TEST REPORT

APPLICANT	:	Reliance Communications LLC
PRODUCT NAME	:	Orbic Tab8 5G
MODEL NAME	:	R8L5TS6
BRAND NAME	:	Orbic
FCC ID	:	2ABGH-R8L5TS6
STANDARD(S)	:	47 CFR Part 24, Subpart E 47 CFR Part 27, Subpart F&H&L
RECEIPT DATE	:	2021-07-01
TEST DATE	:	2021-07-08 to 2021-09-30 2022-06-17 to 2022-06-29
ISSUE DATE	:	2022-07-04

Edited by: Zeng Xiaoying (Rapporteur)

Approved by: Shen Junsheng (Supervisor)

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MORLAB

Shenzhen Morlab Communications Technology Co., Ltd.
FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China

Tel: 86-755-36698555 Fax: 86-755-36698525
Http://www.morlab.cn E-mail: service@morlab.cn

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Change History		
Version	Date	Reason for change
1.0	2022-07-04	First edition

1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Reliance Communications LLC
Applicant Address:	91 Colin Drive, Unit 1, HOLBROOK, New York 11741, United States
Manufacturer:	ZJY RIGHT SOURCE INDIA PRIVATE LIMITED
Manufacturer Address:	MIDC industrial Area, Shiravane, Nerul, India

1.2. Equipment Under Test (EUT) Description

Product Name:	Orbic Tab8 5G	
Sample No.:	3#	
Hardware Version:	V1.1	
Software Version:	ORB8L5T_v1.0.01_NART	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Support	
Operation Band:	Band 2 / 4 / 12 / 13 / 66 / 71	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 12	Tx: 699MHz–716MHz
		Rx: 729MHz–746MHz
	LTE Band 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz
	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz –2200MHz
	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 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 13	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	-2.0dBi
	LTE Band 4	-2.6dBi
	LTE Band 12	-1.9dBi
	LTE Band 13	-1.5dBi
	LTE Band 66	-2.1dBi
	LTE Band 71	-1.4dBi
Accessory Information:	Battery	
	Brand Name:	Orbic
	Model No.:	BTE-6001
	Serial No.:	N/A
	Capacity:	6000mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.4V
	Manufacturer:	HUIZHOU DXDRAGON INC
	AC Adapter	
	Brand Name:	Orbic
	Model No.:	BLJ-QC06HU
	Serial No.:	N/A
	Rated Output:	5V⎓3A, 9V⎓2A, 12V⎓1.5A
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	Zhongshan Baolijin Electronic 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	0.146	0.117	0.115	18M0G7D	18M1W7D	18M0W7D
15	0.144	0.116	0.114	13M5G7D	13M5W7D	13M5W7D
10	0.142	0.115	0.112	9M03G7D	8M97W7D	9M00W7D
5	0.141	0.114	0.111	4M51G7D	4M50W7D	4M50W7D
3	0.139	0.112	0.110	2M71G7D	2M70W7D	2M71W7D
1.4	0.137	0.111	0.108	1M10G7D	1M10W7D	1M09W7D
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	0.130	0.101	0.102	18M0G7D	18M0W7D	18M0W7D
15	0.130	0.101	0.102	13M5G7D	13M5W7D	13M5W7D
10	0.129	0.100	0.101	9M02G7D	8M98W7D	8M99W7D
5	0.128	0.098	0.100	4M51G7D	4M51W7D	4M51W7D
3	0.126	0.097	0.099	2M70G7D	2M71W7D	2M71W7D
1.4	0.126	0.096	0.0979	1M09G7D	1M10W7D	1M10W7D
LTE Band 12	**Maximum E.R.P./E.I.R.P. (W)**			**Emission Designator (99%OBW)**		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.101	0.077	0.076	9M00G7D	9M01W7D	9M03W7D
5	0.100	0.076	0.076	4M51G7D	4M51W7D	4M50W7D
3	0.098	0.075	0.075	2M70G7D	2M70W7D	2M71W7D
1.4	0.095	0.074	0.074	1M09G7D	1M10W7D	1M09W7D
LTE Band 13	**Maximum E.R.P./E.I.R.P. (W)**			**Emission Designator (99%OBW)**		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.111	0.083	0.082	8M98G7D	8M96W7D	8M97W7D
5	0.110	0.082	0.081	4M51G7D	4M52W7D	4M50W7D
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	0.148	0.116	0.114	18M0G7D	18M1W7D	18M0W7D
15	0.146	0.115	0.113	13M5G7D	13M5W7D	13M5W7D
10	0.144	0.113	0.111	9M00G7D	8M98W7D	9M00W7D
5	0.143	0.112	0.110	4M51G7D	4M51W7D	4M51W7D
3	0.141	0.111	0.108	2M71G7D	2M71W7D	2M71W7D
1.4	0.139	0.109	0.107	1M09G7D	1M09W7D	1M09W7D

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	0.116	0.092	0.073	17M9G7D	18M0W7D	18M0W7D
15	0.115	0.108	0.074	13M5G7D	13M5W7D	13M5W7D
10	0.113	0.090	0.094	8M99G7D	8M97W7D	8M98W7D
5	0.112	0.089	0.073	4M51G7D	4M51W7D	4M51W7D

1.4. Test Standards and Results

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

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 24	Personal Communications Services
3	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 24.232(c) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Sep 30, 2021 Jun 29, 2022	Liang Yumei Yin Xiaogang Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Jul 08&23, 2021 Jun 22, 2022	Li Huaijie Ling Keye	PASS	No deviation
2.1055 24.235 27.54	Frequency Stability	Sep 18, 2021 Jun 22, 2022	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Jul 08&23, 2021	Li Huaijie	PASS	No deviation
2.1051 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h)	Conducted Spurious Emissions	Jul 08&23, 2021 Jun 22, 2022	Li Huaijie	PASS	No deviation
2.1051 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h)	Band Edge	Jul 08&23, 2021 Jun 22, 2022	Li Huaijie	PASS	No deviation
2.1051 24.238(a) 27.53(c)(2)	Radiated Spurious Emissions	Aug 26&27, 2021 Jun 28, 2022	Gao Jianrou	PASS	No deviation

27.53(g) 27.53(h)					

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

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

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

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

1.5. Environmental Conditions

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

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

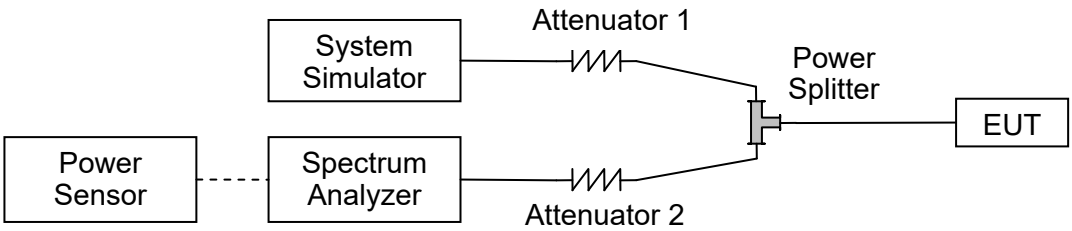
2. 47 CFR Part 2, Part 24E, Part 27 F&H&L&M&N Requirements

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 27.50 (b)(10) for LTE Band 13, Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts E.R.P.
According to FCC section 27.50 (c)(10) for LTE Band 12/71, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

2.1.2. Test Description



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

2.1.3. Test Procedure

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

E.I.R.P. (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)
E.R.P. (dBm) = E.I.R.P. (dBm) - 2.15

2.1.4. Result

Conducted Output Power

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.59	23.63	23.52
20	QPSK	1	49	23.52	23.42	23.41
20	QPSK	1	99	23.41	23.32	23.24
20	QPSK	50	0	22.59	22.63	22.50
20	QPSK	50	24	22.50	22.59	22.41
20	QPSK	50	50	22.43	22.51	22.30
20	QPSK	100	0	22.33	22.39	22.26
20	16QAM	1	0	22.53	22.67	22.52
20	16QAM	1	49	22.41	22.65	22.47
20	16QAM	1	99	22.36	22.61	22.45
20	16QAM	50	0	22.54	22.56	22.58
20	16QAM	50	24	22.48	22.50	22.51
20	16QAM	50	50	22.39	22.37	22.46
20	16QAM	100	0	22.36	22.33	22.39
20	64QAM	1	0	22.34	22.59	22.54
20	64QAM	1	49	22.24	22.53	22.51
20	64QAM	1	99	22.19	22.42	22.38
20	64QAM	50	0	22.31	22.34	22.25
20	64QAM	50	24	22.28	22.31	22.17
20	64QAM	50	50	22.14	22.20	22.05
20	64QAM	100	0	22.07	22.12	22.00

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.57	23.58	23.49
15	QPSK	1	37	23.49	23.39	23.38
15	QPSK	1	74	23.36	23.31	23.18
15	QPSK	36	0	22.55	22.61	22.45
15	QPSK	36	20	22.48	22.54	22.39
15	QPSK	36	39	22.40	22.48	22.27
15	QPSK	75	0	22.30	22.34	22.24
15	16QAM	1	0	22.50	22.65	22.47
15	16QAM	1	37	22.35	22.63	22.44
15	16QAM	1	74	22.34	22.56	22.40
15	16QAM	36	0	22.49	22.51	22.53
15	16QAM	36	20	22.46	22.46	22.46
15	16QAM	36	39	22.36	22.31	22.42
15	16QAM	75	0	22.32	22.27	22.37
15	64QAM	1	0	22.29	22.55	22.49
15	64QAM	1	37	22.22	22.50	22.45
15	64QAM	1	74	22.16	22.38	22.34
15	64QAM	36	0	22.30	22.28	22.21
15	64QAM	36	20	22.24	22.27	22.11
15	64QAM	36	39	22.08	22.16	22.03
15	64QAM	75	0	22.02	22.08	21.96

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.52	23.53	23.44
10	QPSK	1	25	23.44	23.34	23.33
10	QPSK	1	49	23.31	23.26	23.13
10	QPSK	25	0	22.50	22.56	22.40
10	QPSK	25	12	22.43	22.49	22.34
10	QPSK	25	25	22.35	22.43	22.22
10	QPSK	50	0	22.25	22.29	22.19
10	16QAM	1	0	22.45	22.60	22.42
10	16QAM	1	25	22.30	22.58	22.39
10	16QAM	1	49	22.29	22.51	22.35
10	16QAM	25	0	22.44	22.46	22.48
10	16QAM	25	12	22.41	22.41	22.41
10	16QAM	25	25	22.31	22.26	22.37
10	16QAM	50	0	22.27	22.22	22.32
10	64QAM	1	0	22.24	22.50	22.44
10	64QAM	1	25	22.17	22.45	22.40
10	64QAM	1	49	22.11	22.33	22.29
10	64QAM	25	0	22.25	22.23	22.16
10	64QAM	25	12	22.19	22.22	22.06
10	64QAM	25	25	22.03	22.11	21.98
10	64QAM	50	0	21.97	22.03	21.91

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	23.47	23.48	23.39
5	QPSK	1	12	23.39	23.29	23.28
5	QPSK	1	24	23.26	23.21	23.08
5	QPSK	12	0	22.45	22.51	22.35
5	QPSK	12	7	22.38	22.44	22.29
5	QPSK	12	13	22.30	22.38	22.17
5	QPSK	25	0	22.20	22.24	22.14
5	16QAM	1	0	22.40	22.55	22.37
5	16QAM	1	12	22.25	22.53	22.34
5	16QAM	1	24	22.24	22.46	22.30
5	16QAM	12	0	22.39	22.41	22.43
5	16QAM	12	7	22.36	22.36	22.36
5	16QAM	12	13	22.26	22.21	22.32
5	16QAM	25	0	22.22	22.17	22.27
5	64QAM	1	0	22.19	22.45	22.39
5	64QAM	1	12	22.12	22.40	22.35
5	64QAM	1	24	22.06	22.28	22.24
5	64QAM	12	0	22.20	22.18	22.11
5	64QAM	12	7	22.14	22.17	22.01
5	64QAM	12	13	21.98	22.06	21.93
5	64QAM	25	0	21.92	21.98	21.86

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.42	23.43	23.34
3	QPSK	1	8	23.34	23.24	23.23
3	QPSK	1	14	23.21	23.16	23.03
3	QPSK	8	0	22.40	22.46	22.30
3	QPSK	8	4	22.33	22.39	22.24
3	QPSK	8	7	22.25	22.33	22.12
3	QPSK	15	0	22.15	22.19	22.09
3	16QAM	1	0	22.35	22.50	22.32
3	16QAM	1	8	22.20	22.48	22.29
3	16QAM	1	14	22.19	22.41	22.25
3	16QAM	8	0	22.34	22.36	22.38
3	16QAM	8	4	22.31	22.31	22.31
3	16QAM	8	7	22.21	22.16	22.27
3	16QAM	15	0	22.17	22.12	22.22
3	64QAM	1	0	22.14	22.40	22.34
3	64QAM	1	8	22.07	22.35	22.30
3	64QAM	1	14	22.01	22.23	22.19
3	64QAM	8	0	22.15	22.13	22.06
3	64QAM	8	4	22.09	22.12	21.96
3	64QAM	8	7	21.93	22.01	21.88
3	64QAM	15	0	21.87	21.93	21.81

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.37	23.38	23.29
1.4	QPSK	1	3	23.29	23.19	23.18
1.4	QPSK	1	5	23.16	23.11	22.98
1.4	QPSK	3	0	22.35	22.41	22.25
1.4	QPSK	3	1	22.28	22.34	22.19
1.4	QPSK	3	3	22.20	22.28	22.07
1.4	QPSK	6	0	22.10	22.14	22.04
1.4	16QAM	1	0	22.30	22.45	22.27
1.4	16QAM	1	3	22.15	22.43	22.24
1.4	16QAM	1	5	22.14	22.36	22.20
1.4	16QAM	3	0	22.29	22.31	22.33
1.4	16QAM	3	1	22.26	22.26	22.26
1.4	16QAM	3	3	22.16	22.11	22.22
1.4	16QAM	6	0	22.12	22.07	22.17
1.4	64QAM	1	0	22.09	22.35	22.29
1.4	64QAM	1	3	22.02	22.30	22.25
1.4	64QAM	1	5	21.96	22.18	22.14
1.4	64QAM	3	0	22.10	22.08	22.01
1.4	64QAM	3	1	22.04	22.07	21.91
1.4	64QAM	3	3	21.88	21.96	21.83
1.4	64QAM	6	0	21.82	21.88	21.76

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	23.68	23.75	23.70
20	QPSK	1	49	23.62	23.65	23.63
20	QPSK	1	99	23.58	23.57	23.53
20	QPSK	50	0	22.64	22.69	22.65
20	QPSK	50	24	22.63	22.61	22.62
20	QPSK	50	50	22.58	22.55	22.52
20	QPSK	100	0	22.50	22.52	22.48
20	16QAM	1	0	22.61	22.66	22.57
20	16QAM	1	49	22.51	22.65	22.48
20	16QAM	1	99	22.47	22.63	22.38
20	16QAM	50	0	22.47	22.52	22.56
20	16QAM	50	24	22.43	22.43	22.47
20	16QAM	50	50	22.39	22.37	22.43
20	16QAM	100	0	22.33	22.35	22.40
20	64QAM	1	0	22.68	22.49	22.70
20	64QAM	1	49	22.66	22.48	22.68
20	64QAM	1	99	22.60	22.44	22.64
20	64QAM	50	0	22.57	22.24	22.27
20	64QAM	50	24	22.19	22.22	22.19
20	64QAM	50	50	22.13	22.14	22.10
20	64QAM	100	0	22.12	22.11	22.09

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	23.67	23.73	23.65
15	QPSK	1	37	23.56	23.63	23.58
15	QPSK	1	74	23.54	23.55	23.51
15	QPSK	36	0	22.62	22.66	22.64
15	QPSK	36	20	22.59	22.56	22.60
15	QPSK	36	39	22.56	22.53	22.50
15	QPSK	75	0	22.48	22.46	22.46
15	16QAM	1	0	22.56	22.63	22.52
15	16QAM	1	37	22.48	22.61	22.45
15	16QAM	1	74	22.41	22.60	22.34
15	16QAM	36	0	22.46	22.49	22.50
15	16QAM	36	20	22.38	22.38	22.43
15	16QAM	36	39	22.37	22.33	22.41
15	16QAM	75	0	22.28	22.31	22.38
15	64QAM	1	0	22.67	22.45	22.67
15	64QAM	1	37	22.61	22.47	22.64
15	64QAM	1	74	22.59	22.42	22.59
15	64QAM	36	0	22.54	22.22	22.25
15	64QAM	36	20	22.14	22.16	22.14
15	64QAM	36	39	22.08	22.12	22.05
15	64QAM	75	0	22.09	22.08	22.04

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	23.65	23.69	23.64
10	QPSK	1	25	23.57	23.57	23.56
10	QPSK	1	49	23.52	23.49	23.47
10	QPSK	25	0	22.50	22.63	22.58
10	QPSK	25	12	22.59	22.51	22.52
10	QPSK	25	25	22.56	22.46	22.45
10	QPSK	50	0	22.47	22.46	22.43
10	16QAM	1	0	22.54	22.56	22.49
10	16QAM	1	25	22.45	22.59	22.44
10	16QAM	1	49	22.40	22.56	22.35
10	16QAM	25	0	22.42	22.44	22.50
10	16QAM	25	12	22.34	22.35	22.42
10	16QAM	25	25	22.29	22.29	22.34
10	16QAM	50	0	22.26	22.30	22.35
10	64QAM	1	0	22.62	22.41	22.65
10	64QAM	1	25	22.62	22.41	22.57
10	64QAM	1	49	22.50	22.39	22.57
10	64QAM	25	0	22.48	22.20	22.18
10	64QAM	25	12	22.13	22.14	22.09
10	64QAM	25	25	22.03	22.06	22.02
10	64QAM	50	0	22.05	22.03	21.99

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.64	23.66	23.62
5	QPSK	1	12	23.53	23.51	23.52
5	QPSK	1	24	23.50	23.44	23.43
5	QPSK	12	0	22.47	22.58	22.54
5	QPSK	12	7	22.45	22.45	22.47
5	QPSK	12	13	22.54	22.41	22.43
5	QPSK	25	0	22.42	22.41	22.39
5	16QAM	1	0	22.49	22.52	22.44
5	16QAM	1	12	22.41	22.53	22.41
5	16QAM	1	24	22.34	22.52	22.29
5	16QAM	12	0	22.40	22.43	22.47
5	16QAM	12	7	22.29	22.32	22.40
5	16QAM	12	13	22.26	22.27	22.30
5	16QAM	25	0	22.22	22.28	22.31
5	64QAM	1	0	22.57	22.35	22.59
5	64QAM	1	12	22.57	22.36	22.56
5	64QAM	1	24	22.48	22.34	22.55
5	64QAM	12	0	22.43	22.18	22.12
5	64QAM	12	7	22.09	22.10	22.07
5	64QAM	12	13	22.01	22.01	22.00
5	64QAM	25	0	22.03	21.99	21.97

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	23.59	23.61	23.57
3	QPSK	1	8	23.48	23.46	23.47
3	QPSK	1	14	23.47	23.39	23.38
3	QPSK	8	0	22.42	22.53	22.49
3	QPSK	8	4	22.39	22.40	22.42
3	QPSK	8	7	22.35	22.36	22.38
3	QPSK	15	0	22.37	22.36	22.34
3	16QAM	1	0	22.44	22.47	22.39
3	16QAM	1	8	22.36	22.48	22.36
3	16QAM	1	14	22.29	22.47	22.24
3	16QAM	8	0	22.35	22.38	22.42
3	16QAM	8	4	22.24	22.27	22.35
3	16QAM	8	7	22.21	22.22	22.25
3	16QAM	15	0	22.17	22.23	22.26
3	64QAM	1	0	22.52	22.30	22.54
3	64QAM	1	8	22.52	22.31	22.51
3	64QAM	1	14	22.43	22.29	22.50
3	64QAM	8	0	22.38	22.13	22.07
3	64QAM	8	4	22.04	22.05	22.02
3	64QAM	8	7	21.96	21.96	21.95
3	64QAM	15	0	21.98	21.94	21.92

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	23.57	23.59	23.55
1.4	QPSK	1	3	23.46	23.44	23.45
1.4	QPSK	1	5	23.47	23.37	23.36
1.4	QPSK	3	0	22.42	22.51	22.47
1.4	QPSK	3	1	22.40	22.38	22.40
1.4	QPSK	3	3	22.39	22.34	22.36
1.4	QPSK	6	0	22.35	22.34	22.32
1.4	16QAM	1	0	22.39	22.42	22.34
1.4	16QAM	1	3	22.31	22.43	22.31
1.4	16QAM	1	5	22.24	22.42	22.19
1.4	16QAM	3	0	22.30	22.33	22.37
1.4	16QAM	3	1	22.19	22.22	22.30
1.4	16QAM	3	3	22.16	22.17	22.20
1.4	16QAM	6	0	22.12	22.18	22.21
1.4	64QAM	1	0	22.47	22.25	22.49
1.4	64QAM	1	3	22.47	22.26	22.46
1.4	64QAM	1	5	22.38	22.24	22.45
1.4	64QAM	3	0	22.33	22.08	22.02
1.4	64QAM	3	1	21.99	22.00	21.97
1.4	64QAM	3	3	21.91	21.91	21.90
1.4	64QAM	6	0	21.93	21.89	21.87

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.97	24.08	24.00
10	QPSK	1	25	23.88	24.02	23.94
10	QPSK	1	49	23.84	24.00	23.89
10	QPSK	25	0	22.84	22.91	22.86
10	QPSK	25	12	22.81	22.80	22.84
10	QPSK	25	25	22.70	22.76	22.77
10	QPSK	50	0	22.66	22.74	22.75
10	16QAM	1	0	22.81	22.92	22.90
10	16QAM	1	25	22.78	22.83	22.81
10	16QAM	1	49	22.69	22.73	22.77
10	16QAM	25	0	22.52	22.62	22.56
10	16QAM	25	12	22.43	22.51	22.54
10	16QAM	25	25	22.32	22.48	22.49
10	16QAM	50	0	22.29	22.39	22.38
10	64QAM	1	0	22.88	22.66	22.60
10	64QAM	1	25	22.80	22.64	22.56
10	64QAM	1	49	22.77	22.60	22.47
10	64QAM	25	0	22.41	22.44	22.38
10	64QAM	25	12	22.33	22.33	22.32
10	64QAM	25	25	22.26	22.23	22.26
10	64QAM	50	0	22.24	22.13	22.17

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.92	24.03	23.95
5	QPSK	1	12	23.83	23.97	23.89
5	QPSK	1	24	23.79	23.95	23.84
5	QPSK	12	0	22.79	22.86	22.81
5	QPSK	12	7	22.76	22.75	22.79
5	QPSK	12	13	22.65	22.71	22.72
5	QPSK	25	0	22.61	22.69	22.70
5	16QAM	1	0	22.76	22.87	22.85
5	16QAM	1	12	22.73	22.78	22.76
5	16QAM	1	24	22.64	22.68	22.72
5	16QAM	12	0	22.47	22.57	22.51
5	16QAM	12	7	22.38	22.46	22.49
5	16QAM	12	13	22.27	22.43	22.44
5	16QAM	25	0	22.24	22.34	22.33
5	64QAM	1	0	22.83	22.61	22.55
5	64QAM	1	12	22.75	22.59	22.51
5	64QAM	1	24	22.72	22.55	22.42
5	64QAM	12	0	22.36	22.39	22.33
5	64QAM	12	7	22.28	22.28	22.27
5	64QAM	12	13	22.21	22.18	22.21
5	64QAM	25	0	22.19	22.08	22.12

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.87	23.98	23.90
3	QPSK	1	8	23.78	23.92	23.84
3	QPSK	1	14	23.74	23.90	23.79
3	QPSK	8	0	22.74	22.81	22.76
3	QPSK	8	4	22.71	22.70	22.74
3	QPSK	8	7	22.60	22.66	22.67
3	QPSK	15	0	22.56	22.64	22.65
3	16QAM	1	0	22.71	22.82	22.80
3	16QAM	1	8	22.68	22.73	22.71
3	16QAM	1	14	22.59	22.63	22.67
3	16QAM	8	0	22.42	22.52	22.46
3	16QAM	8	4	22.33	22.41	22.44
3	16QAM	8	7	22.22	22.38	22.39
3	16QAM	15	0	22.19	22.29	22.28
3	64QAM	1	0	22.78	22.56	22.50
3	64QAM	1	8	22.70	22.54	22.46
3	64QAM	1	14	22.67	22.50	22.37
3	64QAM	8	0	22.31	22.34	22.28
3	64QAM	8	4	22.23	22.23	22.22
3	64QAM	8	7	22.16	22.13	22.16
3	64QAM	15	0	22.14	22.03	22.07

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.82	23.93	23.85
1.4	QPSK	1	3	23.73	23.87	23.79
1.4	QPSK	1	5	23.69	23.85	23.74
1.4	QPSK	3	0	22.69	22.76	22.71
1.4	QPSK	3	1	22.66	22.65	22.69
1.4	QPSK	3	3	22.55	22.61	22.62
1.4	QPSK	6	0	22.51	22.59	22.60
1.4	16QAM	1	0	22.66	22.77	22.75
1.4	16QAM	1	3	22.63	22.68	22.66
1.4	16QAM	1	5	22.54	22.58	22.62
1.4	16QAM	3	0	22.37	22.47	22.41
1.4	16QAM	3	1	22.28	22.36	22.39
1.4	16QAM	3	3	22.17	22.33	22.34
1.4	16QAM	6	0	22.14	22.24	22.23
1.4	64QAM	1	0	22.73	22.51	22.45
1.4	64QAM	1	3	22.65	22.49	22.41
1.4	64QAM	1	5	22.62	22.45	22.32
1.4	64QAM	3	0	22.26	22.29	22.23
1.4	64QAM	3	1	22.18	22.18	22.17
1.4	64QAM	3	3	22.11	22.08	22.11
1.4	64QAM	6	0	22.09	21.98	22.02

LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	23230	/
Frequency (MHz)				/	782	/
10	QPSK	1	0	/	24.11	/
10	QPSK	1	25	/	24.01	/
10	QPSK	1	49	/	23.90	/
10	QPSK	25	0	/	23.08	/
10	QPSK	25	12	/	22.97	/
10	QPSK	25	25	/	22.93	/
10	QPSK	50	0	/	22.82	/
10	16QAM	1	0	/	22.82	/
10	16QAM	1	25	/	22.79	/
10	16QAM	1	49	/	22.77	/
10	16QAM	25	0	/	22.35	/
10	16QAM	25	12	/	22.28	/
10	16QAM	25	25	/	22.21	/
10	16QAM	50	0	/	22.13	/
10	64QAM	1	0	/	22.77	/
10	64QAM	1	25	/	22.71	/
10	64QAM	1	49	/	22.67	/
10	64QAM	25	0	/	22.43	/
10	64QAM	25	12	/	22.40	/
10	64QAM	25	25	/	22.33	/
10	64QAM	50	0	/	22.28	/

LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23205	23230	23255
Frequency (MHz)				779.5	782	784.5
5	QPSK	1	0	23.92	24.07	24.01
5	QPSK	1	12	23.85	23.97	23.91
5	QPSK	1	24	23.70	23.83	23.76
5	QPSK	12	0	22.91	23.03	22.90
5	QPSK	12	7	22.77	22.91	22.84
5	QPSK	12	13	22.75	22.89	22.84
5	QPSK	25	0	22.62	22.76	22.68
5	16QAM	1	0	22.64	22.77	22.71
5	16QAM	1	12	22.62	22.75	22.66
5	16QAM	1	24	22.54	22.71	22.63
5	16QAM	12	0	22.16	22.31	22.24
5	16QAM	12	7	22.14	22.21	22.21
5	16QAM	12	13	22.03	22.15	22.10
5	16QAM	25	0	21.95	22.08	21.99
5	64QAM	1	0	22.67	22.73	22.65
5	64QAM	1	12	22.49	22.67	22.55
5	64QAM	1	24	22.51	22.61	22.56
5	64QAM	12	0	22.27	22.38	22.31
5	64QAM	12	7	22.22	22.36	22.27
5	64QAM	12	13	22.17	22.27	22.20
5	64QAM	25	0	22.08	22.23	22.15

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	23.71	23.79	23.65
20	QPSK	1	49	23.62	23.70	23.60
20	QPSK	1	99	23.54	23.63	23.54
20	QPSK	50	0	22.66	22.76	22.63
20	QPSK	50	24	22.55	22.66	22.59
20	QPSK	50	50	22.51	22.60	22.50
20	QPSK	100	0	22.46	22.51	22.49
20	16QAM	1	0	22.70	22.74	22.72
20	16QAM	1	49	22.63	22.71	22.64
20	16QAM	1	99	22.54	22.65	22.54
20	16QAM	50	0	22.51	22.53	22.51
20	16QAM	50	24	22.48	22.52	22.47
20	16QAM	50	50	22.40	22.44	22.38
20	16QAM	100	0	22.34	22.35	22.30
20	64QAM	1	0	22.50	22.65	22.58
20	64QAM	1	49	22.47	22.64	22.55
20	64QAM	1	99	22.40	22.62	22.49
20	64QAM	50	0	22.43	22.47	22.51
20	64QAM	50	24	22.41	22.42	22.48
20	64QAM	50	50	22.36	22.36	22.45
20	64QAM	100	0	22.26	22.34	22.41

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	23.67	23.75	23.62
15	QPSK	1	37	23.59	23.69	23.56
15	QPSK	1	74	23.53	23.59	23.50
15	QPSK	36	0	22.61	22.73	22.59
15	QPSK	36	20	22.53	22.63	22.57
15	QPSK	36	39	22.46	22.57	22.46
15	QPSK	75	0	22.44	22.48	22.46
15	16QAM	1	0	22.66	22.71	22.68
15	16QAM	1	37	22.61	22.70	22.62
15	16QAM	1	74	22.49	22.61	22.51
15	16QAM	36	0	22.48	22.51	22.49
15	16QAM	36	20	22.46	22.47	22.43
15	16QAM	36	39	22.37	22.41	22.34
15	16QAM	75	0	22.32	22.30	22.28
15	64QAM	1	0	22.47	22.60	22.53
15	64QAM	1	37	22.42	22.62	22.53
15	64QAM	1	74	22.38	22.60	22.46
15	64QAM	36	0	22.41	22.45	22.49
15	64QAM	36	20	22.36	22.39	22.45
15	64QAM	36	39	22.33	22.32	22.43
15	64QAM	75	0	22.24	22.31	22.38

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	23.61	23.69	23.55
10	QPSK	1	25	23.52	23.60	23.50
10	QPSK	1	49	23.44	23.53	23.44
10	QPSK	25	0	22.56	22.66	22.53
10	QPSK	25	12	22.45	22.56	22.49
10	QPSK	25	25	22.41	22.50	22.40
10	QPSK	50	0	22.36	22.41	22.39
10	16QAM	1	0	22.60	22.64	22.62
10	16QAM	1	25	22.53	22.61	22.54
10	16QAM	1	49	22.44	22.55	22.44
10	16QAM	25	0	22.41	22.43	22.41
10	16QAM	25	12	22.38	22.42	22.37
10	16QAM	25	25	22.30	22.34	22.28
10	16QAM	50	0	22.24	22.25	22.20
10	64QAM	1	0	22.40	22.55	22.48
10	64QAM	1	25	22.37	22.54	22.45
10	64QAM	1	49	22.30	22.52	22.39
10	64QAM	25	0	22.33	22.37	22.41
10	64QAM	25	12	22.31	22.32	22.38
10	64QAM	25	25	22.26	22.26	22.35
10	64QAM	50	0	22.16	22.24	22.31

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	23.56	23.64	23.50
5	QPSK	1	12	23.47	23.55	23.45
5	QPSK	1	24	23.39	23.48	23.39
5	QPSK	12	0	22.51	22.61	22.48
5	QPSK	12	7	22.40	22.51	22.44
5	QPSK	12	13	22.36	22.45	22.35
5	QPSK	25	0	22.31	22.36	22.34
5	16QAM	1	0	22.55	22.59	22.57
5	16QAM	1	12	22.48	22.56	22.49
5	16QAM	1	24	22.39	22.50	22.39
5	16QAM	12	0	22.36	22.38	22.36
5	16QAM	12	7	22.33	22.37	22.32
5	16QAM	12	13	22.25	22.29	22.23
5	16QAM	25	0	22.19	22.20	22.15
5	64QAM	1	0	22.35	22.50	22.43
5	64QAM	1	12	22.32	22.49	22.40
5	64QAM	1	24	22.25	22.47	22.34
5	64QAM	12	0	22.28	22.32	22.36
5	64QAM	12	7	22.26	22.27	22.33
5	64QAM	12	13	22.21	22.21	22.30
5	64QAM	25	0	22.11	22.19	22.26

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	23.51	23.59	23.45
3	QPSK	1	8	23.42	23.50	23.40
3	QPSK	1	14	23.34	23.43	23.34
3	QPSK	8	0	22.46	22.56	22.43
3	QPSK	8	4	22.35	22.46	22.39
3	QPSK	8	7	22.31	22.40	22.30
3	QPSK	15	0	22.26	22.31	22.29
3	16QAM	1	0	22.50	22.54	22.52
3	16QAM	1	8	22.43	22.51	22.44
3	16QAM	1	14	22.34	22.45	22.34
3	16QAM	8	0	22.31	22.33	22.31
3	16QAM	8	4	22.28	22.32	22.27
3	16QAM	8	7	22.20	22.24	22.18
3	16QAM	15	0	22.14	22.15	22.10
3	64QAM	1	0	22.30	22.45	22.38
3	64QAM	1	8	22.27	22.44	22.35
3	64QAM	1	14	22.20	22.42	22.29
3	64QAM	8	0	22.23	22.27	22.31
3	64QAM	8	4	22.21	22.22	22.28
3	64QAM	8	7	22.16	22.16	22.25
3	64QAM	15	0	22.06	22.14	22.21

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	23.46	23.54	23.40
1.4	QPSK	1	3	23.37	23.45	23.35
1.4	QPSK	1	5	23.29	23.38	23.29
1.4	QPSK	3	0	22.51	22.56	22.38
1.4	QPSK	3	1	22.40	22.41	22.34
1.4	QPSK	3	3	22.36	22.35	22.30
1.4	QPSK	6	0	22.21	22.26	22.24
1.4	16QAM	1	0	22.45	22.49	22.47
1.4	16QAM	1	3	22.38	22.46	22.39
1.4	16QAM	1	5	22.29	22.40	22.29
1.4	16QAM	3	0	22.26	22.28	22.26
1.4	16QAM	3	1	22.23	22.27	22.22
1.4	16QAM	3	3	22.15	22.19	22.13
1.4	16QAM	6	0	22.09	22.10	22.05
1.4	64QAM	1	0	22.25	22.40	22.33
1.4	64QAM	1	3	22.22	22.39	22.30
1.4	64QAM	1	5	22.15	22.37	22.24
1.4	64QAM	3	0	22.18	22.22	22.26
1.4	64QAM	3	1	22.16	22.17	22.23
1.4	64QAM	3	3	22.11	22.11	22.20
1.4	64QAM	6	0	22.01	22.09	22.16

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	24.13	24.19	24.16
20	QPSK	1	49	24.00	24.11	24.08
20	QPSK	1	99	21.06	24.06	24.05
20	QPSK	50	0	23.27	23.28	23.21
20	QPSK	50	24	23.11	23.20	23.02
20	QPSK	50	50	23.06	23.15	23.14
20	QPSK	100	0	22.93	23.00	23.04
20	16QAM	1	0	23.13	23.19	23.07
20	16QAM	1	49	22.87	22.92	22.88
20	16QAM	1	99	22.94	22.18	22.20
20	16QAM	50	0	22.23	22.24	22.17
20	16QAM	50	24	22.17	22.18	22.16
20	16QAM	50	50	22.24	22.13	22.03
20	16QAM	100	0	22.16	22.17	22.34
20	64QAM	1	0	22.21	22.19	22.17
20	64QAM	1	49	22.17	22.21	22.08
20	64QAM	1	99	22.14	22.13	22.15
20	64QAM	50	0	21.13	21.15	21.16
20	64QAM	50	24	21.17	21.04	21.08
20	64QAM	50	50	21.04	21.09	21.12
20	64QAM	100	0	21.13	21.16	21.16

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	24.08	24.14	24.08
15	QPSK	1	37	24.03	24.06	24.03
15	QPSK	1	74	24.06	24.11	24.00
15	QPSK	36	0	23.22	23.23	23.16
15	QPSK	36	20	23.14	23.19	23.14
15	QPSK	36	39	23.10	23.14	23.06
15	QPSK	75	0	23.00	23.18	23.11
15	16QAM	1	0	23.08	23.14	23.02
15	16QAM	1	37	22.82	22.87	22.93
15	16QAM	1	74	23.89	23.10	23.02
15	16QAM	36	0	22.28	22.19	22.12
15	16QAM	36	20	22.17	22.27	22.17
15	16QAM	36	39	22.19	22.18	22.26
15	16QAM	75	0	22.11	22.12	22.13
15	64QAM	1	0	22.18	22.14	22.22
15	64QAM	1	37	22.12	22.17	22.14
15	64QAM	1	74	22.19	22.08	22.21
15	64QAM	36	0	21.28	21.09	21.22
15	64QAM	36	20	21.27	21.21	21.13
15	64QAM	36	39	21.19	21.18	21.16
15	64QAM	75	0	21.18	21.12	21.09

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	24.03	24.09	23.97
10	QPSK	1	25	23.97	23.92	23.91
10	QPSK	1	49	23.94	23.83	23.85
10	QPSK	25	0	23.17	23.18	23.11
10	QPSK	25	12	23.12	23.20	23.15
10	QPSK	25	25	23.09	23.09	23.06
10	QPSK	50	0	23.03	22.97	23.00
10	16QAM	1	0	23.03	23.09	22.97
10	16QAM	1	25	22.97	22.92	23.01
10	16QAM	1	49	22.94	23.00	22.85
10	16QAM	25	0	22.24	22.31	22.19
10	16QAM	25	12	22.27	22.27	22.24
10	16QAM	25	25	22.14	22.13	22.23
10	16QAM	50	0	22.16	22.19	22.16
10	64QAM	1	0	22.23	23.29	22.27
10	64QAM	1	25	22.27	22.22	22.18
10	64QAM	1	49	22.24	22.23	22.19
10	64QAM	25	0	21.39	21.34	21.27
10	64QAM	25	12	21.26	21.27	21.18
10	64QAM	25	25	21.24	21.22	21.22
10	64QAM	50	0	21.16	21.16	21.17

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	24.01	24.04	23.92
5	QPSK	1	12	23.97	23.97	23.93
5	QPSK	1	24	23.89	23.88	23.86
5	QPSK	12	0	23.12	23.13	23.06
5	QPSK	12	7	22.86	22.91	22.87
5	QPSK	12	13	22.93	22.93	22.87
5	QPSK	25	0	22.99	22.80	22.92
5	16QAM	1	0	22.98	23.04	22.92
5	16QAM	1	12	22.72	22.77	22.73
5	16QAM	1	24	22.59	22.58	22.60
5	16QAM	12	0	22.39	22.29	22.22
5	16QAM	12	7	22.22	22.17	22.23
5	16QAM	12	13	22.29	22.18	22.15
5	16QAM	25	0	22.31	22.22	22.19
5	64QAM	1	0	22.18	21.91	22.21
5	64QAM	1	12	22.17	22.10	22.13
5	64QAM	1	24	22.09	22.13	22.16
5	64QAM	12	0	21.38	21.28	21.28
5	64QAM	12	7	21.26	21.16	21.13
5	64QAM	12	13	21.19	21.12	21.05
5	64QAM	25	0	21.31	21.22	21.19

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	21.59	0.144	21.63	0.146	21.52	0.142
20	QPSK	1	49	21.52	0.142	21.42	0.139	21.41	0.138
20	QPSK	1	99	21.41	0.138	21.32	0.136	21.24	0.133
20	QPSK	50	0	20.59	0.115	20.63	0.116	20.50	0.112
20	QPSK	50	24	20.50	0.112	20.59	0.115	20.41	0.110
20	QPSK	50	50	20.43	0.110	20.51	0.112	20.30	0.107
20	QPSK	100	0	20.33	0.108	20.39	0.109	20.26	0.106
20	16QAM	1	0	20.53	0.113	20.67	0.117	20.52	0.113
20	16QAM	1	49	20.41	0.110	20.65	0.116	20.47	0.111
20	16QAM	1	99	20.36	0.109	20.61	0.115	20.45	0.111
20	16QAM	50	0	20.54	0.113	20.56	0.114	20.58	0.114
20	16QAM	50	24	20.48	0.112	20.50	0.112	20.51	0.112
20	16QAM	50	50	20.39	0.109	20.37	0.109	20.46	0.111
20	16QAM	100	0	20.36	0.109	20.33	0.108	20.39	0.109
20	64QAM	1	0	20.34	0.108	20.59	0.115	20.54	0.113
20	64QAM	1	49	20.24	0.106	20.53	0.113	20.51	0.112
20	64QAM	1	99	20.19	0.104	20.42	0.110	20.38	0.109
20	64QAM	50	0	20.31	0.107	20.34	0.108	20.25	0.106
20	64QAM	50	24	20.28	0.107	20.31	0.107	20.17	0.104
20	64QAM	50	50	20.14	0.103	20.20	0.105	20.05	0.101
20	64QAM	100	0	20.07	0.102	20.12	0.103	20.00	0.100

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	21.57	0.144	21.58	0.144	21.49	0.141
15	QPSK	1	37	21.49	0.141	21.39	0.138	21.38	0.137
15	QPSK	1	74	21.36	0.137	21.31	0.135	21.18	0.131
15	QPSK	36	0	20.55	0.114	20.61	0.115	20.45	0.111
15	QPSK	36	20	20.48	0.112	20.54	0.113	20.39	0.109
15	QPSK	36	39	20.40	0.110	20.48	0.112	20.27	0.106
15	QPSK	75	0	20.30	0.107	20.34	0.108	20.24	0.106
15	16QAM	1	0	20.50	0.112	20.65	0.116	20.47	0.111
15	16QAM	1	37	20.35	0.108	20.63	0.116	20.44	0.111
15	16QAM	1	74	20.34	0.108	20.56	0.114	20.40	0.110
15	16QAM	36	0	20.49	0.112	20.51	0.112	20.53	0.113
15	16QAM	36	20	20.46	0.111	20.46	0.111	20.46	0.111
15	16QAM	36	39	20.36	0.109	20.31	0.107	20.42	0.110
15	16QAM	75	0	20.32	0.108	20.27	0.106	20.37	0.109
15	64QAM	1	0	20.29	0.107	20.55	0.114	20.49	0.112
15	64QAM	1	37	20.22	0.105	20.50	0.112	20.45	0.111
15	64QAM	1	74	20.16	0.104	20.38	0.109	20.34	0.108
15	64QAM	36	0	20.30	0.107	20.28	0.107	20.21	0.105
15	64QAM	36	20	20.24	0.106	20.27	0.106	20.11	0.103
15	64QAM	36	39	20.08	0.102	20.16	0.104	20.03	0.101
15	64QAM	75	0	20.02	0.100	20.08	0.102	19.96	0.099

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	21.52	0.142	21.53	0.142	21.44	0.139
10	QPSK	1	25	21.44	0.139	21.34	0.136	21.33	0.136
10	QPSK	1	49	21.31	0.135	21.26	0.134	21.13	0.130
10	QPSK	25	0	20.50	0.112	20.56	0.114	20.40	0.110
10	QPSK	25	12	20.43	0.110	20.49	0.112	20.34	0.108
10	QPSK	25	25	20.35	0.108	20.43	0.110	20.22	0.105
10	QPSK	50	0	20.25	0.106	20.29	0.107	20.19	0.104
10	16QAM	1	0	20.45	0.111	20.60	0.115	20.42	0.110
10	16QAM	1	25	20.30	0.107	20.58	0.114	20.39	0.109
10	16QAM	1	49	20.29	0.107	20.51	0.112	20.35	0.108
10	16QAM	25	0	20.44	0.111	20.46	0.111	20.48	0.112
10	16QAM	25	12	20.41	0.110	20.41	0.110	20.41	0.110
10	16QAM	25	25	20.31	0.107	20.26	0.106	20.37	0.109
10	16QAM	50	0	20.27	0.106	20.22	0.105	20.32	0.108
10	64QAM	1	0	20.24	0.106	20.50	0.112	20.44	0.111
10	64QAM	1	25	20.17	0.104	20.45	0.111	20.40	0.110
10	64QAM	1	49	20.11	0.103	20.33	0.108	20.29	0.107
10	64QAM	25	0	20.25	0.106	20.23	0.105	20.16	0.104
10	64QAM	25	12	20.19	0.104	20.22	0.105	20.06	0.101
10	64QAM	25	25	20.03	0.101	20.11	0.103	19.98	0.100
10	64QAM	50	0	19.97	0.099	20.03	0.101	19.91	0.098

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	21.47	0.140	21.48	0.141	21.39	0.138
5	QPSK	1	12	21.39	0.138	21.29	0.135	21.28	0.134
5	QPSK	1	24	21.26	0.134	21.21	0.132	21.08	0.128
5	QPSK	12	0	20.45	0.111	20.51	0.112	20.35	0.108
5	QPSK	12	7	20.38	0.109	20.44	0.111	20.29	0.107
5	QPSK	12	13	20.30	0.107	20.38	0.109	20.17	0.104
5	QPSK	25	0	20.20	0.105	20.24	0.106	20.14	0.103
5	16QAM	1	0	20.40	0.110	20.55	0.114	20.37	0.109
5	16QAM	1	12	20.25	0.106	20.53	0.113	20.34	0.108
5	16QAM	1	24	20.24	0.106	20.46	0.111	20.30	0.107
5	16QAM	12	0	20.39	0.109	20.41	0.110	20.43	0.110
5	16QAM	12	7	20.36	0.109	20.36	0.109	20.36	0.109
5	16QAM	12	13	20.26	0.106	20.21	0.105	20.32	0.108
5	16QAM	25	0	20.22	0.105	20.17	0.104	20.27	0.106
5	64QAM	1	0	20.19	0.104	20.45	0.111	20.39	0.109
5	64QAM	1	12	20.12	0.103	20.40	0.110	20.35	0.108
5	64QAM	1	24	20.06	0.101	20.28	0.107	20.24	0.106
5	64QAM	12	0	20.20	0.105	20.18	0.104	20.11	0.103
5	64QAM	12	7	20.14	0.103	20.17	0.104	20.01	0.100
5	64QAM	12	13	19.98	0.100	20.06	0.101	19.93	0.098
5	64QAM	25	0	19.92	0.098	19.98	0.100	19.86	0.097

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	21.42	0.139	21.43	0.139	21.34	0.136
3	QPSK	1	8	21.34	0.136	21.24	0.133	21.23	0.133
3	QPSK	1	14	21.21	0.132	21.16	0.131	21.03	0.127
3	QPSK	8	0	20.40	0.110	20.46	0.111	20.30	0.107
3	QPSK	8	4	20.33	0.108	20.39	0.109	20.24	0.106
3	QPSK	8	7	20.25	0.106	20.33	0.108	20.12	0.103
3	QPSK	15	0	20.15	0.104	20.19	0.104	20.09	0.102
3	16QAM	1	0	20.35	0.108	20.50	0.112	20.32	0.108
3	16QAM	1	8	20.20	0.105	20.48	0.112	20.29	0.107
3	16QAM	1	14	20.19	0.104	20.41	0.110	20.25	0.106
3	16QAM	8	0	20.34	0.108	20.36	0.109	20.38	0.109
3	16QAM	8	4	20.31	0.107	20.31	0.107	20.31	0.107
3	16QAM	8	7	20.21	0.105	20.16	0.104	20.27	0.106
3	16QAM	15	0	20.17	0.104	20.12	0.103	20.22	0.105
3	64QAM	1	0	20.14	0.103	20.40	0.110	20.34	0.108
3	64QAM	1	8	20.07	0.102	20.35	0.108	20.30	0.107
3	64QAM	1	14	20.01	0.100	20.23	0.105	20.19	0.104
3	64QAM	8	0	20.15	0.104	20.13	0.103	20.06	0.101
3	64QAM	8	4	20.09	0.102	20.12	0.103	19.96	0.099
3	64QAM	8	7	19.93	0.098	20.01	0.100	19.88	0.097
3	64QAM	15	0	19.87	0.097	19.93	0.098	19.81	0.096

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	21.37	0.137	21.38	0.137	21.29	0.135
1.4	QPSK	1	3	21.29	0.135	21.19	0.132	21.18	0.131
1.4	QPSK	1	5	21.16	0.131	21.11	0.129	20.98	0.125
1.4	QPSK	3	0	20.35	0.108	20.41	0.110	20.25	0.106
1.4	QPSK	3	1	20.28	0.107	20.34	0.108	20.19	0.104
1.4	QPSK	3	3	20.20	0.105	20.28	0.107	20.07	0.102
1.4	QPSK	6	0	20.10	0.102	20.14	0.103	20.04	0.101
1.4	16QAM	1	0	20.30	0.107	20.45	0.111	20.27	0.106
1.4	16QAM	1	3	20.15	0.104	20.43	0.110	20.24	0.106
1.4	16QAM	1	5	20.14	0.103	20.36	0.109	20.20	0.105
1.4	16QAM	3	0	20.29	0.107	20.31	0.107	20.33	0.108
1.4	16QAM	3	1	20.26	0.106	20.26	0.106	20.26	0.106
1.4	16QAM	3	3	20.16	0.104	20.11	0.103	20.22	0.105
1.4	16QAM	6	0	20.12	0.103	20.07	0.102	20.17	0.104
1.4	64QAM	1	0	20.09	0.102	20.35	0.108	20.29	0.107
1.4	64QAM	1	3	20.02	0.100	20.30	0.107	20.25	0.106
1.4	64QAM	1	5	19.96	0.099	20.18	0.104	20.14	0.103
1.4	64QAM	3	0	20.10	0.102	20.08	0.102	20.01	0.100
1.4	64QAM	3	1	20.04	0.101	20.07	0.102	19.91	0.098
1.4	64QAM	3	3	19.88	0.097	19.96	0.099	19.83	0.096
1.4	64QAM	6	0	19.82	0.096	19.88	0.097	19.76	0.095

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	21.08	0.128	21.15	0.130	21.10	0.129
20	QPSK	1	49	21.02	0.126	21.05	0.127	21.03	0.127
20	QPSK	1	99	20.98	0.125	20.97	0.125	20.93	0.124
20	QPSK	50	0	20.04	0.101	20.09	0.102	20.05	0.101
20	QPSK	50	24	20.03	0.101	20.01	0.100	20.02	0.100
20	QPSK	50	50	19.98	0.100	19.95	0.099	19.92	0.098
20	QPSK	100	0	19.90	0.098	19.92	0.098	19.88	0.097
20	16QAM	1	0	20.01	0.100	20.06	0.101	19.97	0.099
20	16QAM	1	49	19.91	0.098	20.05	0.101	19.88	0.097
20	16QAM	1	99	19.87	0.097	20.03	0.101	19.78	0.095
20	16QAM	50	0	19.87	0.097	19.92	0.098	19.96	0.099
20	16QAM	50	24	19.83	0.096	19.83	0.096	19.87	0.097
20	16QAM	50	50	19.79	0.095	19.77	0.095	19.83	0.096
20	16QAM	100	0	19.73	0.094	19.75	0.094	19.80	0.095
20	64QAM	1	0	20.08	0.102	19.89	0.097	20.10	0.102
20	64QAM	1	49	20.06	0.101	19.88	0.097	20.08	0.102
20	64QAM	1	99	20.00	0.100	19.84	0.096	20.04	0.101
20	64QAM	50	0	19.97	0.099	19.64	0.092	19.67	0.093
20	64QAM	50	24	19.59	0.091	19.62	0.092	19.59	0.091
20	64QAM	50	50	19.53	0.090	19.54	0.090	19.50	0.089
20	64QAM	100	0	19.52	0.090	19.51	0.089	19.49	0.089

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	21.07	0.128	21.13	0.130	21.05	0.127
15	QPSK	1	37	20.96	0.125	21.03	0.127	20.98	0.125
15	QPSK	1	74	20.94	0.124	20.95	0.124	20.91	0.123
15	QPSK	36	0	20.02	0.100	20.06	0.101	20.04	0.101
15	QPSK	36	20	19.99	0.100	19.96	0.099	20.00	0.100
15	QPSK	36	39	19.96	0.099	19.93	0.098	19.90	0.098
15	QPSK	75	0	19.88	0.097	19.86	0.097	19.86	0.097
15	16QAM	1	0	19.96	0.099	20.03	0.101	19.92	0.098
15	16QAM	1	37	19.88	0.097	20.01	0.100	19.85	0.097
15	16QAM	1	74	19.81	0.096	20.00	0.100	19.74	0.094
15	16QAM	36	0	19.86	0.097	19.89	0.097	19.90	0.098
15	16QAM	36	20	19.78	0.095	19.78	0.095	19.83	0.096
15	16QAM	36	39	19.77	0.095	19.73	0.094	19.81	0.096
15	16QAM	75	0	19.68	0.093	19.71	0.094	19.78	0.095
15	64QAM	1	0	20.07	0.102	19.85	0.097	20.07	0.102
15	64QAM	1	37	20.01	0.100	19.87	0.097	20.04	0.101
15	64QAM	1	74	19.99	0.100	19.82	0.096	19.99	0.100
15	64QAM	36	0	19.94	0.099	19.62	0.092	19.65	0.092
15	64QAM	36	20	19.54	0.090	19.56	0.090	19.54	0.090
15	64QAM	36	39	19.48	0.089	19.52	0.090	19.45	0.088
15	64QAM	75	0	19.49	0.089	19.48	0.089	19.44	0.088

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	21.05	0.127	21.09	0.129	21.04	0.127
10	QPSK	1	25	20.97	0.125	20.97	0.125	20.96	0.125
10	QPSK	1	49	20.92	0.124	20.89	0.123	20.87	0.122
10	QPSK	25	0	19.90	0.098	20.03	0.101	19.98	0.100
10	QPSK	25	12	19.99	0.100	19.91	0.098	19.92	0.098
10	QPSK	25	25	19.96	0.099	19.86	0.097	19.85	0.097
10	QPSK	50	0	19.87	0.097	19.86	0.097	19.83	0.096
10	16QAM	1	0	19.94	0.099	19.96	0.099	19.89	0.097
10	16QAM	1	25	19.85	0.097	19.99	0.100	19.84	0.096
10	16QAM	1	49	19.80	0.095	19.96	0.099	19.75	0.094
10	16QAM	25	0	19.82	0.096	19.84	0.096	19.90	0.098
10	16QAM	25	12	19.74	0.094	19.75	0.094	19.82	0.096
10	16QAM	25	25	19.69	0.093	19.69	0.093	19.74	0.094
10	16QAM	50	0	19.66	0.092	19.70	0.093	19.75	0.094
10	64QAM	1	0	20.02	0.100	19.81	0.096	20.05	0.101
10	64QAM	1	25	20.02	0.100	19.81	0.096	19.97	0.099
10	64QAM	1	49	19.90	0.098	19.79	0.095	19.97	0.099
10	64QAM	25	0	19.88	0.097	19.60	0.091	19.58	0.091
10	64QAM	25	12	19.53	0.090	19.54	0.090	19.49	0.089
10	64QAM	25	25	19.43	0.088	19.46	0.088	19.42	0.087
10	64QAM	50	0	19.45	0.088	19.43	0.088	19.39	0.087

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	21.04	0.127	21.06	0.128	21.02	0.126
5	QPSK	1	12	20.93	0.124	20.91	0.123	20.92	0.124
5	QPSK	1	24	20.90	0.123	20.84	0.121	20.83	0.121
5	QPSK	12	0	19.87	0.097	19.98	0.100	19.94	0.099
5	QPSK	12	7	19.85	0.097	19.85	0.097	19.87	0.097
5	QPSK	12	13	19.94	0.099	19.81	0.096	19.83	0.096
5	QPSK	25	0	19.82	0.096	19.81	0.096	19.79	0.095
5	16QAM	1	0	19.89	0.097	19.92	0.098	19.84	0.096
5	16QAM	1	12	19.81	0.096	19.93	0.098	19.81	0.096
5	16QAM	1	24	19.74	0.094	19.92	0.098	19.69	0.093
5	16QAM	12	0	19.80	0.095	19.83	0.096	19.87	0.097
5	16QAM	12	7	19.69	0.093	19.72	0.094	19.80	0.095
5	16QAM	12	13	19.66	0.092	19.67	0.093	19.70	0.093
5	16QAM	25	0	19.62	0.092	19.68	0.093	19.71	0.094
5	64QAM	1	0	19.97	0.099	19.75	0.094	19.99	0.100
5	64QAM	1	12	19.97	0.099	19.76	0.095	19.96	0.099
5	64QAM	1	24	19.88	0.097	19.74	0.094	19.95	0.099
5	64QAM	12	0	19.83	0.096	19.58	0.091	19.52	0.090
5	64QAM	12	7	19.49	0.089	19.50	0.089	19.47	0.089
5	64QAM	12	13	19.41	0.087	19.41	0.087	19.40	0.087
5	64QAM	25	0	19.43	0.088	19.39	0.087	19.37	0.086

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.99	0.126	21.01	0.126	20.97	0.125
3	QPSK	1	8	20.88	0.122	20.86	0.122	20.87	0.122
3	QPSK	1	14	20.87	0.122	20.79	0.120	20.78	0.120
3	QPSK	8	0	19.82	0.096	19.93	0.098	19.89	0.097
3	QPSK	8	4	19.79	0.095	19.80	0.095	19.82	0.096
3	QPSK	8	7	19.75	0.094	19.76	0.095	19.78	0.095
3	QPSK	15	0	19.77	0.095	19.76	0.095	19.74	0.094
3	16QAM	1	0	19.84	0.096	19.87	0.097	19.79	0.095
3	16QAM	1	8	19.76	0.095	19.88	0.097	19.76	0.095
3	16QAM	1	14	19.69	0.093	19.87	0.097	19.64	0.092
3	16QAM	8	0	19.75	0.094	19.78	0.095	19.82	0.096
3	16QAM	8	4	19.64	0.092	19.67	0.093	19.75	0.094
3	16QAM	8	7	19.61	0.091	19.62	0.092	19.65	0.092
3	16QAM	15	0	19.57	0.091	19.63	0.092	19.66	0.092
3	64QAM	1	0	19.92	0.098	19.70	0.093	19.94	0.099
3	64QAM	1	8	19.92	0.098	19.71	0.094	19.91	0.098
3	64QAM	1	14	19.83	0.096	19.69	0.093	19.90	0.098
3	64QAM	8	0	19.78	0.095	19.53	0.090	19.47	0.089
3	64QAM	8	4	19.44	0.088	19.45	0.088	19.42	0.087
3	64QAM	8	7	19.36	0.086	19.36	0.086	19.35	0.086
3	64QAM	15	0	19.38	0.087	19.34	0.086	19.32	0.086

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.97	0.125	20.99	0.126	20.95	0.124
1.4	QPSK	1	3	20.86	0.122	20.84	0.121	20.85	0.122
1.4	QPSK	1	5	20.87	0.122	20.77	0.119	20.76	0.119
1.4	QPSK	3	0	19.82	0.096	19.91	0.098	19.87	0.097
1.4	QPSK	3	1	19.80	0.095	19.78	0.095	19.80	0.095
1.4	QPSK	3	3	19.79	0.095	19.74	0.094	19.76	0.095
1.4	QPSK	6	0	19.75	0.094	19.74	0.094	19.72	0.094
1.4	16QAM	1	0	19.79	0.095	19.82	0.096	19.74	0.094
1.4	16QAM	1	3	19.71	0.094	19.83	0.096	19.71	0.094
1.4	16QAM	1	5	19.64	0.092	19.82	0.096	19.59	0.091
1.4	16QAM	3	0	19.70	0.093	19.73	0.094	19.77	0.095
1.4	16QAM	3	1	19.59	0.091	19.62	0.092	19.70	0.093
1.4	16QAM	3	3	19.56	0.090	19.57	0.091	19.60	0.091
1.4	16QAM	6	0	19.52	0.090	19.58	0.091	19.61	0.091
1.4	64QAM	1	0	19.87	0.097	19.65	0.092	19.89	0.097
1.4	64QAM	1	3	19.87	0.097	19.66	0.092	19.86	0.097
1.4	64QAM	1	5	19.78	0.095	19.64	0.092	19.85	0.097
1.4	64QAM	3	0	19.73	0.094	19.48	0.089	19.42	0.087
1.4	64QAM	3	1	19.39	0.087	19.40	0.087	19.37	0.086
1.4	64QAM	3	3	19.31	0.085	19.31	0.085	19.30	0.085
1.4	64QAM	6	0	19.33	0.086	19.29	0.085	19.27	0.085

LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.92	0.098	20.03	0.101	19.95	0.099
10	QPSK	1	25	19.83	0.096	19.97	0.099	19.89	0.097
10	QPSK	1	49	19.79	0.095	19.95	0.099	19.84	0.096
10	QPSK	25	0	18.79	0.076	18.86	0.077	18.81	0.076
10	QPSK	25	12	18.76	0.075	18.75	0.075	18.79	0.076
10	QPSK	25	25	18.65	0.073	18.71	0.074	18.72	0.074
10	QPSK	50	0	18.61	0.073	18.69	0.074	18.70	0.074
10	16QAM	1	0	18.76	0.075	18.87	0.077	18.85	0.077
10	16QAM	1	25	18.73	0.075	18.78	0.076	18.76	0.075
10	16QAM	1	49	18.64	0.073	18.68	0.074	18.72	0.074
10	16QAM	25	0	18.47	0.070	18.57	0.072	18.51	0.071
10	16QAM	25	12	18.38	0.069	18.46	0.070	18.49	0.071
10	16QAM	25	25	18.27	0.067	18.43	0.070	18.44	0.070
10	16QAM	50	0	18.24	0.067	18.34	0.068	18.33	0.068
10	64QAM	1	0	18.83	0.076	18.61	0.073	18.55	0.072
10	64QAM	1	25	18.75	0.075	18.59	0.072	18.51	0.071
10	64QAM	1	49	18.72	0.074	18.55	0.072	18.42	0.070
10	64QAM	25	0	18.36	0.069	18.39	0.069	18.33	0.068
10	64QAM	25	12	18.28	0.067	18.28	0.067	18.27	0.067
10	64QAM	25	25	18.21	0.066	18.18	0.066	18.21	0.066
10	64QAM	50	0	18.19	0.066	18.08	0.064	18.12	0.065

LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.87	0.097	19.98	0.100	19.90	0.098
5	QPSK	1	12	19.78	0.095	19.92	0.098	19.84	0.096
5	QPSK	1	24	19.74	0.094	19.90	0.098	19.79	0.095
5	QPSK	12	0	18.74	0.075	18.81	0.076	18.76	0.075
5	QPSK	12	7	18.71	0.074	18.70	0.074	18.74	0.075
5	QPSK	12	13	18.60	0.072	18.66	0.073	18.67	0.074
5	QPSK	25	0	18.56	0.072	18.64	0.073	18.65	0.073
5	16QAM	1	0	18.71	0.074	18.82	0.076	18.80	0.076
5	16QAM	1	12	18.68	0.074	18.73	0.075	18.71	0.074
5	16QAM	1	24	18.59	0.072	18.63	0.073	18.67	0.074
5	16QAM	12	0	18.42	0.070	18.52	0.071	18.46	0.070
5	16QAM	12	7	18.33	0.068	18.41	0.069	18.44	0.070
5	16QAM	12	13	18.22	0.066	18.38	0.069	18.39	0.069
5	16QAM	25	0	18.19	0.066	18.29	0.067	18.28	0.067
5	64QAM	1	0	18.78	0.076	18.56	0.072	18.50	0.071
5	64QAM	1	12	18.70	0.074	18.54	0.071	18.46	0.070
5	64QAM	1	24	18.67	0.074	18.50	0.071	18.37	0.069
5	64QAM	12	0	18.31	0.068	18.34	0.068	18.28	0.067
5	64QAM	12	7	18.23	0.067	18.23	0.067	18.22	0.066
5	64QAM	12	13	18.16	0.065	18.13	0.065	18.16	0.065
5	64QAM	25	0	18.14	0.065	18.03	0.064	18.07	0.064

LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.82	0.096	19.93	0.098	19.85	0.097
3	QPSK	1	8	19.73	0.094	19.87	0.097	19.79	0.095
3	QPSK	1	14	19.69	0.093	19.85	0.097	19.74	0.094
3	QPSK	8	0	18.69	0.074	18.76	0.075	18.71	0.074
3	QPSK	8	4	18.66	0.073	18.65	0.073	18.69	0.074
3	QPSK	8	7	18.55	0.072	18.61	0.073	18.62	0.073
3	QPSK	15	0	18.51	0.071	18.59	0.072	18.60	0.072
3	16QAM	1	0	18.66	0.073	18.77	0.075	18.75	0.075
3	16QAM	1	8	18.63	0.073	18.68	0.074	18.66	0.073
3	16QAM	1	14	18.54	0.071	18.58	0.072	18.62	0.073
3	16QAM	8	0	18.37	0.069	18.47	0.070	18.41	0.069
3	16QAM	8	4	18.28	0.067	18.36	0.069	18.39	0.069
3	16QAM	8	7	18.17	0.066	18.33	0.068	18.34	0.068
3	16QAM	15	0	18.14	0.065	18.24	0.067	18.23	0.067
3	64QAM	1	0	18.73	0.075	18.51	0.071	18.45	0.070
3	64QAM	1	8	18.65	0.073	18.49	0.071	18.41	0.069
3	64QAM	1	14	18.62	0.073	18.45	0.070	18.32	0.068
3	64QAM	8	0	18.26	0.067	18.29	0.067	18.23	0.067
3	64QAM	8	4	18.18	0.066	18.18	0.066	18.17	0.066
3	64QAM	8	7	18.11	0.065	18.08	0.064	18.11	0.065
3	64QAM	15	0	18.09	0.064	17.98	0.063	18.02	0.063

LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.77	0.095	19.88	0.097	19.80	0.095
1.4	QPSK	1	3	19.68	0.093	19.82	0.096	19.74	0.094
1.4	QPSK	1	5	19.64	0.092	19.80	0.095	19.69	0.093
1.4	QPSK	3	0	18.64	0.073	18.71	0.074	18.66	0.073
1.4	QPSK	3	1	18.61	0.073	18.60	0.072	18.64	0.073
1.4	QPSK	3	3	18.50	0.071	18.56	0.072	18.57	0.072
1.4	QPSK	6	0	18.46	0.070	18.54	0.071	18.55	0.072
1.4	16QAM	1	0	18.61	0.073	18.72	0.074	18.70	0.074
1.4	16QAM	1	3	18.58	0.072	18.63	0.073	18.61	0.073
1.4	16QAM	1	5	18.49	0.071	18.53	0.071	18.57	0.072
1.4	16QAM	3	0	18.32	0.068	18.42	0.070	18.36	0.069
1.4	16QAM	3	1	18.23	0.067	18.31	0.068	18.34	0.068
1.4	16QAM	3	3	18.12	0.065	18.28	0.067	18.29	0.067
1.4	16QAM	6	0	18.09	0.064	18.19	0.066	18.18	0.066
1.4	64QAM	1	0	18.68	0.074	18.46	0.070	18.40	0.069
1.4	64QAM	1	3	18.60	0.072	18.44	0.070	18.36	0.069
1.4	64QAM	1	5	18.57	0.072	18.40	0.069	18.27	0.067
1.4	64QAM	3	0	18.21	0.066	18.24	0.067	18.18	0.066
1.4	64QAM	3	1	18.13	0.065	18.13	0.065	18.12	0.065
1.4	64QAM	3	3	18.06	0.064	18.03	0.064	18.06	0.064
1.4	64QAM	6	0	18.04	0.064	17.93	0.062	17.97	0.063

LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		23230		/	
Frequency (MHz)				/		782		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	20.46	0.111	/	/
10	QPSK	1	25	/	/	20.36	0.109	/	/
10	QPSK	1	49	/	/	20.25	0.106	/	/
10	QPSK	25	0	/	/	19.43	0.088	/	/
10	QPSK	25	12	/	/	19.32	0.086	/	/
10	QPSK	25	25	/	/	19.28	0.085	/	/
10	QPSK	50	0	/	/	19.17	0.083	/	/
10	16QAM	1	0	/	/	19.17	0.083	/	/
10	16QAM	1	25	/	/	19.14	0.082	/	/
10	16QAM	1	49	/	/	19.12	0.082	/	/
10	16QAM	25	0	/	/	18.70	0.074	/	/
10	16QAM	25	12	/	/	18.63	0.073	/	/
10	16QAM	25	25	/	/	18.56	0.072	/	/
10	16QAM	50	0	/	/	18.48	0.070	/	/
10	64QAM	1	0	/	/	19.12	0.082	/	/
10	64QAM	1	25	/	/	19.06	0.081	/	/
10	64QAM	1	49	/	/	19.02	0.080	/	/
10	64QAM	25	0	/	/	18.78	0.076	/	/
10	64QAM	25	12	/	/	18.75	0.075	/	/
10	64QAM	25	25	/	/	18.68	0.074	/	/
10	64QAM	50	0	/	/	18.63	0.073	/	/

LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23205		23230		23255	
Frequency (MHz)				779.5		782		784.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.27	0.106	20.42	0.110	20.36	0.109
5	QPSK	1	12	20.20	0.105	20.32	0.108	20.26	0.106
5	QPSK	1	24	20.05	0.101	20.18	0.104	20.11	0.103
5	QPSK	12	0	19.26	0.084	19.38	0.087	19.25	0.084
5	QPSK	12	7	19.12	0.082	19.26	0.084	19.19	0.083
5	QPSK	12	13	19.10	0.081	19.24	0.084	19.19	0.083
5	QPSK	25	0	18.97	0.079	19.11	0.081	19.03	0.080
5	16QAM	1	0	18.99	0.079	19.12	0.082	19.06	0.081
5	16QAM	1	12	18.97	0.079	19.10	0.081	19.01	0.080
5	16QAM	1	24	18.89	0.077	19.06	0.081	18.98	0.079
5	16QAM	12	0	18.51	0.071	18.66	0.073	18.59	0.072
5	16QAM	12	7	18.49	0.071	18.56	0.072	18.56	0.072
5	16QAM	12	13	18.38	0.069	18.50	0.071	18.45	0.070
5	16QAM	25	0	18.30	0.068	18.43	0.070	18.34	0.068
5	64QAM	1	0	19.02	0.080	19.08	0.081	19.00	0.079
5	64QAM	1	12	18.84	0.077	19.02	0.080	18.90	0.078
5	64QAM	1	24	18.86	0.077	18.96	0.079	18.91	0.078
5	64QAM	12	0	18.62	0.073	18.73	0.075	18.66	0.073
5	64QAM	12	7	18.57	0.072	18.71	0.074	18.62	0.073
5	64QAM	12	13	18.52	0.071	18.62	0.073	18.55	0.072
5	64QAM	25	0	18.43	0.070	18.58	0.072	18.50	0.071

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	21.61	0.145	21.69	0.148	21.55	0.143
20	QPSK	1	49	21.52	0.142	21.60	0.145	21.50	0.141
20	QPSK	1	99	21.44	0.139	21.53	0.142	21.44	0.139
20	QPSK	50	0	20.56	0.114	20.66	0.116	20.53	0.113
20	QPSK	50	24	20.45	0.111	20.56	0.114	20.49	0.112
20	QPSK	50	50	20.41	0.110	20.50	0.112	20.40	0.110
20	QPSK	100	0	20.36	0.109	20.41	0.110	20.39	0.109
20	16QAM	1	0	20.60	0.115	20.64	0.116	20.62	0.115
20	16QAM	1	49	20.53	0.113	20.61	0.115	20.54	0.113
20	16QAM	1	99	20.44	0.111	20.55	0.114	20.44	0.111
20	16QAM	50	0	20.41	0.110	20.43	0.110	20.41	0.110
20	16QAM	50	24	20.38	0.109	20.42	0.110	20.37	0.109
20	16QAM	50	50	20.30	0.107	20.34	0.108	20.28	0.107
20	16QAM	100	0	20.24	0.106	20.25	0.106	20.20	0.105
20	64QAM	1	0	20.40	0.110	20.55	0.114	20.48	0.112
20	64QAM	1	49	20.37	0.109	20.54	0.113	20.45	0.111
20	64QAM	1	99	20.30	0.107	20.52	0.113	20.39	0.109
20	64QAM	50	0	20.33	0.108	20.37	0.109	20.41	0.110
20	64QAM	50	24	21.61	0.145	21.69	0.148	21.55	0.143
20	64QAM	50	50	21.52	0.142	21.60	0.145	21.50	0.141
20	64QAM	100	0	21.44	0.139	21.53	0.142	21.44	0.139

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	21.57	0.144	21.65	0.146	21.52	0.142
15	QPSK	1	37	21.49	0.141	21.59	0.144	21.46	0.140
15	QPSK	1	74	21.43	0.139	21.49	0.141	21.40	0.138
15	QPSK	36	0	20.51	0.112	20.63	0.116	20.49	0.112
15	QPSK	36	20	20.43	0.110	20.53	0.113	20.47	0.111
15	QPSK	36	39	20.36	0.109	20.47	0.111	20.36	0.109
15	QPSK	75	0	20.34	0.108	20.38	0.109	20.36	0.109
15	16QAM	1	0	20.56	0.114	20.61	0.115	20.58	0.114
15	16QAM	1	37	20.51	0.112	20.60	0.115	20.52	0.113
15	16QAM	1	74	20.39	0.109	20.51	0.112	20.41	0.110
15	16QAM	36	0	20.38	0.109	20.41	0.110	20.39	0.109
15	16QAM	36	20	20.36	0.109	20.37	0.109	20.33	0.108
15	16QAM	36	39	20.27	0.106	20.31	0.107	20.24	0.106
15	16QAM	75	0	20.22	0.105	20.20	0.105	20.18	0.104
15	64QAM	1	0	20.37	0.109	20.50	0.112	20.43	0.110
15	64QAM	1	37	20.32	0.108	20.52	0.113	20.43	0.110
15	64QAM	1	74	20.28	0.107	20.50	0.112	20.36	0.109
15	64QAM	36	0	20.31	0.107	20.35	0.108	20.39	0.109
15	64QAM	36	20	20.26	0.106	20.29	0.107	20.35	0.108
15	64QAM	36	39	20.23	0.105	20.22	0.105	20.33	0.108
15	64QAM	75	0	20.14	0.103	20.21	0.105	20.28	0.107

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	21.51	0.142	21.59	0.144	21.45	0.140
10	QPSK	1	25	21.42	0.139	21.50	0.141	21.40	0.138
10	QPSK	1	49	21.34	0.136	21.43	0.139	21.34	0.136
10	QPSK	25	0	20.46	0.111	20.56	0.114	20.43	0.110
10	QPSK	25	12	20.35	0.108	20.46	0.111	20.39	0.109
10	QPSK	25	25	20.31	0.107	20.40	0.110	20.30	0.107
10	QPSK	50	0	20.26	0.106	20.31	0.107	20.29	0.107
10	16QAM	1	0	20.50	0.112	20.54	0.113	20.52	0.113
10	16QAM	1	25	20.43	0.110	20.51	0.112	20.44	0.111
10	16QAM	1	49	20.34	0.108	20.45	0.111	20.34	0.108
10	16QAM	25	0	20.31	0.107	20.33	0.108	20.31	0.107
10	16QAM	25	12	20.28	0.107	20.32	0.108	20.27	0.106
10	16QAM	25	25	20.20	0.105	20.24	0.106	20.18	0.104
10	16QAM	50	0	20.14	0.103	20.15	0.104	20.10	0.102
10	64QAM	1	0	20.30	0.107	20.45	0.111	20.38	0.109
10	64QAM	1	25	20.27	0.106	20.44	0.111	20.35	0.108
10	64QAM	1	49	20.20	0.105	20.42	0.110	20.29	0.107
10	64QAM	25	0	20.23	0.105	20.27	0.106	20.31	0.107
10	64QAM	25	12	20.21	0.105	20.22	0.105	20.28	0.107
10	64QAM	25	25	20.16	0.104	20.16	0.104	20.25	0.106
10	64QAM	50	0	20.06	0.101	20.14	0.103	20.21	0.105

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	21.46	0.140	21.54	0.143	21.40	0.138
5	QPSK	1	12	21.37	0.137	21.45	0.140	21.35	0.136
5	QPSK	1	24	21.29	0.135	21.38	0.137	21.29	0.135
5	QPSK	12	0	20.41	0.110	20.51	0.112	20.38	0.109
5	QPSK	12	7	20.30	0.107	20.41	0.110	20.34	0.108
5	QPSK	12	13	20.26	0.106	20.35	0.108	20.25	0.106
5	QPSK	25	0	20.21	0.105	20.26	0.106	20.24	0.106
5	16QAM	1	0	20.45	0.111	20.49	0.112	20.47	0.111
5	16QAM	1	12	20.38	0.109	20.46	0.111	20.39	0.109
5	16QAM	1	24	20.29	0.107	20.40	0.110	20.29	0.107
5	16QAM	12	0	20.26	0.106	20.28	0.107	20.26	0.106
5	16QAM	12	7	20.23	0.105	20.27	0.106	20.22	0.105
5	16QAM	12	13	20.15	0.104	20.19	0.104	20.13	0.103
5	16QAM	25	0	20.09	0.102	20.10	0.102	20.05	0.101
5	64QAM	1	0	20.25	0.106	20.40	0.110	20.33	0.108
5	64QAM	1	12	20.22	0.105	20.39	0.109	20.30	0.107
5	64QAM	1	24	20.15	0.104	20.37	0.109	20.24	0.106
5	64QAM	12	0	20.18	0.104	20.22	0.105	20.26	0.106
5	64QAM	12	7	20.16	0.104	20.17	0.104	20.23	0.105
5	64QAM	12	13	20.11	0.103	20.11	0.103	20.20	0.105
5	64QAM	25	0	20.01	0.100	20.09	0.102	20.16	0.104

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	21.41	0.138	21.49	0.141	21.35	0.136
3	QPSK	1	8	21.32	0.136	21.40	0.138	21.30	0.135
3	QPSK	1	14	21.24	0.133	21.33	0.136	21.24	0.133
3	QPSK	8	0	20.36	0.109	20.46	0.111	20.33	0.108
3	QPSK	8	4	20.25	0.106	20.36	0.109	20.29	0.107
3	QPSK	8	7	20.21	0.105	20.30	0.107	20.20	0.105
3	QPSK	15	0	20.16	0.104	20.21	0.105	20.19	0.104
3	16QAM	1	0	20.40	0.110	20.44	0.111	20.42	0.110
3	16QAM	1	8	20.33	0.108	20.41	0.110	20.34	0.108
3	16QAM	1	14	20.24	0.106	20.35	0.108	20.24	0.106
3	16QAM	8	0	20.21	0.105	20.23	0.105	20.21	0.105
3	16QAM	8	4	20.18	0.104	20.22	0.105	20.17	0.104
3	16QAM	8	7	20.10	0.102	20.14	0.103	20.08	0.102
3	16QAM	15	0	20.04	0.101	20.05	0.101	20.00	0.100
3	64QAM	1	0	20.20	0.105	20.35	0.108	20.28	0.107
3	64QAM	1	8	20.17	0.104	20.34	0.108	20.25	0.106
3	64QAM	1	14	20.10	0.102	20.32	0.108	20.19	0.104
3	64QAM	8	0	20.13	0.103	20.17	0.104	20.21	0.105
3	64QAM	8	4	20.11	0.103	20.12	0.103	20.18	0.104
3	64QAM	8	7	20.06	0.101	20.06	0.101	20.15	0.104
3	64QAM	15	0	19.96	0.099	20.04	0.101	20.11	0.103

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	21.36	0.137	21.44	0.139	21.30	0.135
1.4	QPSK	1	3	21.27	0.134	21.35	0.136	21.25	0.133
1.4	QPSK	1	5	21.19	0.132	21.28	0.134	21.19	0.132
1.4	QPSK	3	0	20.41	0.110	20.46	0.111	20.28	0.107
1.4	QPSK	3	1	20.30	0.107	20.31	0.107	20.24	0.106
1.4	QPSK	3	3	20.26	0.106	20.25	0.106	20.20	0.105
1.4	QPSK	6	0	20.11	0.103	20.16	0.104	20.14	0.103
1.4	16QAM	1	0	20.35	0.108	20.39	0.109	20.37	0.109
1.4	16QAM	1	3	20.28	0.107	20.36	0.109	20.29	0.107
1.4	16QAM	1	5	20.19	0.104	20.30	0.107	20.19	0.104
1.4	16QAM	3	0	20.16	0.104	20.18	0.104	20.16	0.104
1.4	16QAM	3	1	20.13	0.103	20.17	0.104	20.12	0.103
1.4	16QAM	3	3	20.05	0.101	20.09	0.102	20.03	0.101
1.4	16QAM	6	0	19.99	0.100	20.00	0.100	19.95	0.099
1.4	64QAM	1	0	20.15	0.104	20.30	0.107	20.23	0.105
1.4	64QAM	1	3	20.12	0.103	20.29	0.107	20.20	0.105
1.4	64QAM	1	5	20.05	0.101	20.27	0.106	20.14	0.103
1.4	64QAM	3	0	20.08	0.102	20.12	0.103	20.16	0.104
1.4	64QAM	3	1	20.06	0.101	20.07	0.102	20.13	0.103
1.4	64QAM	3	3	20.01	0.100	20.01	0.100	20.10	0.102
1.4	64QAM	6	0	19.91	0.098	19.99	0.100	20.06	0.101

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	20.58	0.114	20.64	0.116	20.61	0.115
20	QPSK	1	49	20.45	0.111	20.56	0.114	20.53	0.113
20	QPSK	1	99	17.51	0.056	20.51	0.112	20.50	0.112
20	QPSK	50	0	19.72	0.094	19.73	0.094	19.66	0.092
20	QPSK	50	24	19.56	0.090	19.65	0.092	19.47	0.089
20	QPSK	50	50	19.51	0.089	19.60	0.091	19.59	0.091
20	QPSK	100	0	19.38	0.087	19.45	0.088	19.49	0.089
20	16QAM	1	0	19.58	0.091	19.64	0.092	19.52	0.090
20	16QAM	1	49	19.32	0.086	19.37	0.086	19.33	0.086
20	16QAM	1	99	19.39	0.087	18.63	0.073	18.65	0.073
20	16QAM	50	0	18.68	0.074	18.69	0.074	18.62	0.073
20	16QAM	50	24	18.62	0.073	18.63	0.073	18.61	0.073
20	16QAM	50	50	18.69	0.074	18.58	0.072	18.48	0.070
20	16QAM	100	0	18.61	0.073	18.62	0.073	18.79	0.076
20	64QAM	1	0	18.66	0.073	18.64	0.073	18.62	0.073
20	64QAM	1	49	18.62	0.073	18.66	0.073	18.53	0.071
20	64QAM	1	99	18.59	0.072	18.58	0.072	18.60	0.072
20	64QAM	50	0	17.58	0.057	17.60	0.058	17.61	0.058
20	64QAM	50	24	17.62	0.058	17.49	0.056	17.53	0.057
20	64QAM	50	50	17.49	0.056	17.54	0.057	17.57	0.057
20	64QAM	100	0	17.58	0.057	17.61	0.058	17.61	0.058

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	20.53	0.113	20.59	0.115	20.53	0.113
15	QPSK	1	37	20.48	0.112	20.51	0.112	20.48	0.112
15	QPSK	1	74	20.51	0.112	20.56	0.114	20.45	0.111
15	QPSK	36	0	19.67	0.093	19.68	0.093	19.61	0.091
15	QPSK	36	20	19.59	0.091	19.64	0.092	19.59	0.091
15	QPSK	36	39	19.55	0.090	19.59	0.091	19.51	0.089
15	QPSK	75	0	19.45	0.088	19.63	0.092	19.56	0.090
15	16QAM	1	0	19.53	0.090	19.59	0.091	19.47	0.089
15	16QAM	1	37	19.27	0.085	19.32	0.086	19.38	0.087
15	16QAM	1	74	20.34	0.108	19.55	0.090	19.47	0.089
15	16QAM	36	0	18.73	0.075	18.64	0.073	18.57	0.072
15	16QAM	36	20	18.62	0.073	18.72	0.074	18.62	0.073
15	16QAM	36	39	18.64	0.073	18.63	0.073	18.71	0.074
15	16QAM	75	0	18.56	0.072	18.57	0.072	18.58	0.072
15	64QAM	1	0	18.63	0.073	18.59	0.072	18.67	0.074
15	64QAM	1	37	18.57	0.072	18.62	0.073	18.59	0.072
15	64QAM	1	74	18.64	0.073	18.53	0.071	18.66	0.073
15	64QAM	36	0	17.73	0.059	17.54	0.057	17.67	0.058
15	64QAM	36	20	17.72	0.059	17.66	0.058	17.58	0.057
15	64QAM	36	39	17.64	0.058	17.63	0.058	17.61	0.058
15	64QAM	75	0	17.63	0.058	17.57	0.057	17.54	0.057

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	20.48	0.112	20.54	0.113	20.42	0.110
10	QPSK	1	25	20.42	0.110	20.37	0.109	20.36	0.109
10	QPSK	1	49	20.39	0.109	20.28	0.107	20.30	0.107
10	QPSK	25	0	19.62	0.092	19.63	0.092	19.56	0.090
10	QPSK	25	12	19.57	0.091	19.65	0.092	19.60	0.091
10	QPSK	25	25	19.54	0.090	19.54	0.090	19.51	0.089
10	QPSK	50	0	19.48	0.089	19.42	0.087	19.45	0.088
10	16QAM	1	0	19.48	0.089	19.54	0.090	19.42	0.087
10	16QAM	1	25	19.42	0.087	19.37	0.086	19.46	0.088
10	16QAM	1	49	19.39	0.087	19.45	0.088	19.30	0.085
10	16QAM	25	0	18.69	0.074	18.76	0.075	18.64	0.073
10	16QAM	25	12	18.72	0.074	18.72	0.074	18.69	0.074
10	16QAM	25	25	18.59	0.072	18.58	0.072	18.68	0.074
10	16QAM	50	0	18.61	0.073	18.64	0.073	18.61	0.073
10	64QAM	1	0	18.68	0.074	19.74	0.094	18.72	0.074
10	64QAM	1	25	18.72	0.074	18.67	0.074	18.63	0.073
10	64QAM	1	49	18.69	0.074	18.68	0.074	18.64	0.073
10	64QAM	25	0	17.84	0.061	17.79	0.060	17.72	0.059
10	64QAM	25	12	17.71	0.059	17.72	0.059	17.63	0.058
10	64QAM	25	25	17.69	0.059	17.67	0.058	17.67	0.058
10	64QAM	50	0	17.61	0.058	17.61	0.058	17.62	0.058

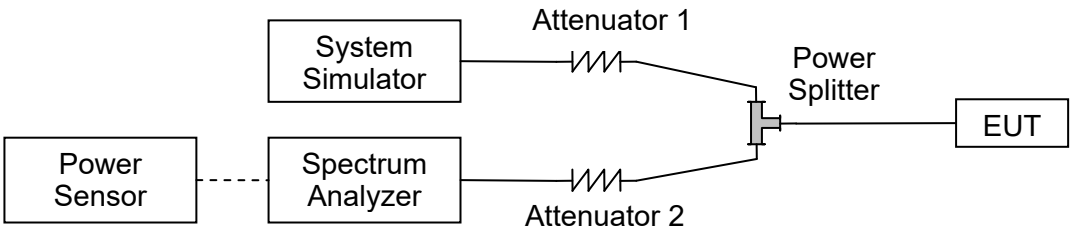
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.46	0.111	20.49	0.112	20.37	0.109
5	QPSK	1	12	20.42	0.110	20.42	0.110	20.38	0.109
5	QPSK	1	24	20.34	0.108	20.33	0.108	20.31	0.107
5	QPSK	12	0	19.57	0.091	19.58	0.091	19.51	0.089
5	QPSK	12	7	19.31	0.085	19.36	0.086	19.32	0.086
5	QPSK	12	13	19.38	0.087	19.38	0.087	19.32	0.086
5	QPSK	25	0	19.44	0.088	19.25	0.084	19.37	0.086
5	16QAM	1	0	19.43	0.088	19.49	0.089	19.37	0.086
5	16QAM	1	12	19.17	0.083	19.22	0.084	19.18	0.083
5	16QAM	1	24	19.04	0.080	19.03	0.080	19.05	0.080
5	16QAM	12	0	18.84	0.077	18.74	0.075	18.67	0.074
5	16QAM	12	7	18.67	0.074	18.62	0.073	18.68	0.074
5	16QAM	12	13	18.74	0.075	18.63	0.073	18.60	0.072
5	16QAM	25	0	18.76	0.075	18.67	0.074	18.64	0.073
5	64QAM	1	0	18.63	0.073	18.36	0.069	18.66	0.073
5	64QAM	1	12	18.62	0.073	18.55	0.072	18.58	0.072
5	64QAM	1	24	18.54	0.071	18.58	0.072	18.61	0.073
5	64QAM	12	0	17.83	0.061	17.73	0.059	17.73	0.059
5	64QAM	12	7	17.71	0.059	17.61	0.058	17.58	0.057
5	64QAM	12	13	17.64	0.058	17.57	0.057	17.50	0.056
5	64QAM	25	0	17.76	0.060	17.67	0.058	17.64	0.058

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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

2.2.4. Test Result

LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.09	1.24
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.09	1.25
3	Low	QPSK	2.70	3.00
	Low	16QAM	2.70	3.00
	Low	64QAM	2.70	2.99
	Mid	QPSK	2.70	2.98
	Mid	16QAM	2.70	3.01
	Mid	64QAM	2.71	3.00
	High	QPSK	2.70	3.00
	High	16QAM	2.70	3.01
	High	64QAM	2.71	3.01
5	Low	QPSK	4.51	4.98
	Low	16QAM	4.50	4.97
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	4.95
	Mid	64QAM	4.50	4.97
	High	QPSK	4.51	5.00
	High	16QAM	4.50	4.96
	High	64QAM	4.50	4.95
10	Low	QPSK	9.02	9.84
	Low	16QAM	8.97	9.74
	Low	64QAM	9.00	9.85
	Mid	QPSK	9.02	9.83
	Mid	16QAM	8.97	9.75
	Mid	64QAM	8.99	9.85
	High	QPSK	9.03	9.83
	High	16QAM	8.97	9.75
	High	64QAM	9.00	9.79

15	Low	QPSK	13.49	14.62
	Low	16QAM	13.47	14.75
	Low	64QAM	13.45	14.66
	Mid	QPSK	13.51	14.65
	Mid	16QAM	13.48	14.62
	Mid	64QAM	13.47	14.75
	High	QPSK	13.51	14.73
	High	16QAM	13.49	14.68
	High	64QAM	13.48	14.82
20	Low	QPSK	17.98	19.50
	Low	16QAM	18.00	19.50
	Low	64QAM	17.97	19.61
	Mid	QPSK	17.99	19.54
	Mid	16QAM	17.99	19.54
	Mid	64QAM	17.98	19.56
	High	QPSK	18.12	24.33
	High	16QAM	18.07	19.63
	High	64QAM	17.99	19.54

LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.23
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.23
	High	64QAM	1.10	1.25
3	Low	QPSK	2.70	2.98
	Low	16QAM	2.71	3.03
	Low	64QAM	2.71	3.00
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.71	3.01
	Mid	64QAM	2.70	3.02
	High	QPSK	2.70	3.00
	High	16QAM	2.70	3.01
	High	64QAM	2.71	3.01
5	Low	QPSK	4.51	4.98
	Low	16QAM	4.51	4.97
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.50	5.02
	Mid	16QAM	4.51	4.99
	Mid	64QAM	4.51	4.97
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.97
	High	64QAM	4.50	4.97
10	Low	QPSK	9.02	9.76
	Low	16QAM	8.97	9.75
	Low	64QAM	8.99	9.84
	Mid	QPSK	9.00	9.83
	Mid	16QAM	8.97	9.76
	Mid	64QAM	8.99	9.86
	High	QPSK	9.01	9.88
	High	16QAM	8.98	9.77
	High	64QAM	8.98	9.83

15	Low	QPSK	13.49	14.58
	Low	16QAM	13.47	14.64
	Low	64QAM	13.48	14.52
	Mid	QPSK	13.51	14.67
	Mid	16QAM	13.49	14.70
	Mid	64QAM	13.49	14.71
	High	QPSK	13.50	14.62
	High	16QAM	13.48	14.64
	High	64QAM	13.50	14.63
20	Low	QPSK	17.93	19.47
	Low	16QAM	17.95	19.49
	Low	64QAM	17.93	19.53
	Mid	QPSK	18.00	19.54
	Mid	16QAM	18.03	19.52
	Mid	64QAM	18.02	19.60
	High	QPSK	18.01	19.61
	High	16QAM	18.02	19.36
	High	64QAM	18.02	19.52

LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.09	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.23
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	3.0
	Low	16QAM	2.70	3.01
	Low	64QAM	2.71	3.01
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.70	3.01
	Mid	64QAM	2.71	3.00
	High	QPSK	2.70	3.00
	High	16QAM	2.70	3.00
	High	64QAM	2.71	3.02
5	Low	QPSK	4.51	5.0
	Low	16QAM	4.51	4.99
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	4.93
	Mid	64QAM	4.50	4.98
	High	QPSK	4.50	4.95
	High	16QAM	4.51	4.97
	High	64QAM	4.49	4.97
10	Low	QPSK	8.98	9.82
	Low	16QAM	9.01	9.84
	Low	64QAM	9.03	9.78
	Mid	QPSK	9.00	9.82
	Mid	16QAM	8.97	9.75
	Mid	64QAM	8.99	9.79
	High	QPSK	8.97	9.76
	High	16QAM	8.96	9.70
	High	64QAM	8.96	9.84

LTE Band 13				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.97
	Low	16QAM	4.50	4.94
	Low	64QAM	4.48	4.97
	Mid	QPSK	4.51	5.00
	Mid	16QAM	4.51	4.98
	Mid	64QAM	4.50	4.97
	High	QPSK	4.51	4.96
	High	16QAM	4.52	4.99
	High	64QAM	4.51	4.98
10	Mid	QPSK	8.98	9.77
	Mid	16QAM	8.96	9.69
	Mid	64QAM	8.97	9.86

LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.09	1.23
	Low	64QAM	1.09	1.23
	Mid	QPSK	1.09	1.23
	Mid	16QAM	1.09	1.22
	Mid	64QAM	1.09	1.23
	High	QPSK	1.09	1.23
	High	16QAM	1.09	1.22
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	3.01
	Low	16QAM	2.71	3.01
	Low	64QAM	2.71	3.02
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.70	3.02
	Mid	64QAM	2.71	3.01
	High	QPSK	2.70	3.00
	High	16QAM	2.71	3.00
	High	64QAM	2.70	3.03
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.51	4.93
	Low	64QAM	4.50	4.91
	Mid	QPSK	4.51	5.01
	Mid	16QAM	4.50	4.86
	Mid	64QAM	4.50	4.95
	High	QPSK	4.49	4.92
	High	16QAM	4.49	4.92
	High	64QAM	4.51	4.90
10	Low	QPSK	8.98	7.75
	Low	16QAM	8.98	9.78
	Low	64QAM	8.97	9.78
	Mid	QPSK	8.99	9.76
	Mid	16QAM	8.99	9.80
	Mid	64QAM	9.00	9.80
	High	QPSK	9.00	9.84
	High	16QAM	8.97	9.81
	High	64QAM	8.99	9.84

15	Low	QPSK	13.44	14.58
	Low	16QAM	13.44	14.66
	Low	64QAM	13.46	14.63
	Mid	QPSK	13.48	14.65
	Mid	16QAM	13.47	14.56
	Mid	64QAM	13.47	14.59
	High	QPSK	13.49	14.65
	High	16QAM	13.50	14.56
	High	64QAM	13.49	14.59
20	Low	QPSK	17.93	19.51
	Low	16QAM	17.90	19.26
	Low	64QAM	17.91	19.49
	Mid	QPSK	18.02	19.42
	Mid	16QAM	18.01	19.48
	Mid	64QAM	18.01	19.49
	High	QPSK	18.02	19.50
	High	16QAM	18.05	19.54
	High	64QAM	18.02	19.74

LTE Band 71				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.02
	Low	16QAM	4.50	4.92
	Low	64QAM	4.51	4.98
	Mid	QPSK	4.50	5.00
	Mid	16QAM	4.51	4.93
	Mid	64QAM	4.50	4.96
	High	QPSK	4.47	4.81
	High	16QAM	4.46	4.73
	High	64QAM	4.46	4.79
10	Low	QPSK	8.99	9.80
	Low	16QAM	8.97	9.74
	Low	64QAM	8.96	9.84
	Mid	QPSK	8.98	9.87
	Mid	16QAM	8.95	9.75
	Mid	64QAM	8.98	9.86
	High	QPSK	8.95	9.43
	High	16QAM	8.92	9.38
	High	64QAM	8.97	9.77
15	Low	QPSK	13.46	14.57
	Low	16QAM	13.46	14.64
	Low	64QAM	13.46	14.63
	Mid	QPSK	13.44	14.71
	Mid	16QAM	13.46	14.76
	Mid	64QAM	13.44	14.62
	High	QPSK	13.47	14.55
	High	16QAM	13.46	14.64
	High	64QAM	13.44	17.30
20	Low	QPSK	17.93	19.47
	Low	16QAM	17.91	19.44
	Low	64QAM	17.93	19.48
	Mid	QPSK	17.94	19.56
	Mid	16QAM	17.95	19.40
	Mid	64QAM	17.96	19.47
	High	QPSK	17.78	18.81
	High	16QAM	17.77	18.81
	High	64QAM	17.74	18.78

Band2 / 1.4MHz / Low CH / QPSK

Band2 / 1.4MHz / Low CH / 16QAM

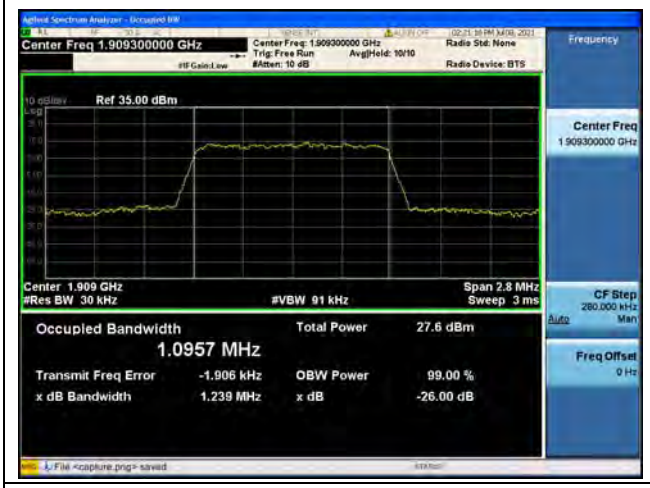
Band2 / 1.4MHz / Low CH / 64QAM

Band2 / 1.4MHz / Mid CH / QPSK

Band2 / 1.4MHz / Mid CH / 16QAM

Band2 / 1.4MHz / Mid CH / 64QAM

Band2 / 1.4MHz / High CH / QPSK



Band2 / 1.4MHz / High CH / 16QAM

Band2 / 1.4MHz / High CH / 64QAM

Band2 / 3MHz / Low CH / QPSK

Band2 / 3MHz / Low CH / 16QAM

Band2 / 3MHz / Low CH / 64QAM

Band2 / 3MHz / Mid CH / QPSK

Band2 / 3MHz / Mid CH / 16QAM

Band2 / 3MHz / Mid CH / 64QAM

Band2 / 3MHz / High CH / QPSK

Band2 / 3MHz / High CH / 16QAM

Band2 / 3MHz / High CH / 64QAM

Band2 / 5MHz / Low CH / QPSK

Band2 / 5MHz / Low CH / 16QAM

Band2 / 5MHz / Low CH / 64QAM

Band2 / 5MHz / Mid CH / QPSK

Band2 / 5MHz / Mid CH / 16QAM

Band2 / 5MHz / Mid CH / 64QAM

Band2 / 5MHz / High CH / QPSK

Band2 / 5MHz / High CH / 16QAM

Band2 / 5MHz / High CH / 64QAM

Band2 / 10MHz / Low CH / QPSK

Band2 / 10MHz / Low CH / 16QAM

Band2 / 10MHz / Low CH / 64QAM

Band2 / 10MHz / Mid CH / QPSK

Band2 / 10MHz / Mid CH / 16QAM

Band2 / 10MHz / Mid CH / 64QAM

Band2 / 10MHz / High CH / QPSK

Band2 / 10MHz / High CH / 16QAM

Band2 / 10MHz / High CH / 64QAM

Band2 / 15MHz / Low CH / QPSK

Band2 / 15MHz / Low CH / 16QAM

Band2 / 15MHz / Low CH / 64QAM

Band2 / 15MHz / Mid CH / QPSK

Band2 / 15MHz / Mid CH / 16QAM

Band2 / 15MHz / Mid CH / 64QAM

Band2 / 15MHz / High CH / QPSK

Band2 / 15MHz / High CH / 16QAM

Band2 / 15MHz / High CH / 64QAM

Band2 / 20MHz / Low CH / QPSK

Band2 / 20MHz / Low CH / 16QAM

Band2 / 20MHz / Low CH / 64QAM

Band2 / 20MHz / Mid CH / QPSK

Band2 / 20MHz / Mid CH / 16QAM

Band2 / 20MHz / Mid CH / 64QAM

Band2 / 20MHz / High CH / QPSK

Band2 / 20MHz / High CH / 16QAM

Band2 / 20MHz / High CH / 64QAM

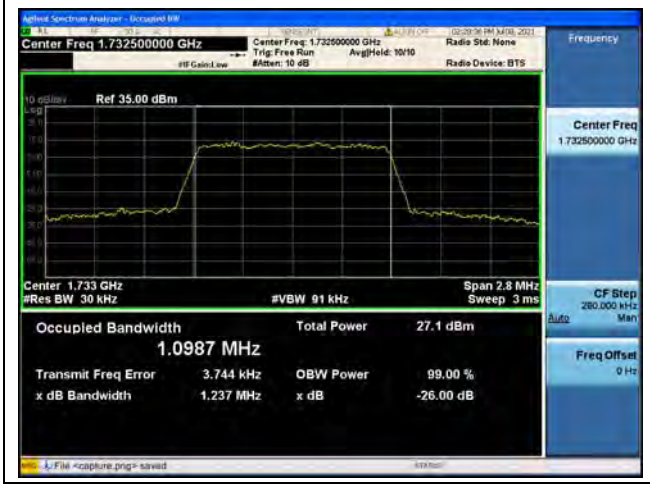
Band4 / 1.4MHz / Low CH / QPSK

Band4 / 1.4MHz / Low CH / 16QAM

Band4 / 1.4MHz / Low CH / 64QAM

Band4 / 1.4MHz / Mid CH / QPSK

Band4 / 1.4MHz / Mid CH / 16QAM



Band4 / 1.4MHz / Mid CH / 64QAM

Band4 / 1.4MHz / High CH / QPSK

Band4 / 1.4MHz / High CH / 16QAM

Band4 / 1.4MHz / High CH / 64QAM

Band4 / 3MHz / Low CH / QPSK

Band4 / 3MHz / Low CH / 16QAM

Band4 / 3MHz / Low CH / 64QAM

Band4 / 3MHz / Mid CH / QPSK

Band4 / 3MHz / Mid CH / 16QAM

Band4 / 3MHz / Mid CH / 64QAM

Band4 / 3MHz / High CH / QPSK

Band4 / 3MHz / High CH / 16QAM

Band4 / 3MHz / High CH / 64QAM

Band4 / 5MHz / Low CH / QPSK

Band4 / 5MHz / Low CH / 16QAM

Band4 / 5MHz / Low CH / 64QAM

Band4 / 5MHz / Mid CH / QPSK

Band4 / 5MHz / Mid CH / 16QAM

Band4 / 5MHz / Mid CH / 64QAM

Band4 / 5MHz / High CH / QPSK

Band4 / 5MHz / High CH / 16QAM

Band4 / 5MHz / High CH / 64QAM

Band4 / 10MHz / Low CH / QPSK

Band4 / 10MHz / Low CH / 16QAM

Band4 / 10MHz / Low CH / 64QAM

Band4 / 10MHz / Mid CH / QPSK

Band4 / 10MHz / Mid CH / 16QAM

Band4 / 10MHz / Mid CH / 64QAM

Band4 / 10MHz / High CH / QPSK

Band4 / 10MHz / High CH / 16QAM

Band4 / 10MHz / High CH / 64QAM

Band4 / 15MHz / Low CH / QPSK

Band4 / 15MHz / Low CH / 16QAM

Band4 / 15MHz / Low CH / 64QAM

Band4 / 15MHz / Mid CH / QPSK

Band4 / 15MHz / Mid CH / 16QAM

Band4 / 15MHz / Mid CH / 64QAM

Band4 / 15MHz / High CH / QPSK

Band4 / 15MHz / High CH / 16QAM

Band4 / 15MHz / High CH / 64QAM

Band4 / 20MHz / Low CH / QPSK

Band4 / 20MHz / Low CH / 16QAM

Band4 / 20MHz / Low CH / 64QAM

Band4 / 20MHz / Mid CH / QPSK

Band4 / 20MHz / Mid CH / 16QAM

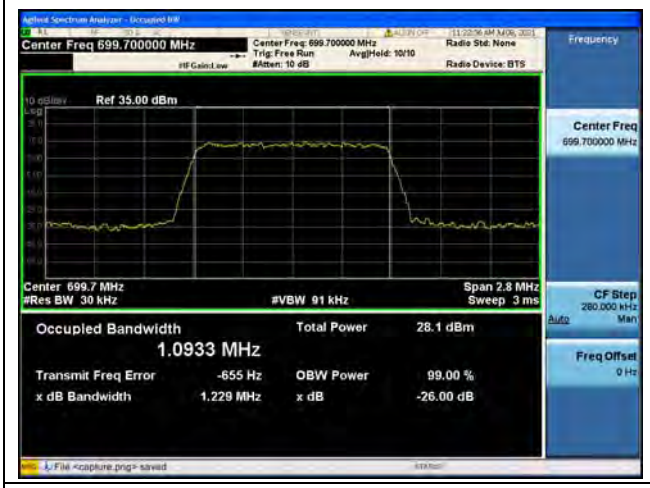
Band4 / 20MHz / Mid CH / 64QAM

Band4 / 20MHz / High CH / QPSK

Band4 / 20MHz / High CH / 16QAM

Band4 / 20MHz / High CH / 64QAM

Band12 / 1.4MHz / Low CH / QPSK



Band12 / 1.4MHz / Low CH / 16QAM

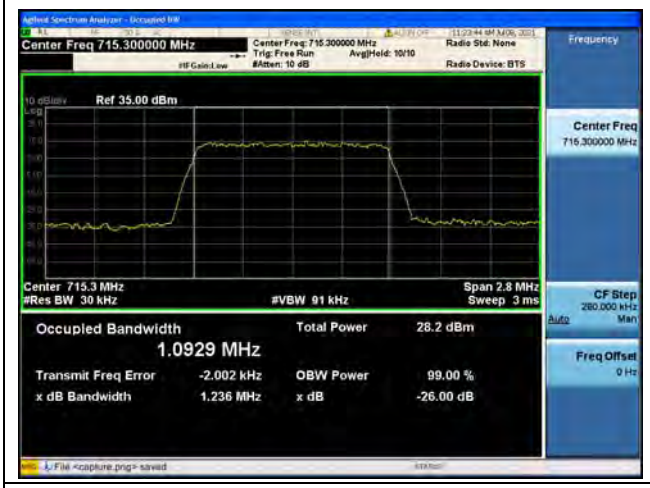
Band12 / 1.4MHz / Low CH / 64QAM

Band12 / 1.4MHz / Mid CH / QPSK

Band12 / 1.4MHz / Mid CH / 16QAM

Band12 / 1.4MHz / Mid CH / 64QAM

Band12 / 1.4MHz / High CH / QPSK



Band12 / 1.4MHz / High CH / 16QAM

Band12 / 1.4MHz / High CH / 64QAM

Band12 / 3MHz / Low CH / QPSK

Band12 / 3MHz / Low CH / 16QAM

Band12 / 3MHz / Low CH / 64QAM

Band12 / 3MHz / Mid CH / QPSK

Band12 / 3MHz / Mid CH / 16QAM

Band12 / 3MHz / Mid CH / 64QAM

Band12 / 3MHz / High CH / QPSK

Band12 / 3MHz / High CH / 16QAM

Band12 / 3MHz / High CH / 64QAM

Band12 / 5MHz / Low CH / QPSK

Band12 / 5MHz / Low CH / 16QAM

Band12 / 5MHz / Low CH / 64QAM

Band12 / 5MHz / Mid CH / QPSK

Band12 / 5MHz / Mid CH / 16QAM

Band12 / 5MHz / Mid CH / 64QAM

Band12 / 5MHz / High CH / QPSK

Band12 / 5MHz / High CH / 16QAM

Band12 / 5MHz / High CH / 64QAM

Band12 / 10MHz / Low CH / QPSK

Band12 / 10MHz / Low CH / 16QAM

Band12 / 10MHz / Low CH / 64QAM

Band12 / 10MHz / Mid CH / QPSK

Band12 / 10MHz / Mid CH / 16QAM

Band12 / 10MHz / Mid CH / 64QAM

Band12 / 10MHz / High CH / QPSK

Band12 / 10MHz / High CH / 16QAM

Band12 / 10MHz / High CH / 64QAM

Band13 / 5MHz / Low CH / QPSK

Band13 / 5MHz / Low CH / 16QAM

Band13 / 5MHz / Low CH / 64QAM

Band13 / 5MHz / Mid CH / QPSK

Band13 / 5MHz / Mid CH / 16QAM

Band13 / 5MHz / Mid CH / 64QAM

Band13 / 5MHz / High CH / QPSK

Band13 / 5MHz / High CH / 16QAM

Band13 / 5MHz / High CH / 64QAM

Band13 / 10MHz / Mid CH / QPSK

Band13 / 10MHz / Mid CH / 16QAM

Band13 / 10MHz / Mid CH / 64QAM

Band66 / 1.4MHz / Low CH / QPSK

Band66 / 1.4MHz / Low CH / 16QAM

Band66 / 1.4MHz / Low CH / 64QAM

Band66 / 1.4MHz / Mid CH / QPSK

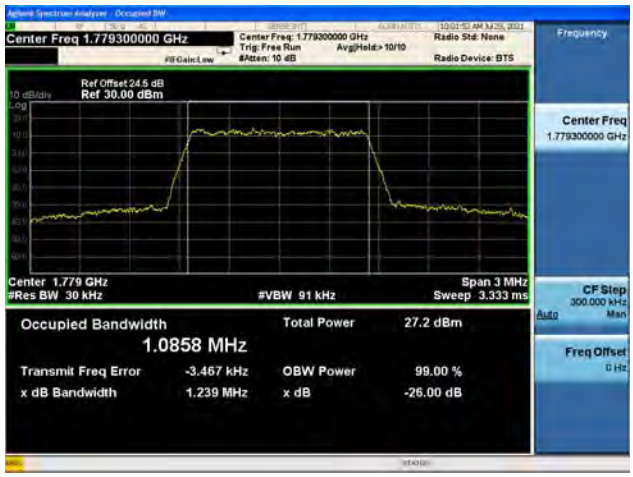
Band66 / 1.4MHz / Mid CH / 16QAM

Band66 / 1.4MHz / Mid CH / 64QAM

Band66 / 1.4MHz / High CH / QPSK

Band66 / 1.4MHz / High CH / 16QAM

Band66 / 1.4MHz / High CH / 64QAM

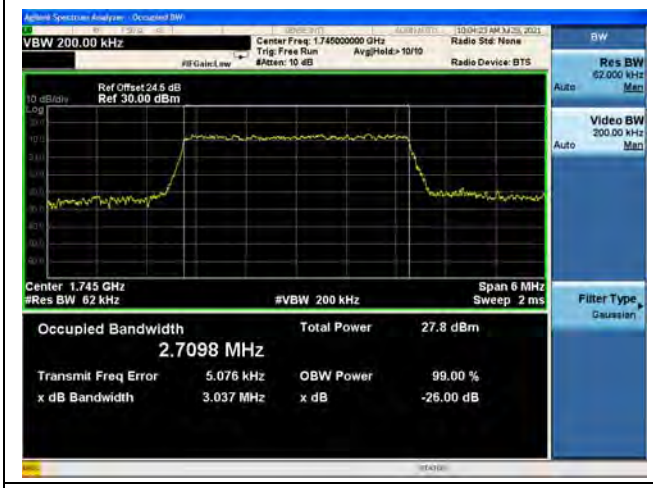


Band66 / 3MHz / Low CH / QPSK

Band66 / 3MHz / Low CH / 16QAM

Band66 / 3MHz / Low CH / 64QAM

Band66 / 3MHz / Mid CH / QPSK



Band66 / 3MHz / Mid CH / 16QAM

Band66 / 3MHz / Mid CH / 64QAM

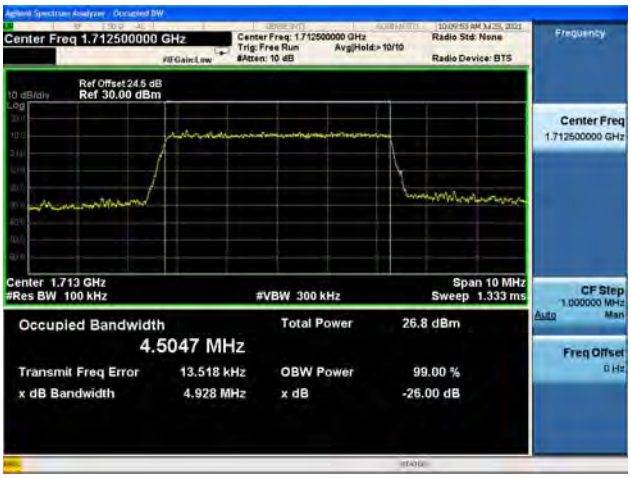
Band66 / 3MHz / High CH / QPSK

Band66 / 3MHz / High CH / 16QAM

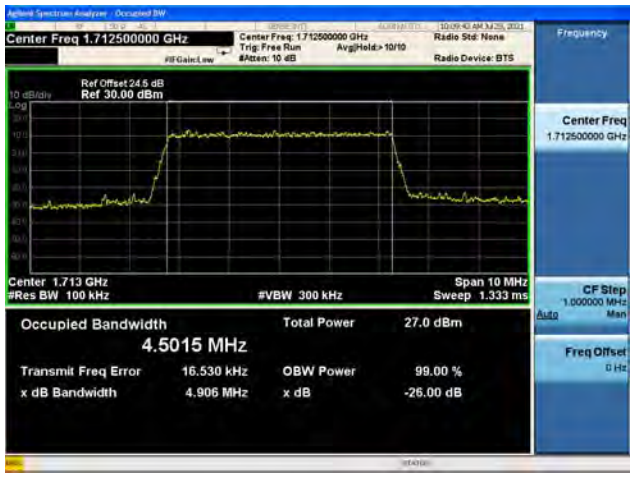
Band66 / 3MHz / High CH / 64QAM

Band66 / 5MHz / Low CH / QPSK

Band66 / 5MHz / Low CH / 16QAM



Band66 / 5MHz / Low CH / 64QAM



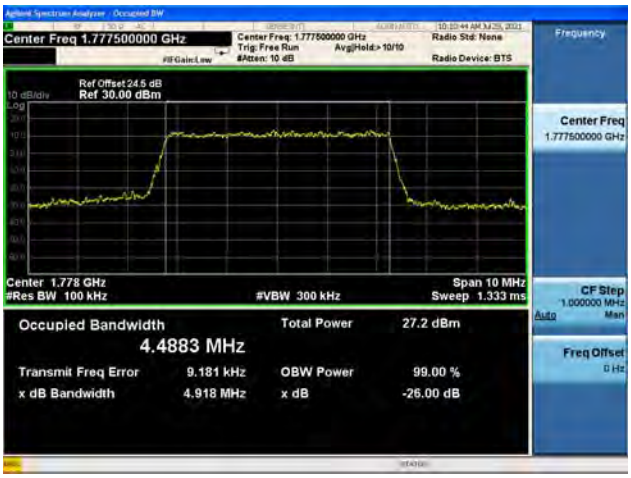
Band66 / 5MHz / Mid CH / QPSK

Band66 / 5MHz / Mid CH / 16QAM

Band66 / 5MHz / Mid CH / 64QAM

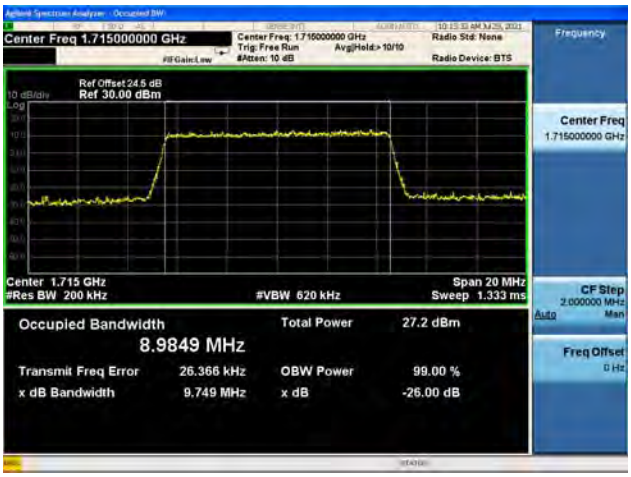
Band66 / 5MHz / High CH / QPSK

Band66 / 5MHz / High CH / 16QAM

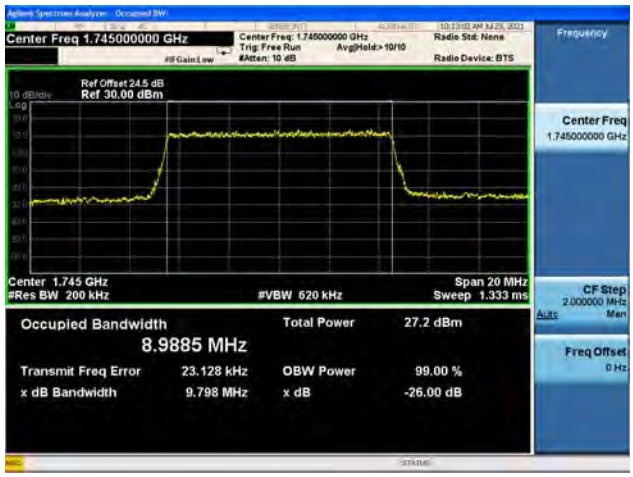


Band66 / 5MHz / High CH / 64QAM

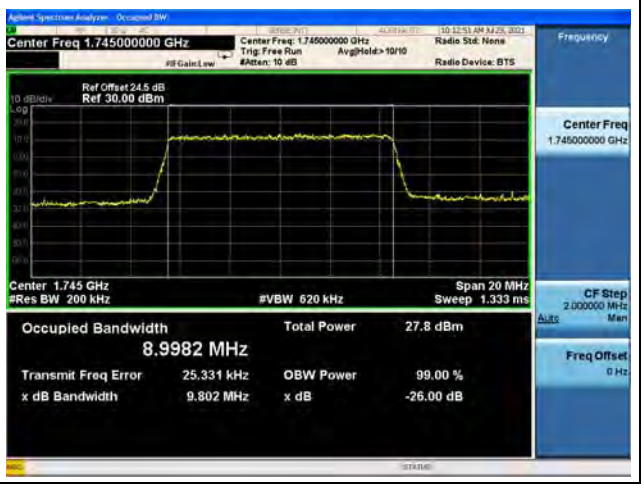
Band66 / 10MHz / Low CH / QPSK



Band66 / 10MHz / Low CH / 16QAM

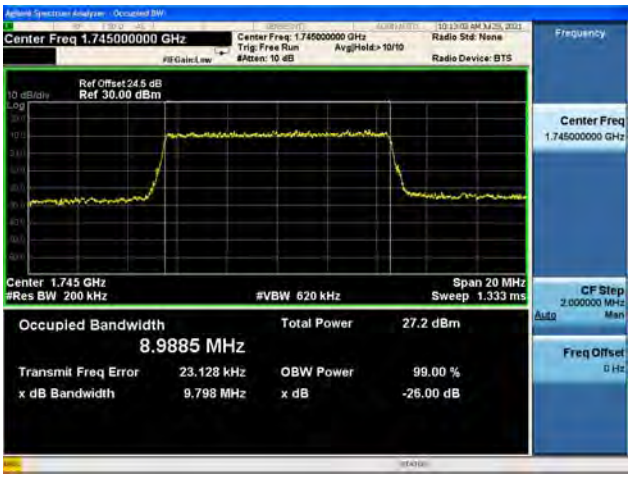


Band66 / 10MHz / Low CH / 64QAM



Band66 / 10MHz / Mid CH / QPSK

Band66 / 10MHz / Mid CH / 16QAM



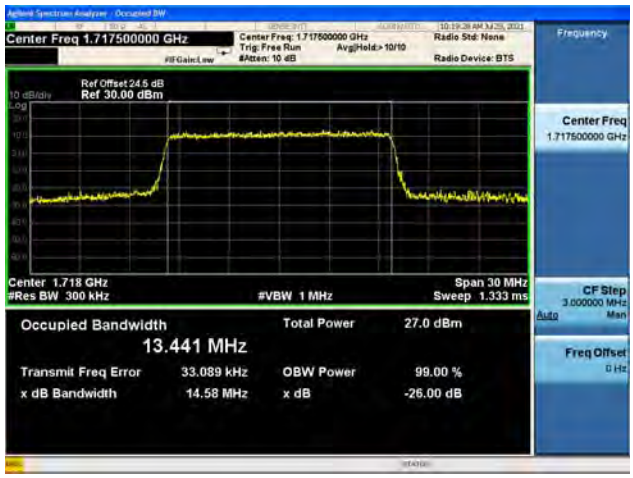
Band66 / 10MHz / Mid CH / 64QAM

Band66 / 10MHz / High CH / QPSK

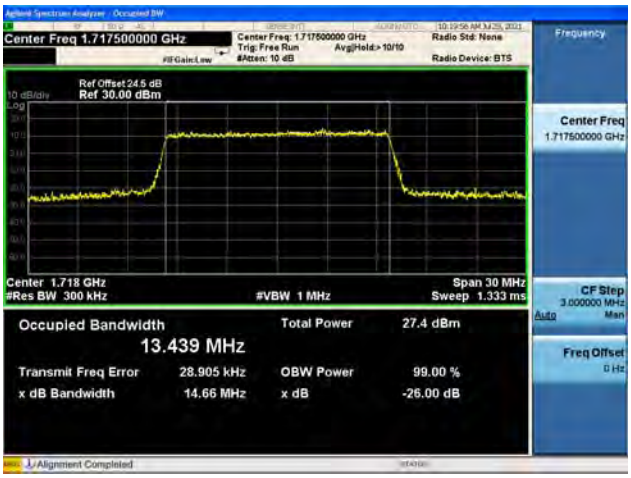
Band66 / 10MHz / High CH / 16QAM

Band66 / 10MHz / High CH / 64QAM

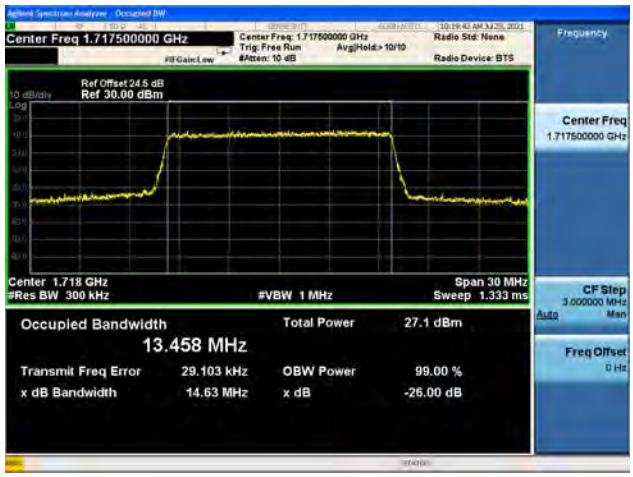
Band66 / 15MHz / Low CH / QPSK



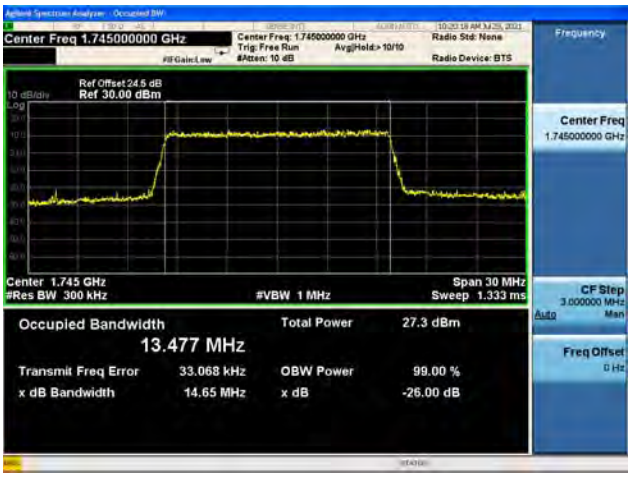
Band66 / 15MHz / Low CH / 16QAM



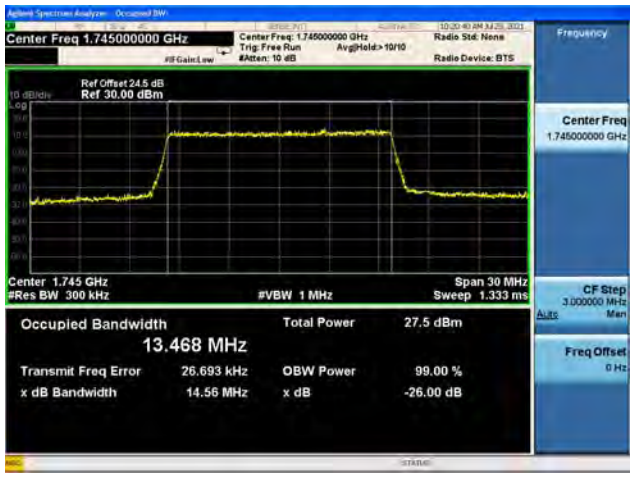
Band66 / 15MHz / Low CH / 64QAM



Band66 / 15MHz / Mid CH / QPSK



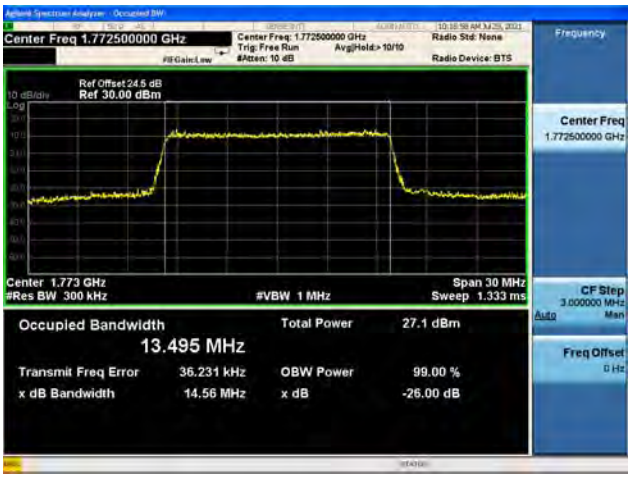
Band66 / 15MHz / Mid CH / 16QAM



Band66 / 15MHz / Mid CH / 64QAM

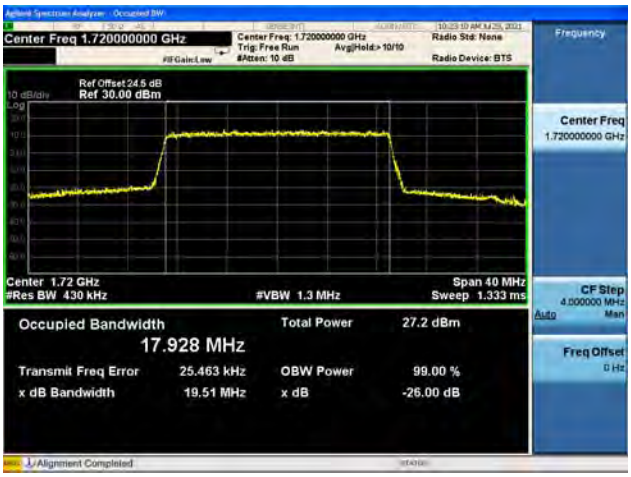
Band66 / 15MHz / High CH / QPSK

Band66 / 15MHz / High CH / 16QAM

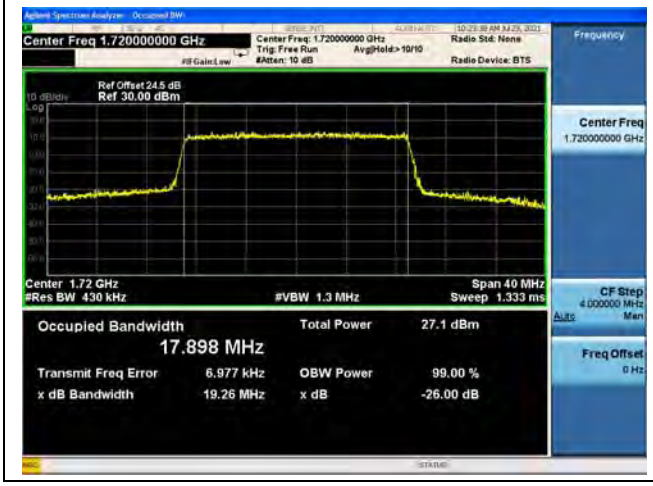


Band66 / 15MHz / High CH / 64QAM

Band66 / 20MHz / Low CH / QPSK

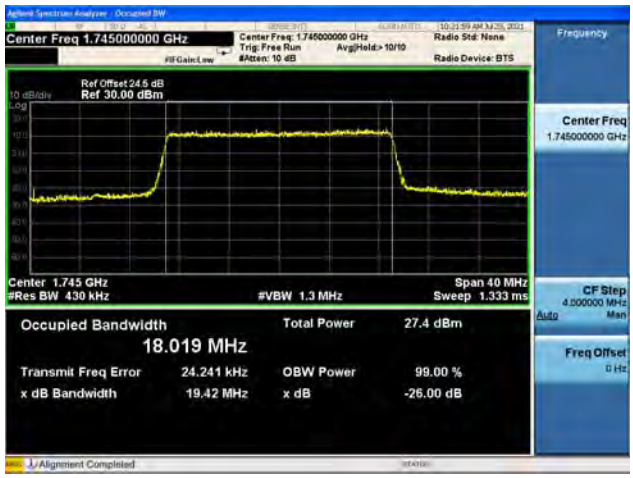


Band66 / 20MHz / Low CH / 16QAM

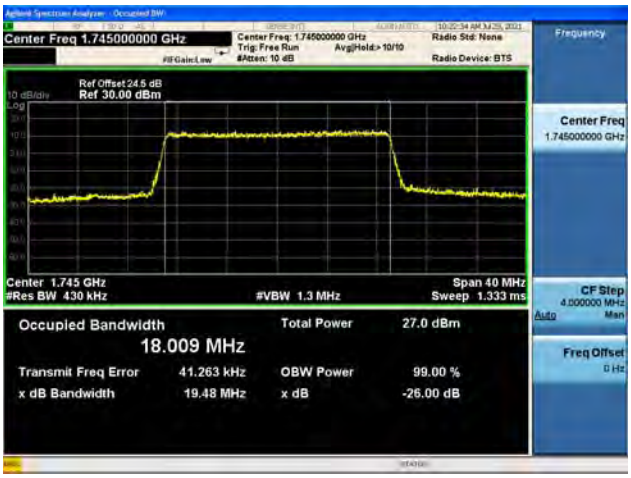


Band66 / 20MHz / Low CH / 64QAM

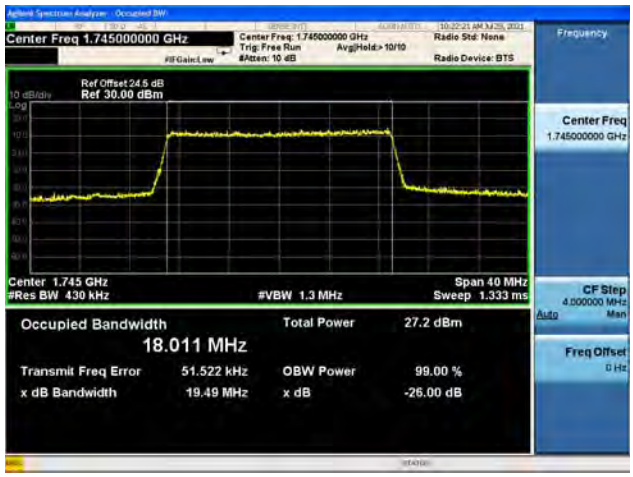
Band66 / 20MHz / Mid CH / QPSK



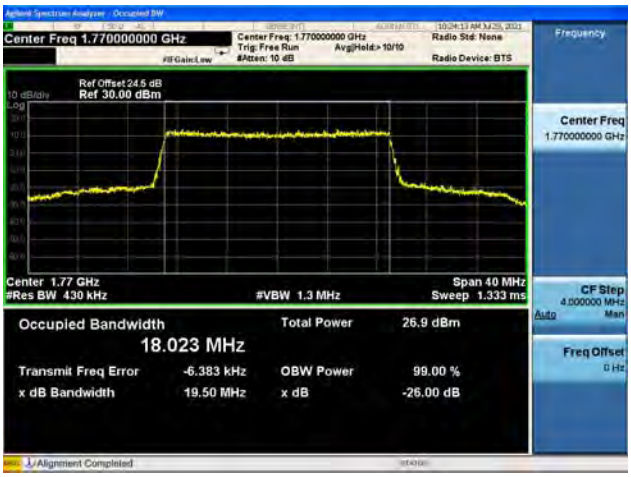
Band66 / 20MHz / Mid CH / 16QAM



Band66 / 20MHz / Mid CH / 64QAM



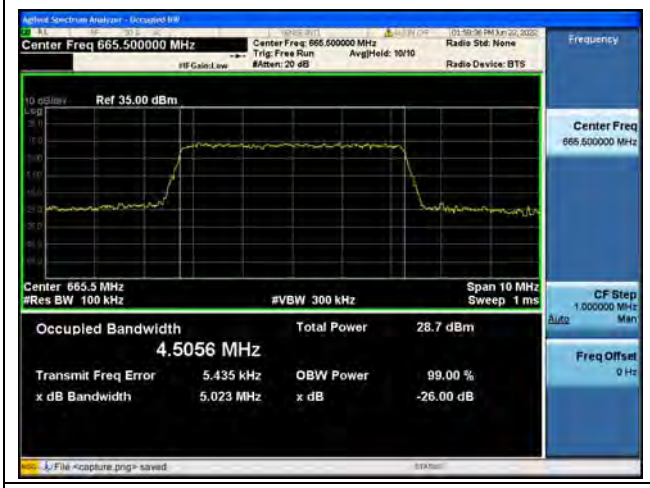
Band66 / 20MHz / High CH / QPSK



Band66 / 20MHz / High CH / 16QAM

Band66 / 20MHz / High CH / 64QAM

B71 / 5MHz / QPSK/ Low CH



B71 / 5MHz / 16QAM/ Low CH

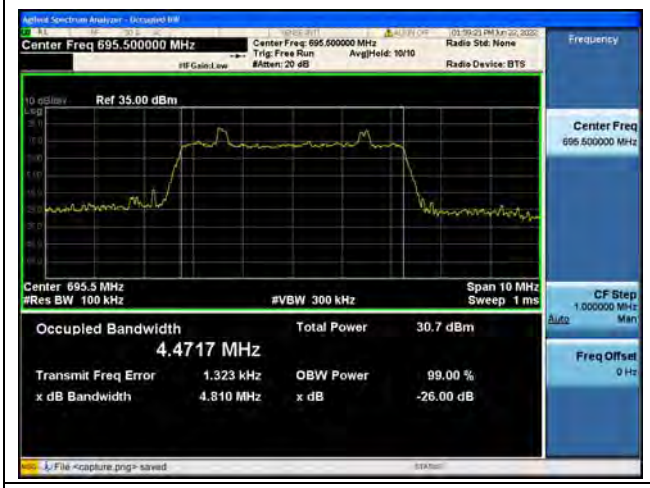
B71 / 5MHz / 64QAM/ Low CH

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

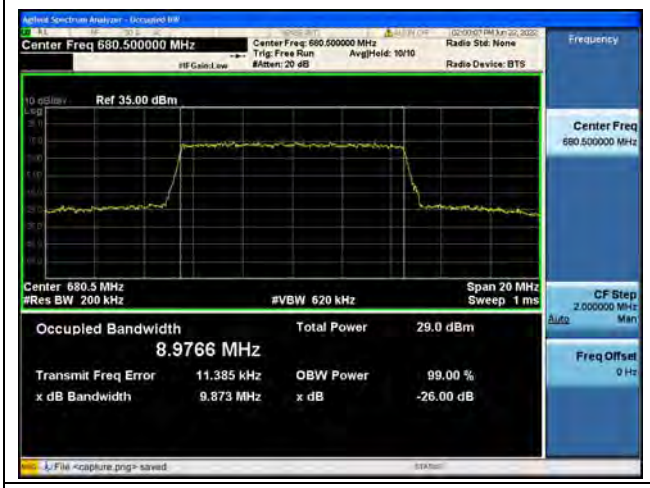
B71 / 5MHz / 64QAM/ High CH

B71 / 10MHz / QPSK/ Low CH

B71 / 10MHz / 16QAM/ Low CH

B71 / 10MHz / 64QAM/ Low CH

B71 / 10MHz / QPSK/ Mid CH

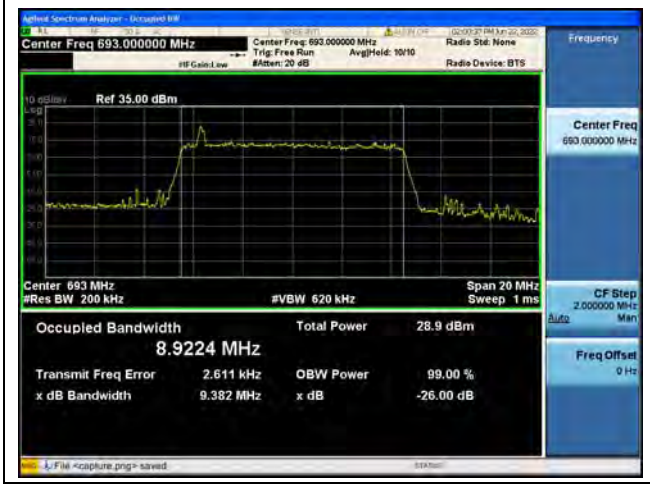


B71 / 10MHz / 16QAM/ Mid CH

B71 / 10MHz / 64QAM/ Mid CH

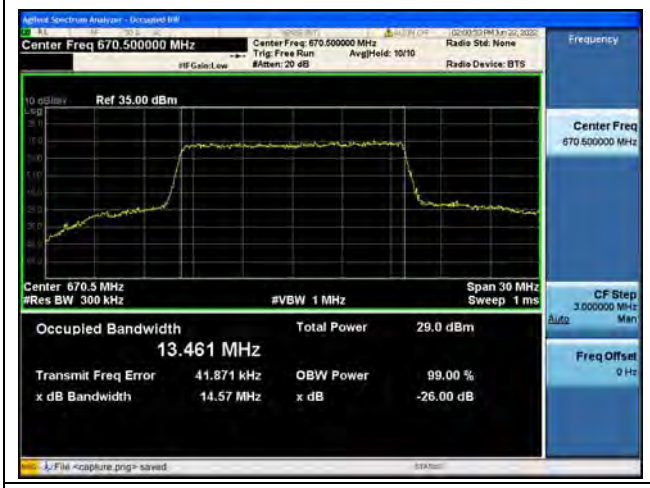
B71 / 10MHz / QPSK/ High CH

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

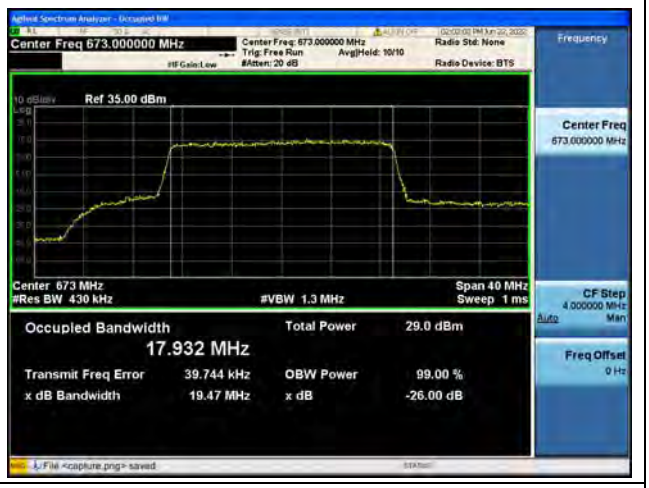
B71 / 15MHz / 64QAM/ Mid CH

B71 / 15MHz / QPSK/ High CH

B71 / 15MHz / 16QAM/ High CH

B71 / 15MHz / 64QAM/ High CH

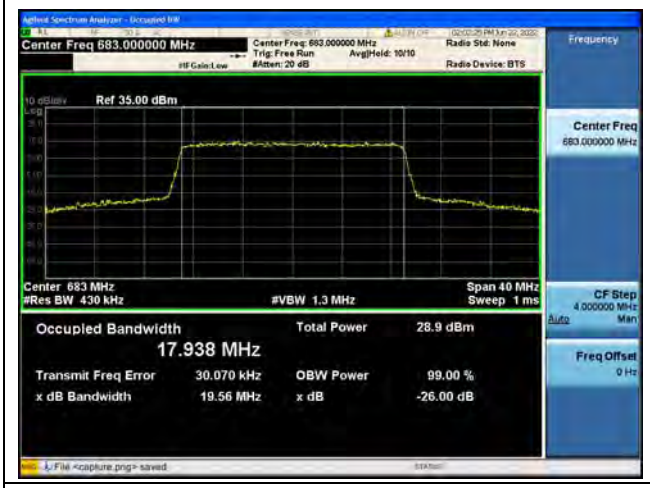
B71 / 20MHz / QPSK/ Low CH



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

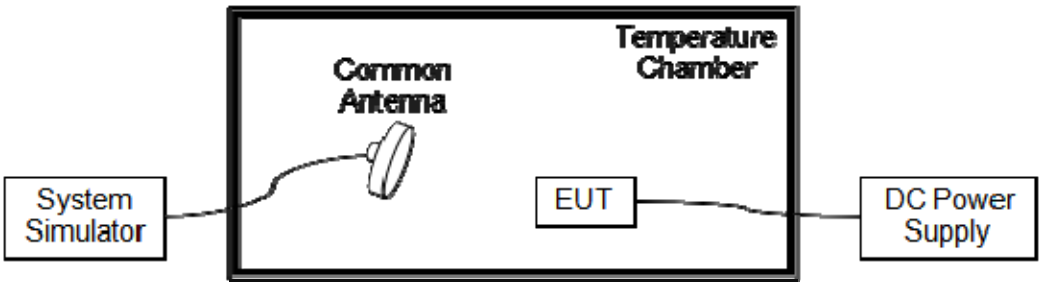
According to FCC section 2.1055, 24.235, 27.54, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

(a) The temperature is varied from -30°C to +50°C at intervals of not more than 10°C.

(b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

Note: The operating temperature of EUT is from -10°C to 55°C, which are specified by the applicant.

2.3.2. Test Description



The EUT which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power. A call is established between the EUT and the SS via a Common Antenna.

2.3.3. Test Procedure

KDB 971168 D01v03 Section 9.0 and ANSI/TIA-603-E-2016.

2.3.4. Test Result

The nominal, highest and lowest extreme voltages are separately 3.85V, 4.40V and 3.55V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 2, QPSK, Channel 18900, Frequency 1880.0MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev.(Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	52	0.028	PASS
Normal		-10	57	0.030	
Normal		0	18	0.010	
Normal		+10	24	0.013	
Normal		+20	-26	-0.014	
Normal		+30	-34	-0.018	
Normal		+40	-30	-0.016	
Normal		+50	43	0.023	
Normal		+55	45	0.024	
High	4.40	+20	26	0.014	
BATT.ENDPOINT	3.55	+20	13	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	3.85	+20(Ref)	-48	-0.028	PASS
Normal		-10	-13	-0.008	
Normal		0	23	0.013	
Normal		+10	-33	-0.019	
Normal		+20	-47	-0.027	
Normal		+30	49	0.028	
Normal		+40	-47	-0.027	
Normal		+50	44	0.025	
Normal		+55	31	0.018	
High	4.40	+20	42	0.024	
BATT.ENDPOINT	3.55	+20	26	0.015	

LTE Band 12, QPSK, Channel 23095, Frequency 707.5MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev.(Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	-14	-0.020	PASS
Normal		-10	26	0.037	
Normal		0	41	0.058	
Normal		+10	41	0.058	
Normal		+20	-24	-0.034	
Normal		+30	43	0.061	
Normal		+40	14	0.020	
Normal		+50	-39	-0.055	
Normal		+55	15	0.021	
High	4.40	+20	43	0.061	
BATT.ENDPOINT	3.55	+20	-52	-0.073	

LTE Band 13, QPSK, Channel 23230, Frequency 782MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev.(Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	27	0.035	PASS
Normal		-10	19	0.024	
Normal		0	22	0.028	
Normal		+10	48	0.061	
Normal		+20	24	0.031	
Normal		+30	-57	-0.073	
Normal		+40	-44	-0.056	
Normal		+50	53	0.068	
Normal		+55	51	0.065	
High	4.40	+20	-40	-0.051	
BATT.ENDPOINT	3.55	+20	43	0.055	

LTE Band 66, QPSK, Channel 132322, Frequency 1745MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev.(Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	16	0.009	PASS
Normal		-10	48	0.028	
Normal		0	-37	-0.021	
Normal		+10	-47	-0.027	
Normal		+20	22	0.013	
Normal		+30	20	0.011	
Normal		+40	28	0.016	
Normal		+50	-52	-0.030	
Normal		+55	-50	-0.029	
High	4.40	+20	18	0.010	
BATT.ENDPOINT	3.55	+20	-59	-0.034	

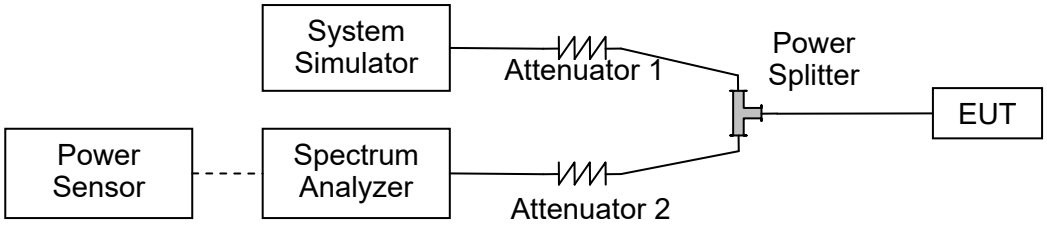
LTE Band 71, QPSK, Channel 133322, Frequency 683.0MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev.(Hz)**	**Deviation (ppm)**	**Result**
Normal	3.85	+20(Ref)	19	0.028	PASS
Normal		-10	-25	-0.037	
Normal		0	-42	-0.061	
Normal		+10	36	0.053	
Normal		+20	21	0.031	
Normal		+30	-55	-0.081	
Normal		+40	40	0.059	
Normal		+50	21	0.031	
Normal		+55	40	0.059	
High	4.40	+20	-55	-0.081	
BATT.ENDPOINT	3.55	+20	-43	-0.063	

2.4. Peak to Average Radio

2.4.1. Requirement

According to FCC section 24.232(d), 27.50(d) and 27.50(j)(4), the peak to average ratio (PAR) of the transmission may not exceed 13dB.

2.4.2. Test Description



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

2.4.3. Test Procedure

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

2.4.4. Test Result

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

LTE Band 2					
BW(MHz)	**Channel Level**	**Modulation**	**PAR Radio(dB)**	**Limit(dB)**	**Verdict**
1.4	Low	QPSK	5.62	<=13	PASS
	Low	16QAM	6.35	<=13	PASS
	Low	64QAM	6.30	<=13	PASS
	Mid	QPSK	5.78	<=13	PASS
	Mid	16QAM	6.35	<=13	PASS
	Mid	64QAM	6.28	<=13	PASS
	High	QPSK	4.93	<=13	PASS
	High	16QAM	5.88	<=13	PASS
	High	64QAM	6.01	<=13	PASS
3	Low	QPSK	5.54	<=13	PASS
	Low	16QAM	6.32	<=13	PASS
	Low	64QAM	6.22	<=13	PASS
	Mid	QPSK	5.53	<=13	PASS
	Mid	16QAM	6.28	<=13	PASS
	Mid	64QAM	6.21	<=13	PASS
	High	QPSK	5.14	<=13	PASS
	High	16QAM	6.06	<=13	PASS
	High	64QAM	6.05	<=13	PASS
5	Low	QPSK	5.50	<=13	PASS
	Low	16QAM	6.21	<=13	PASS
	Low	64QAM	6.2	<=13	PASS
	Mid	QPSK	5.49	<=13	PASS
	Mid	16QAM	6.19	<=13	PASS
	Mid	64QAM	6.17	<=13	PASS
	High	QPSK	5.18	<=13	PASS
	High	16QAM	6.04	<=13	PASS
	High	64QAM	6.06	<=13	PASS
10	Low	QPSK	5.45	<=13	PASS
	Low	16QAM	6.21	<=13	PASS
	Low	64QAM	6.20	<=13	PASS
	Mid	QPSK	5.50	<=13	PASS
	Mid	16QAM	6.21	<=13	PASS
	Mid	64QAM	6.25	<=13	PASS
	High	QPSK	5.14	<=13	PASS
	High	16QAM	6.00	<=13	PASS
	High	64QAM	6.03	<=13	PASS

15	Low	QPSK	5.45	<=13	PASS
	Low	16QAM	6.31	<=13	PASS
	Low	64QAM	6.21	<=13	PASS
	Mid	QPSK	5.54	<=13	PASS
	Mid	16QAM	6.30	<=13	PASS
	Mid	64QAM	6.28	<=13	PASS
	High	QPSK	5.14	<=13	PASS
	High	16QAM	6.07	<=13	PASS
	High	64QAM	6.05	<=13	PASS
20	Low	QPSK	5.35	<=13	PASS
	Low	16QAM	6.23	<=13	PASS
	Low	64QAM	6.18	<=13	PASS
	Mid	QPSK	5.39	<=13	PASS
	Mid	16QAM	6.19	<=13	PASS
	Mid	64QAM	6.20	<=13	PASS
	High	QPSK	5.56	<=13	PASS
	High	16QAM	6.11	<=13	PASS
	High	64QAM	6.10	<=13	PASS

LTE Band 4					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.17	<=13	PASS
	Low	16QAM	6.09	<=13	PASS
	Low	64QAM	6.10	<=13	PASS
	Mid	QPSK	5.73	<=13	PASS
	Mid	16QAM	6.27	<=13	PASS
	Mid	64QAM	6.19	<=13	PASS
	High	QPSK	5.63	<=13	PASS
	High	16QAM	6.19	<=13	PASS
	High	64QAM	6.06	<=13	PASS
3	Low	QPSK	5.32	<=13	PASS
	Low	16QAM	6.20	<=13	PASS
	Low	64QAM	6.14	<=13	PASS
	Mid	QPSK	5.42	<=13	PASS
	Mid	16QAM	6.25	<=13	PASS
	Mid	64QAM	6.16	<=13	PASS
	High	QPSK	5.37	<=13	PASS
	High	16QAM	6.12	<=13	PASS
	High	64QAM	6.02	<=13	PASS
5	Low	QPSK	5.39	<=13	PASS
	Low	16QAM	6.14	<=13	PASS
	Low	64QAM	6.11	<=13	PASS
	Mid	QPSK	5.48	<=13	PASS
	Mid	16QAM	6.13	<=13	PASS
	Mid	64QAM	6.13	<=13	PASS
	High	QPSK	5.41	<=13	PASS
	High	16QAM	5.96	<=13	PASS
	High	64QAM	5.99	<=13	PASS
10	Low	QPSK	5.38	<=13	PASS
	Low	16QAM	6.13	<=13	PASS
	Low	64QAM	6.13	<=13	PASS
	Mid	QPSK	5.54	<=13	PASS
	Mid	16QAM	6.22	<=13	PASS
	Mid	64QAM	6.19	<=13	PASS
	High	QPSK	5.42	<=13	PASS
	High	16QAM	6.05	<=13	PASS
	High	64QAM	6.10	<=13	PASS

15	Low	QPSK	5.33	<=13	PASS
	Low	16QAM	6.11	<=13	PASS
	Low	64QAM	6.09	<=13	PASS
	Mid	QPSK	5.65	<=13	PASS
	Mid	16QAM	6.03	<=13	PASS
	Mid	64QAM	5.92	<=13	PASS
	High	QPSK	5.48	<=13	PASS
	High	16QAM	6.12	<=13	PASS
	High	64QAM	6.15	<=13	PASS
20	Low	QPSK	5.21	<=13	PASS
	Low	16QAM	6.07	<=13	PASS
	Low	64QAM	6.08	<=13	PASS
	Mid	QPSK	5.53	<=13	PASS
	Mid	16QAM	5.89	<=13	PASS
	Mid	64QAM	5.90	<=13	PASS
	High	QPSK	5.34	<=13	PASS
	High	16QAM	6.22	<=13	PASS
	High	64QAM	6.18	<=13	PASS

LTE Band 66					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.29	<=13	PASS
	Low	16QAM	6.08	<=13	PASS
	Low	64QAM	6.50	<=13	PASS
	Mid	QPSK	5.34	<=13	PASS
	Mid	16QAM	5.63	<=13	PASS
	Mid	64QAM	6.48	<=13	PASS
	High	QPSK	5.42	<=13	PASS
	High	16QAM	5.98	<=13	PASS
	High	64QAM	6.44	<=13	PASS
3	Low	QPSK	5.21	<=13	PASS
	Low	16QAM	6.01	<=13	PASS
	Low	64QAM	6.41	<=13	PASS
	Mid	QPSK	5.15	<=13	PASS
	Mid	16QAM	5.32	<=13	PASS
	Mid	64QAM	6.37	<=13	PASS
	High	QPSK	5.10	<=13	PASS
	High	16QAM	5.93	<=13	PASS
	High	64QAM	6.35	<=13	PASS
5	Low	QPSK	5.27	<=13	PASS
	Low	16QAM	5.90	<=13	PASS
	Low	64QAM	6.43	<=13	PASS
	Mid	QPSK	5.25	<=13	PASS
	Mid	16QAM	5.63	<=13	PASS
	Mid	64QAM	6.42	<=13	PASS
	High	QPSK	5.21	<=13	PASS
	High	16QAM	5.80	<=13	PASS
	High	64QAM	6.34	<=13	PASS
10	Low	QPSK	5.32	<=13	PASS
	Low	16QAM	5.75	<=13	PASS
	Low	64QAM	6.47	<=13	PASS
	Mid	QPSK	5.33	<=13	PASS
	Mid	16QAM	5.87	<=13	PASS
	Mid	64QAM	6.42	<=13	PASS
	High	QPSK	5.21	<=13	PASS
	High	16QAM	5.99	<=13	PASS
	High	64QAM	6.42	<=13	PASS

15	Low	QPSK	5.18	<=13	PASS
	Low	16QAM	5.47	<=13	PASS
	Low	64QAM	6.36	<=13	PASS
	Mid	QPSK	5.32	<=13	PASS
	Mid	16QAM	5.96	<=13	PASS
	Mid	64QAM	6.41	<=13	PASS
	High	QPSK	5.30	<=13	PASS
	High	16QAM	5.99	<=13	PASS
	High	64QAM	6.51	<=13	PASS
20	Low	QPSK	5.07	<=13	PASS
	Low	16QAM	5.87	<=13	PASS
	Low	64QAM	6.34	<=13	PASS
	Mid	QPSK	5.30	<=13	PASS
	Mid	16QAM	6.01	<=13	PASS
	Mid	64QAM	6.47	<=13	PASS
	High	QPSK	5.43	<=13	PASS
	High	16QAM	6.13	<=13	PASS
	High	64QAM	6.55	<=13	PASS

Band2 / 1.4MHz / Low CH / QPSK

Band2 / 1.4MHz / Low CH / 16QAM

Band2 / 1.4MHz / Low CH / 64QAM

Band2 / 1.4MHz / Mid CH / QPSK

Band2 / 1.4MHz / Mid CH / 16QAM

Band2 / 1.4MHz / Mid CH / 64QAM

Band2 / 1.4MHz / High CH / QPSK

Band2 / 1.4MHz / High CH / 16QAM

Band2 / 1.4MHz / High CH / 64QAM

Band2 / 3MHz / Low CH / QPSK

Band2 / 3MHz / Low CH / 16QAM

Band2 / 3MHz / Low CH / 64QAM

Band2 / 3MHz / Mid CH / QPSK

Band2 / 3MHz / Mid CH / 16QAM

Band2 / 3MHz / Mid CH / 64QAM

Band2 / 3MHz / High CH / QPSK

Band2 / 3MHz / High CH / 16QAM

Band2 / 3MHz / High CH / 64QAM

Band2 / 5MHz / Low CH / QPSK

Band2 / 5MHz / Low CH / 16QAM

Band2 / 5MHz / Low CH / 64QAM

Band2 / 5MHz / Mid CH / QPSK

Band2 / 5MHz / Mid CH / 16QAM

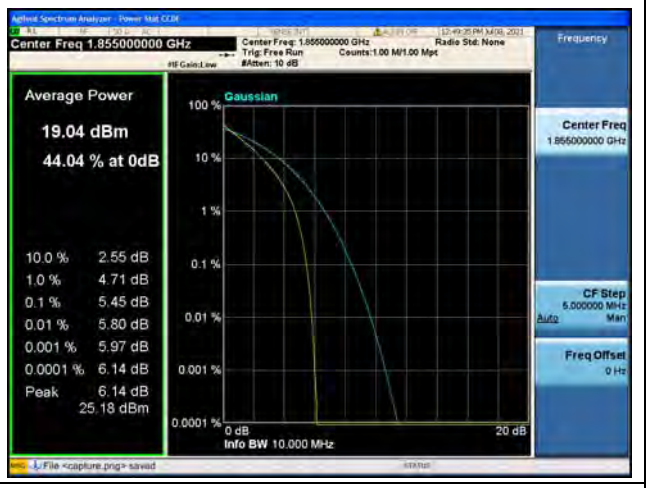
Band2 / 5MHz / Mid CH / 64QAM

Band2 / 5MHz / High CH / QPSK

Band2 / 5MHz / High CH / 16QAM

Band2 / 5MHz / High CH / 64QAM

Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM

Band2 / 10MHz / Low CH / 64QAM

Band2 / 10MHz / Mid CH / QPSK

Band2 / 10MHz / Mid CH / 16QAM

Band2 / 10MHz / Mid CH / 64QAM

Band2 / 10MHz / High CH / QPSK

Band2 / 10MHz / High CH / 16QAM

Band2 / 10MHz / High CH / 64QAM

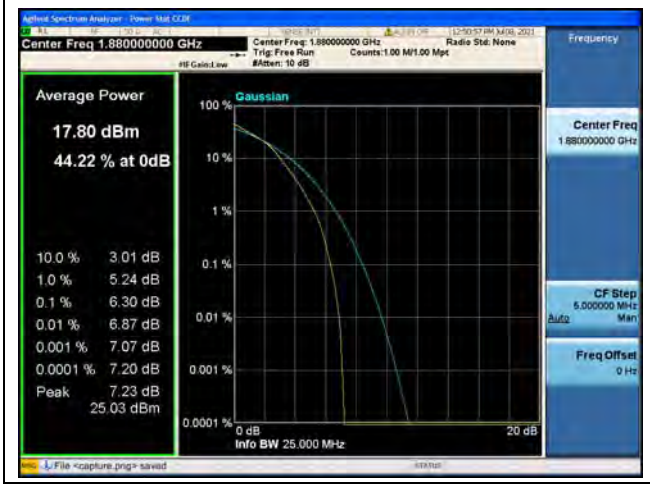
Band2 / 15MHz / Low CH / QPSK

Band2 / 15MHz / Low CH / 16QAM

Band2 / 15MHz / Low CH / 64QAM

Band2 / 15MHz / Mid CH / QPSK

Band2 / 15MHz / Mid CH / 16QAM



Band2 / 15MHz / Mid CH / 64QAM

Band2 / 15MHz / High CH / QPSK

Band2 / 15MHz / High CH / 16QAM

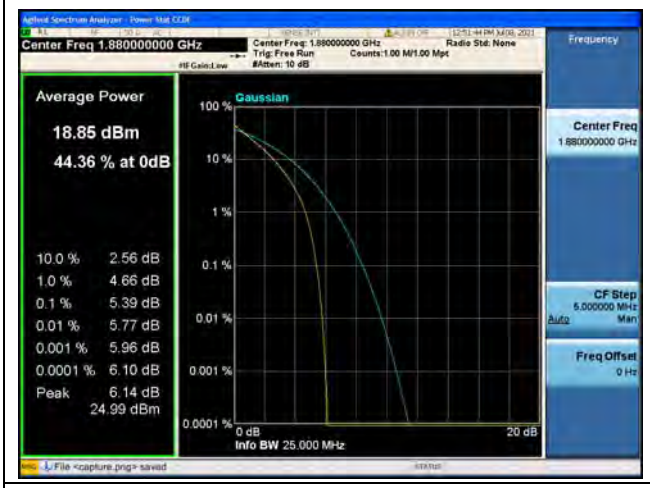
Band2 / 15MHz / High CH / 64QAM

Band2 / 20MHz / Low CH / QPSK

Band2 / 20MHz / Low CH / 16QAM

Band2 / 20MHz / Low CH / 64QAM

Band2 / 20MHz / Mid CH / QPSK



Band2 / 20MHz / Mid CH / 16QAM

Band2 / 20MHz / Mid CH / 64QAM

Band2 / 20MHz / High CH / QPSK

Band2 / 20MHz / High CH / 16QAM

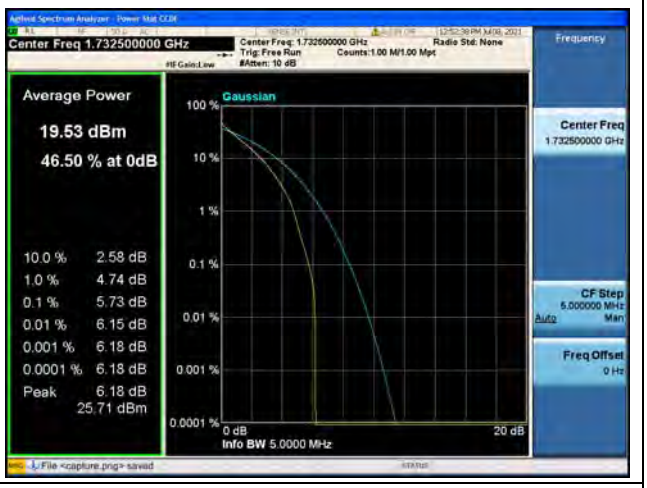
Band2 / 20MHz / High CH / 64QAM

Band4 / 1.4MHz / Low CH / QPSK

Band4 / 1.4MHz / Low CH / 16QAM

Band4 / 1.4MHz / Low CH / 64QAM

Band4 / 1.4MHz / Mid CH / QPSK



Band4 / 1.4MHz / Mid CH / 16QAM

Band4 / 1.4MHz / Mid CH / 64QAM