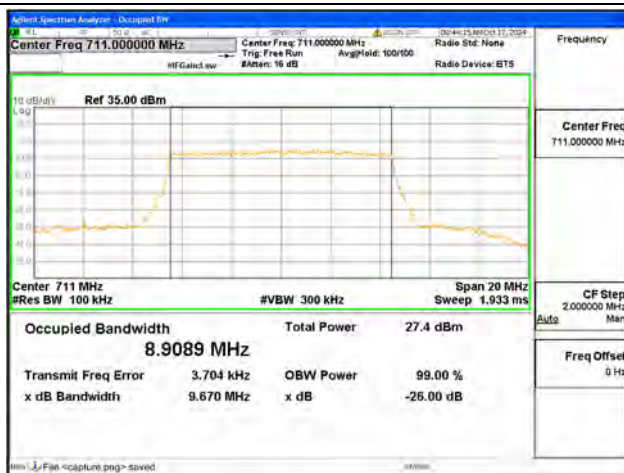
B17 / 10MHz / 16QAM/ Mid CH



B17 / 10MHz / 64QAM/ Mid CH



B17 / 10MHz / QPSK/ High CH



B17 / 10MHz / 16QAM/ High CH



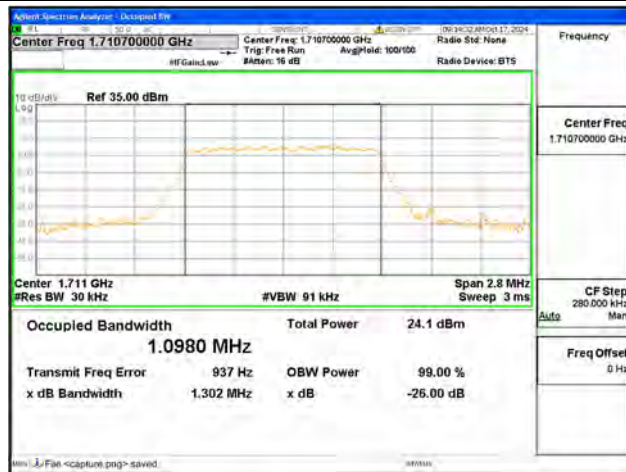
B17 / 10MHz / 64QAM/ High CH



B66 / 1.4MHz / QPSK/ Low CH



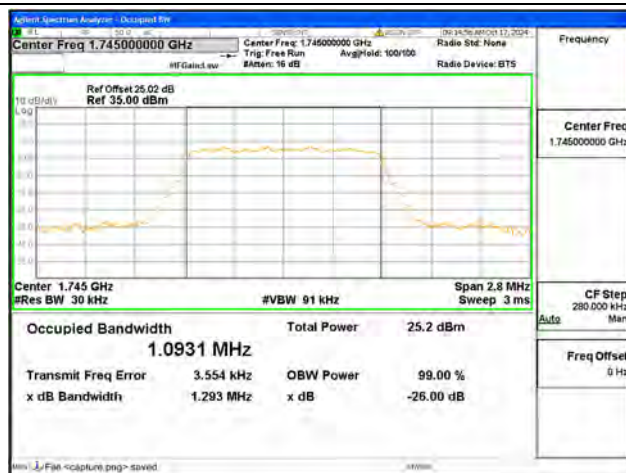
B66 / 1.4MHz / 16QAM/ Low CH



B66 / 1.4MHz / 64QAM/ Low CH



B66 / 1.4MHz / QPSK/ Mid CH



B66 / 1.4MHz / 16QAM/ Mid CH



B66 / 1.4MHz / 64QAM/ Mid CH





B66 / 3MHz / QPSK/ Mid CH



B66 / 3MHz / 16QAM/ Mid CH



B66 / 3MHz / 64QAM/ Mid CH



B66 / 3MHz / QPSK/ High CH



B66 / 3MHz / 16QAM/ High CH



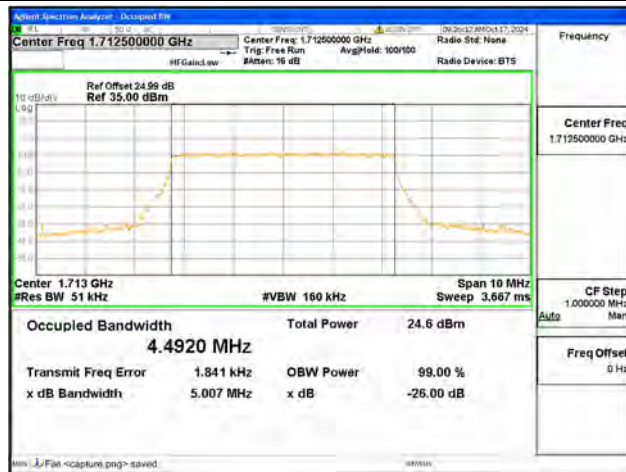
B66 / 3MHz / 64QAM/ High CH



B66 / 5MHz / QPSK/ Low CH



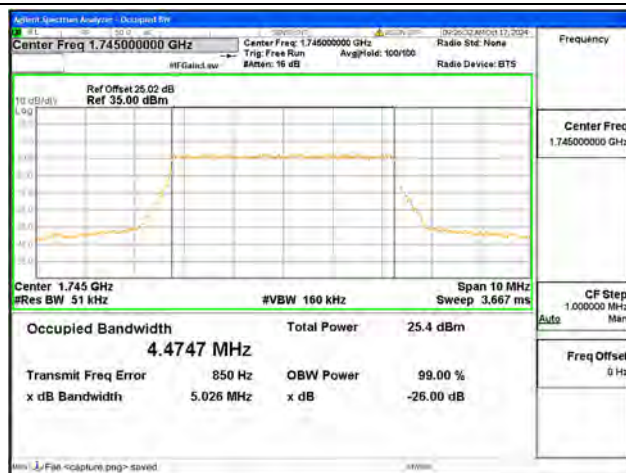
B66 / 5MHz / 16QAM/ Low CH



B66 / 5MHz / 64QAM/ Low CH



B66 / 5MHz / QPSK/ Mid CH



B66 / 5MHz / 16QAM/ Mid CH



B66 / 5MHz / 64QAM/ Mid CH



B66 / 5MHz / QPSK/ High CH



B66 / 5MHz / 16QAM/ High CH



B66 / 5MHz / 64QAM/ High CH



B66 / 10MHz / QPSK/ Low CH



B66 / 10MHz / 16QAM/ Low CH



B66 / 10MHz / 64QAM/ Low CH



B66 / 10MHz / QPSK/ Mid CH



B66 / 10MHz / 16QAM/ Mid CH



B66 / 10MHz / 64QAM/ Mid CH



B66 / 10MHz / QPSK/ High CH



B66 / 10MHz / 16QAM/ High CH



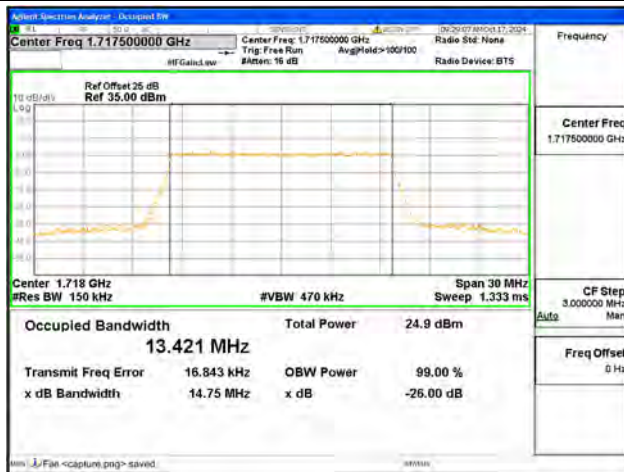
B66 / 10MHz / 64QAM/ High CH



B66 / 15MHz / QPSK/ Low CH



B66 / 15MHz / 16QAM/ Low CH



B66 / 15MHz / 64QAM/ Low CH



B66 / 15MHz / QPSK/ Mid CH



B66 / 15MHz / 16QAM/ Mid CH



B66 / 15MHz / 64QAM/ Mid CH



B66 / 15MHz / QPSK/ High CH



B66 / 15MHz / 16QAM/ High CH



B66 / 15MHz / 64QAM/ High CH



B66 / 20MHz / QPSK/ Low CH



B66 / 20MHz / 16QAM/ Low CH



B66 / 20MHz / 64QAM/ Low CH



B66 / 20MHz / QPSK/ Mid CH



B66 / 20MHz / 16QAM/ Mid CH



B66 / 20MHz / 64QAM/ Mid CH



B66 / 20MHz / QPSK/ High CH



B66 / 20MHz / 16QAM/ High CH



B66 / 20MHz / 64QAM/ High CH



B71 / 5MHz / QPSK/ Low CH



B71 / 5MHz / 16QAM/ Low CH



B71 / 5MHz / 64QAM/ Low CH



B71 / 5MHz / QPSK/ Mid CH



B71 / 5MHz / 16QAM/ Mid CH



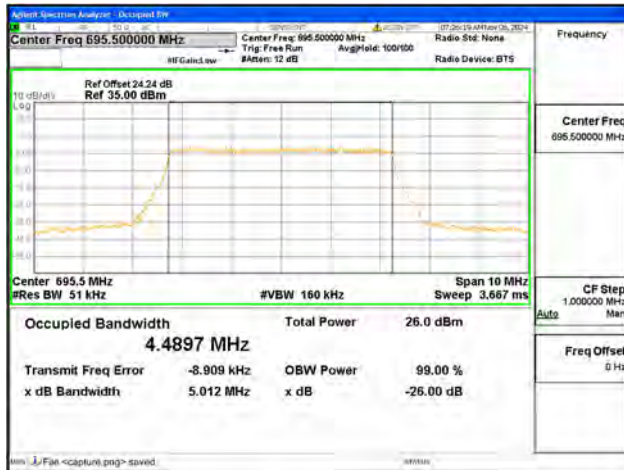
B71 / 5MHz / 64QAM/ Mid CH



B71 / 5MHz / QPSK/ High CH



B71 / 5MHz / 16QAM/ High CH



B71 / 5MHz / 64QAM/ High CH



B71 / 10MHz / QPSK/ Low CH



B71 / 10MHz / 16QAM/ Low CH



B71 / 10MHz / 64QAM/ Low CH



B71 / 10MHz / QPSK/ Mid CH



B71 / 10MHz / 16QAM/ Mid CH



B71 / 10MHz / 64QAM/ Mid CH



B71 / 10MHz / QPSK/ High CH



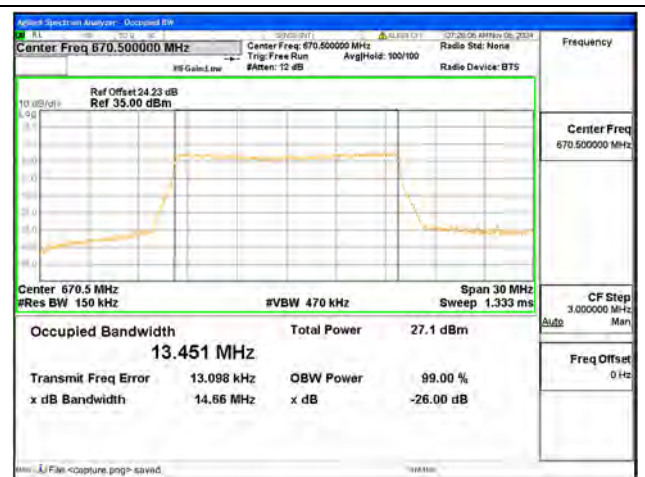
B71 / 10MHz / 16QAM/ High CH



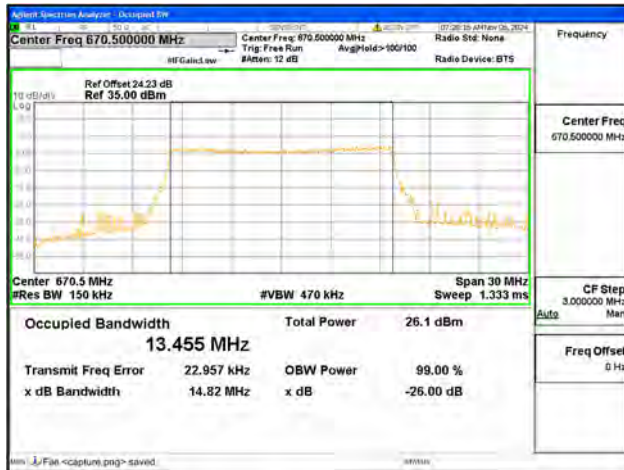
B71 / 10MHz / 64QAM/ High CH



B71 / 15MHz / QPSK/ Low CH



B71 / 15MHz / 16QAM/ Low CH



B71 / 15MHz / 64QAM/ Low CH



B71 / 15MHz / QPSK/ Mid CH



B71 / 15MHz / 16QAM/ Mid CH



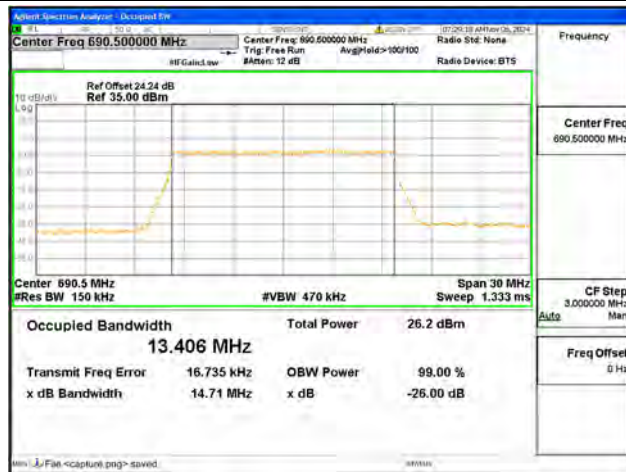
B71 / 15MHz / 64QAM/ Mid CH



B71 / 15MHz / QPSK/ High CH



B71 / 15MHz / 16QAM/ High CH



B71 / 15MHz / 64QAM/ High CH



B71 / 20MHz / QPSK/ Low CH



B71 / 20MHz / 16QAM/ Low CH



B71 / 20MHz / 64QAM/ Low CH



B71 / 20MHz / QPSK/ Mid CH



B71 / 20MHz / 16QAM/ Mid CH



B71 / 20MHz / 64QAM/ Mid CH



B71 / 20MHz / QPSK/ High CH



B71 / 20MHz / 16QAM/ High CH



B71 / 20MHz / 64QAM/ High CH

2.3. Frequency Stability

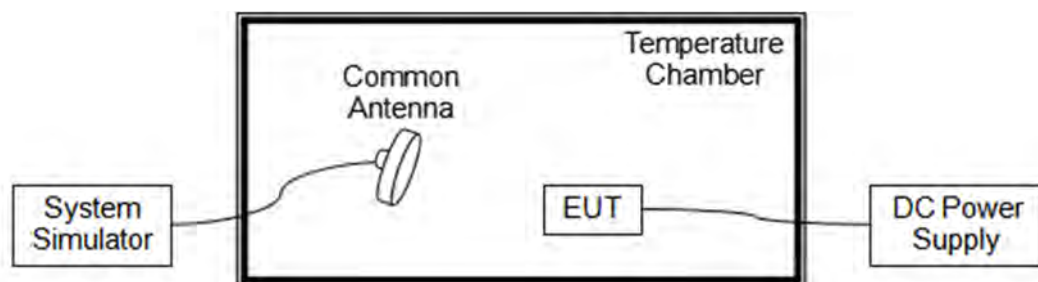
2.3.1. Requirement

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

- (a) The temperature is varied from -30°C to $+50^{\circ}\text{C}$ at intervals of not more than 10°C .
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

Note: The operating temperature of EUT is from 0°C to 35°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 4.75V, 5.00V and 5.35V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 2, QPSK, Channel 18900, Frequency 1880.0MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	5.00	+20(Ref)	17	0.009	PASS
Normal		0	-10	-0.005	
Normal		+10	18	0.010	
Normal		+20	17	0.009	
Normal		+30	-17	-0.009	
Normal		+35	-21	-0.011	
High	5.35	+20	0	0.000	
BATT.ENDPOINT	4.75	+20	14	0.007	

LTE Band 4, QPSK, Channel 20175, Frequency 1732.5MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	5.00	+20(Ref)	13	0.008	PASS
Normal		0	-19	-0.011	
Normal		+10	19	0.011	
Normal		+20	13	0.008	
Normal		+30	-1	-0.001	
Normal		+35	16	0.009	
High	5.35	+20	14	0.008	
BATT.ENDPOINT	4.75	+20	-5	-0.003	



LTE Band 5, QPSK, Channel 20525, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	5.00	+20(Ref)	3	0.004	PASS
Normal		0	20	0.024	
Normal		+10	9	0.011	
Normal		+20	13	0.016	
Normal		+30	-12	-0.014	
Normal		+35	16	0.019	
High	5.35	+20	4	0.005	
BATT.ENDPOINT	4.75	+20	14	0.017	

LTE Band 7, QPSK, Channel 21100, Frequency 2535MHz Limit= Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	5.00	+20(Ref)	17	0.007	PASS
Normal		0	18	0.007	
Normal		+10	14	0.006	
Normal		+20	9	0.004	
Normal		+30	16	0.006	
Normal		+35	23	0.009	
High	5.35	+20	-19	-0.007	
BATT.ENDPOINT	4.75	+20	-22	-0.009	



LTE Band 12, QPSK, Channel 23095, Frequency 707.5MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	5.00	+20(Ref)	-7	-0.010	PASS
Normal		0	14	0.020	
Normal		+10	7	0.010	
Normal		+20	17	0.024	
Normal		+30	13	0.018	
Normal		+35	13	0.018	
High	5.35	+20	19	0.027	
BATT.ENDPOINT	4.75	+20	19	0.027	

LTE Band 17, QPSK, Channel 23790, Frequency 710MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	5.00	+20(Ref)	0	0.000	PASS
Normal		0	20	0.028	
Normal		+10	19	0.027	
Normal		+20	-17	-0.024	
Normal		+30	-10	-0.014	
Normal		+35	19	0.027	
High	5.35	+20	-18	-0.025	
BATT.ENDPOINT	4.75	+20	-17	-0.024	



LTE Band 66, QPSK, Channel 132322, Frequency 1745MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	5.00	+20(Ref)	22	0.013	PASS
Normal		0	14	0.008	
Normal		+10	14	0.008	
Normal		+20	17	0.010	
Normal		+30	13	0.007	
Normal		+35	18	0.010	
High	5.35	+20	16	0.009	
BATT.ENDPOINT	4.75	+20	-16	-0.009	

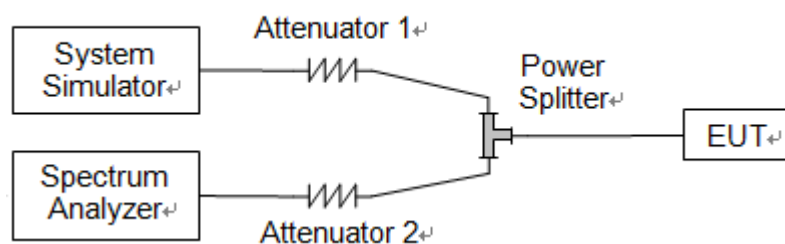
LTE Band 71, 64QAM, Channel 133322, Frequency 683.0MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	5.00	+20(Ref)	-11	-0.016	PASS
Normal		0	19	0.028	
Normal		+10	17	0.025	
Normal		+20	16	0.023	
Normal		+30	-13	-0.019	
Normal		+35	-15	-0.022	
High	5.35	+20	-10	-0.015	
BATT.ENDPOINT	4.75	+20	19	0.028	

2.4. Peak to Average Ratio

2.4.1. Requirement

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

2.4.2. Test Description



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

2.4.3. Test Procedure

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

2.4.4. Test Result

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



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	Peak to Average Radio(dB)	Verdict
B2	1.4	Low	18607	1850.7	QPSK	5.59	PASS
B2	1.4	Low	18607	1850.7	16QAM	6.33	PASS
B2	1.4	Low	18607	1850.7	64QAM	6.34	PASS
B2	1.4	Mid	18900	1880	QPSK	5.56	PASS
B2	1.4	Mid	18900	1880	16QAM	6.25	PASS
B2	1.4	Mid	18900	1880	64QAM	6.45	PASS
B2	1.4	High	19193	1909.3	QPSK	5.70	PASS
B2	1.4	High	19193	1909.3	16QAM	6.40	PASS
B2	1.4	High	19193	1909.3	64QAM	6.41	PASS
B2	3	Low	18615	1851.5	QPSK	5.59	PASS
B2	3	Low	18615	1851.5	16QAM	6.43	PASS
B2	3	Low	18615	1851.5	64QAM	6.45	PASS
B2	3	Mid	18900	1880	QPSK	5.67	PASS
B2	3	Mid	18900	1880	16QAM	6.39	PASS
B2	3	Mid	18900	1880	64QAM	6.39	PASS
B2	3	High	19185	1908.5	QPSK	5.70	PASS
B2	3	High	19185	1908.5	16QAM	6.38	PASS
B2	3	High	19185	1908.5	64QAM	6.35	PASS
B2	5	Low	18625	1852.5	QPSK	5.73	PASS
B2	5	Low	18625	1852.5	16QAM	6.33	PASS
B2	5	Low	18625	1852.5	64QAM	6.52	PASS
B2	5	Mid	18900	1880	QPSK	5.80	PASS
B2	5	Mid	18900	1880	16QAM	6.36	PASS
B2	5	Mid	18900	1880	64QAM	6.42	PASS
B2	5	High	19175	1907.5	QPSK	5.70	PASS
B2	5	High	19175	1907.5	16QAM	6.32	PASS
B2	5	High	19175	1907.5	64QAM	6.41	PASS
B2	10	Low	18650	1855	QPSK	5.79	PASS
B2	10	Low	18650	1855	16QAM	6.51	PASS
B2	10	Low	18650	1855	64QAM	6.53	PASS
B2	10	Mid	18900	1880	QPSK	5.90	PASS
B2	10	Mid	18900	1880	16QAM	6.42	PASS
B2	10	Mid	18900	1880	64QAM	6.46	PASS
B2	10	High	19150	1905	QPSK	5.73	PASS
B2	10	High	19150	1905	16QAM	6.31	PASS



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B2	10	High	19150	1905	64QAM	6.41	PASS
B2	15	Low	18675	1857.5	QPSK	5.83	PASS
B2	15	Low	18675	1857.5	16QAM	6.39	PASS
B2	15	Low	18675	1857.5	64QAM	6.49	PASS
B2	15	Mid	18900	1880	QPSK	5.80	PASS
B2	15	Mid	18900	1880	16QAM	6.39	PASS
B2	15	Mid	18900	1880	64QAM	6.49	PASS
B2	15	High	19125	1902.5	QPSK	5.69	PASS
B2	15	High	19125	1902.5	16QAM	6.30	PASS
B2	15	High	19125	1902.5	64QAM	6.38	PASS
B2	20	Low	18700	1860	QPSK	5.86	PASS
B2	20	Low	18700	1860	16QAM	6.49	PASS
B2	20	Low	18700	1860	64QAM	6.50	PASS
B2	20	Mid	18900	1880	QPSK	5.85	PASS
B2	20	Mid	18900	1880	16QAM	6.47	PASS
B2	20	Mid	18900	1880	64QAM	6.50	PASS
B2	20	High	19100	1900	QPSK	5.75	PASS
B2	20	High	19100	1900	16QAM	6.43	PASS
B2	20	High	19100	1900	64QAM	6.46	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	Peak to Average Radio(dB)	Verdict
B4	1.4	Low	19957	1710.7	QPSK	5.87	PASS
B4	1.4	Low	19957	1710.7	16QAM	6.52	PASS
B4	1.4	Low	19957	1710.7	64QAM	6.45	PASS
B4	1.4	Mid	20175	1732.5	QPSK	5.80	PASS
B4	1.4	Mid	20175	1732.5	16QAM	6.55	PASS
B4	1.4	Mid	20175	1732.5	64QAM	6.46	PASS
B4	1.4	High	20393	1754.3	QPSK	5.78	PASS
B4	1.4	High	20393	1754.3	16QAM	6.50	PASS
B4	1.4	High	20393	1754.3	64QAM	6.49	PASS
B4	3	Low	19965	1711.5	QPSK	5.75	PASS
B4	3	Low	19965	1711.5	16QAM	6.48	PASS
B4	3	Low	19965	1711.5	64QAM	6.34	PASS
B4	3	Mid	20175	1732.5	QPSK	5.80	PASS
B4	3	Mid	20175	1732.5	16QAM	6.55	PASS
B4	3	Mid	20175	1732.5	64QAM	6.43	PASS
B4	3	High	20385	1753.5	QPSK	5.83	PASS
B4	3	High	20385	1753.5	16QAM	6.59	PASS
B4	3	High	20385	1753.5	64QAM	6.42	PASS
B4	5	Low	19975	1712.5	QPSK	5.84	PASS
B4	5	Low	19975	1712.5	16QAM	6.45	PASS
B4	5	Low	19975	1712.5	64QAM	6.49	PASS
B4	5	Mid	20175	1732.5	QPSK	5.90	PASS
B4	5	Mid	20175	1732.5	16QAM	6.44	PASS
B4	5	Mid	20175	1732.5	64QAM	6.50	PASS
B4	5	High	20375	1752.5	QPSK	5.86	PASS
B4	5	High	20375	1752.5	16QAM	6.45	PASS
B4	5	High	20375	1752.5	64QAM	6.50	PASS
B4	10	Low	20000	1715	QPSK	5.87	PASS
B4	10	Low	20000	1715	16QAM	6.44	PASS
B4	10	Low	20000	1715	64QAM	6.47	PASS
B4	10	Mid	20175	1732.5	QPSK	5.88	PASS
B4	10	Mid	20175	1732.5	16QAM	6.44	PASS
B4	10	Mid	20175	1732.5	64QAM	6.47	PASS
B4	10	High	20350	1750	QPSK	5.96	PASS
B4	10	High	20350	1750	16QAM	6.48	PASS



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B4	10	High	20350	1750	64QAM	6.55	PASS
B4	15	Low	20025	1717.5	QPSK	5.86	PASS
B4	15	Low	20025	1717.5	16QAM	6.50	PASS
B4	15	Low	20025	1717.5	64QAM	6.56	PASS
B4	15	Mid	20175	1732.5	QPSK	5.86	PASS
B4	15	Mid	20175	1732.5	16QAM	6.48	PASS
B4	15	Mid	20175	1732.5	64QAM	6.53	PASS
B4	15	High	20325	1747.5	QPSK	5.94	PASS
B4	15	High	20325	1747.5	16QAM	6.47	PASS
B4	15	High	20325	1747.5	64QAM	6.61	PASS
B4	20	Low	20050	1720	QPSK	5.86	PASS
B4	20	Low	20050	1720	16QAM	6.50	PASS
B4	20	Low	20050	1720	64QAM	6.52	PASS
B4	20	Mid	20175	1732.5	QPSK	5.84	PASS
B4	20	Mid	20175	1732.5	16QAM	6.48	PASS
B4	20	Mid	20175	1732.5	64QAM	6.56	PASS
B4	20	High	20300	1745	QPSK	5.91	PASS
B4	20	High	20300	1745	16QAM	6.52	PASS
B4	20	High	20300	1745	64QAM	6.59	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	5.81	PASS
B66	1.4	Low	131979	1710.7	16QAM	6.55	PASS
B66	1.4	Low	131979	1710.7	64QAM	6.42	PASS
B66	1.4	Mid	132322	1745	QPSK	5.94	PASS
B66	1.4	Mid	132322	1745	16QAM	6.55	PASS
B66	1.4	Mid	132322	1745	64QAM	6.43	PASS
B66	1.4	High	132665	1779.3	QPSK	5.89	PASS
B66	1.4	High	132665	1779.3	16QAM	6.59	PASS
B66	1.4	High	132665	1779.3	64QAM	6.66	PASS
B66	3	Low	131987	1711.5	QPSK	5.74	PASS
B66	3	Low	131987	1711.5	16QAM	6.52	PASS
B66	3	Low	131987	1711.5	64QAM	6.29	PASS
B66	3	Mid	132322	1745	QPSK	5.84	PASS
B66	3	Mid	132322	1745	16QAM	6.62	PASS
B66	3	Mid	132322	1745	64QAM	6.48	PASS
B66	3	High	132657	1778.5	QPSK	5.80	PASS
B66	3	High	132657	1778.5	16QAM	6.59	PASS
B66	3	High	132657	1778.5	64QAM	6.54	PASS
B66	5	Low	131997	1712.5	QPSK	5.79	PASS
B66	5	Low	131997	1712.5	16QAM	6.38	PASS
B66	5	Low	131997	1712.5	64QAM	6.40	PASS
B66	5	Mid	132322	1745	QPSK	5.89	PASS
B66	5	Mid	132322	1745	16QAM	6.41	PASS
B66	5	Mid	132322	1745	64QAM	6.40	PASS
B66	5	High	132647	1777.5	QPSK	5.87	PASS
B66	5	High	132647	1777.5	16QAM	6.43	PASS
B66	5	High	132647	1777.5	64QAM	6.54	PASS
B66	10	Low	132022	1715	QPSK	5.87	PASS
B66	10	Low	132022	1715	16QAM	6.43	PASS
B66	10	Low	132022	1715	64QAM	6.41	PASS
B66	10	Mid	132322	1745	QPSK	5.94	PASS
B66	10	Mid	132322	1745	16QAM	6.53	PASS
B66	10	Mid	132322	1745	64QAM	6.49	PASS
B66	10	High	132622	1775	QPSK	5.88	PASS
B66	10	High	132622	1775	16QAM	6.48	PASS

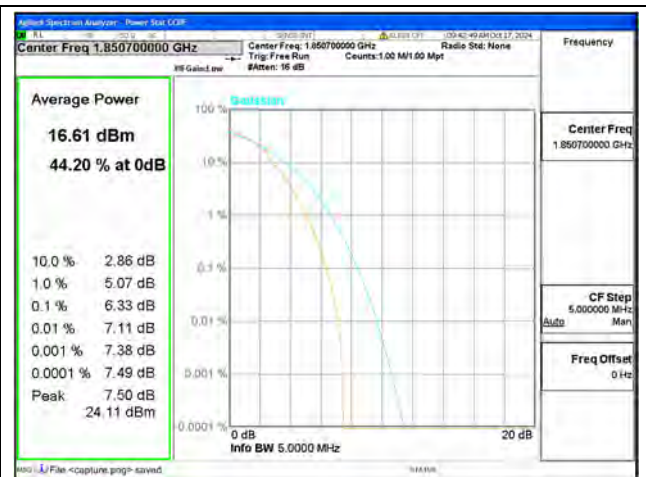


REPORT No.: SZ24090195W06

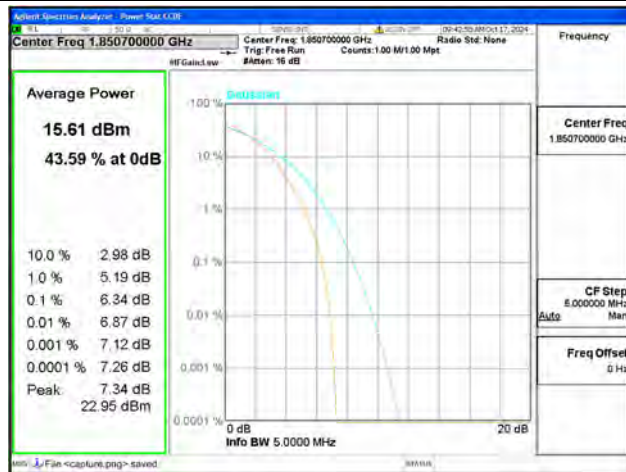
B66	10	High	132622	1775	64QAM	6.59	PASS
B66	15	Low	132047	1717.5	QPSK	5.81	PASS
B66	15	Low	132047	1717.5	16QAM	6.42	PASS
B66	15	Low	132047	1717.5	64QAM	6.50	PASS
B66	15	Mid	132322	1745	QPSK	5.92	PASS
B66	15	Mid	132322	1745	16QAM	6.49	PASS
B66	15	Mid	132322	1745	64QAM	6.56	PASS
B66	15	High	132597	1772.5	QPSK	5.92	PASS
B66	15	High	132597	1772.5	16QAM	6.44	PASS
B66	15	High	132597	1772.5	64QAM	6.68	PASS
B66	20	Low	132072	1720	QPSK	5.83	PASS
B66	20	Low	132072	1720	16QAM	6.49	PASS
B66	20	Low	132072	1720	64QAM	6.53	PASS
B66	20	Mid	132322	1745	QPSK	5.92	PASS
B66	20	Mid	132322	1745	16QAM	6.56	PASS
B66	20	Mid	132322	1745	64QAM	6.56	PASS
B66	20	High	132572	1770	QPSK	5.89	PASS
B66	20	High	132572	1770	16QAM	6.53	PASS
B66	20	High	132572	1770	64QAM	6.68	PASS



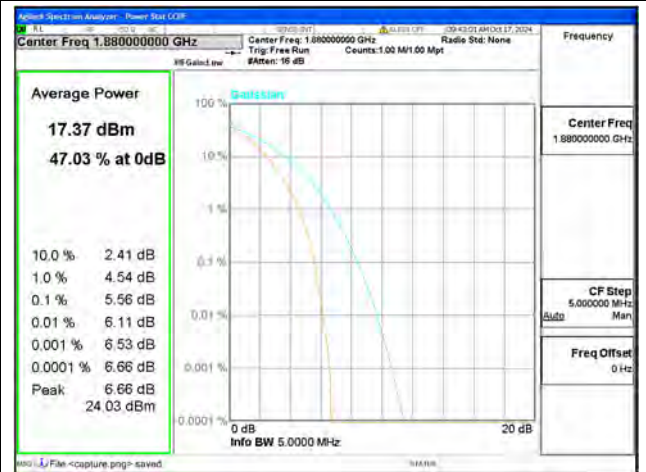
B2 / 1.4MHz / Low CH / QPSK



B2 / 1.4MHz / Low CH / 16QAM



B2 / 1.4MHz / Low CH / 64QAM



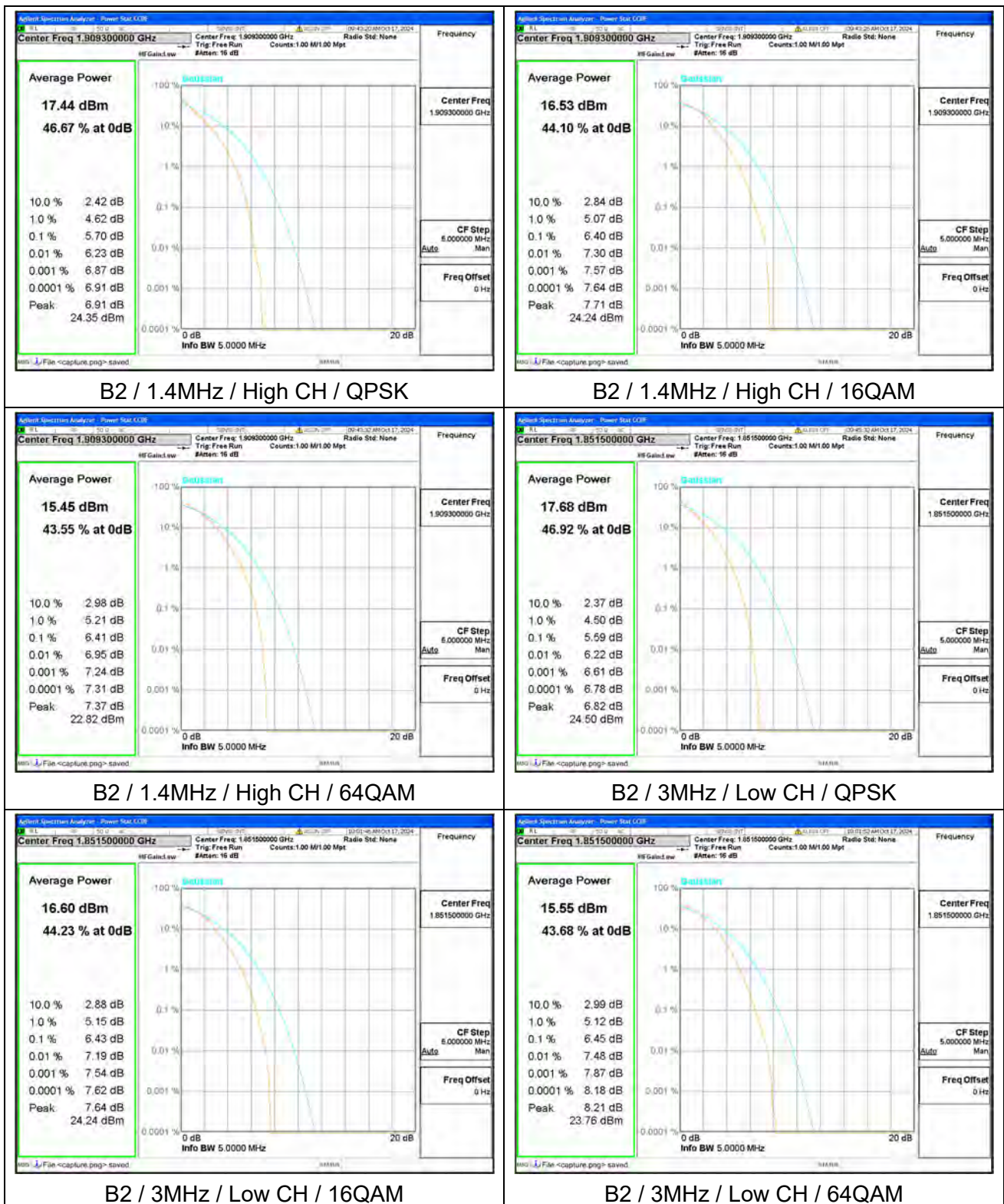
B2 / 1.4MHz / Mid CH / QPSK



B2 / 1.4MHz / Mid CH / 16QAM



B2 / 1.4MHz / Mid CH / 64QAM





B2 / 3MHz / Mid CH / QPSK



B2 / 3MHz / Mid CH / 16QAM



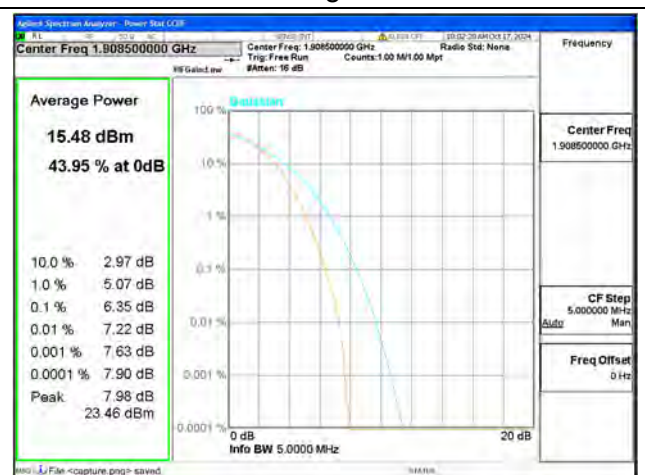
B2 / 3MHz / Mid CH / 64QAM



B2 / 3MHz / High CH / QPSK



B2 / 3MHz / High CH / 16QAM



B2 / 3MHz / High CH / 64QAM