



REPORT No. : SZ23080057W06

TEST REPORT

APPLICANT : Xwireless LLC

PRODUCT NAME : Tablet

MODEL NAME : CMG101

BRAND NAME : Vortex

FCC ID : 2ADLJ-CMG101

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

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Change History		
Version	Date	Reason for change
1.0	2023-09-05	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Xwireless LLC
Applicant Address:	11565 Old Georgetown Rd, Rockville, MD 20852
Manufacturer:	Xwireless LLC
Manufacturer Address:	11565 Old Georgetown Rd, Rockville, MD 20852

1.2. Equipment Under Test (EUT) Description

Product Name:	Tablet	
Sample No.:	15#	
Hardware Version:	V1.0	
Software Version:	VORTEX_CMG101_13.0_05	
Modulation Type:	QPSK, 16QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 12 / 17 / 25 / 26 / 41 / 66 / 71	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz
	LTE Band 25	Tx: 1850MHz–1915MHz
		Rx: 1930MHz–1995MHz
	LTE Band 26	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 41	Tx: 2496MHz –2690MHz
		Rx: 2496MHz –2690MHz



Frequency Range:	LTE Band 66	Tx: 1710MHz–1780MHz
		Rx: 2110MHz–2200MHz
	LTE Band 71	Tx: 663MHz –698MHz
		Rx: 617MHz –652MHz
Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 25	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 26	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	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	2.02dBi
	LTE Band 4	1.38dBi
	LTE Band 5	0.52dBi
	LTE Band 12	-1.12dBi
	LTE Band 17	-1.12dBi
	LTE Band 25	2.02dBi
	LTE Band 26	0.52dBi
	LTE Band 41	-1.95dBi
	LTE Band 66	1.38dBi
	LTE Band 71	-1.80dBi
Accessory Information:	Battery	
	Brand Name:	N/A
	Model No.:	3088128
	Serial No.:	N/A
	Capacity:	5000mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	SHENZHEN UTILITY ENERGY CO., LTD.



Accessory Information:	AC Adapter	
	Brand Name:	N/A
	Model No.:	TN-050200U3
	Serial No.:	N/A
	Rated Output:	5V $\overline{=}$ 2A
	Rated Input:	100-240V $\sim$ 50/60Hz, 0.35A
	Manufacturer:	Guangdong Beicom Electronics Co., Ltd.

Note 1: LTE Band 41 supports both power class 2 and class 3. We have evaluated two power classes respectively by performing full test, for Conducted Output Power and E.I.R.P. we recorded the test result of two power classes separately, for other test items we only recorded the worst test result (Class 2) in this report.

Note 2: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

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

LTE Band 2	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.283	0.238	18M0G7D	18M0W7D
15	0.278	0.236	13M5G7D	13M5W7D
10	0.275	0.232	9M01G7D	8M98W7D
5	0.272	0.234	4M51G7D	4M50W7D
3	0.275	0.230	2M69G7D	2M70W7D
1.4	0.273	0.232	1M09G7D	1M10W7D
LTE Band 4	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.239	0.200	18M0G7D	18M0W7D
15	0.236	0.196	13M5G7D	13M5W7D
10	0.234	0.198	9M01G7D	8M97W7D
5	0.236	0.199	4M50G7D	4M50W7D
3	0.237	0.196	2M69G7D	2M69W7D
1.4	0.234	0.198	1M10G7D	1M10W7D
LTE Band 5	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
10	0.138	0.117	9M00G7D	8M98W7D
5	0.136	0.115	4M51G7D	4M51W7D
3	0.135	0.115	2M69G7D	2M72W7D
1.4	0.136	0.115	1M10G7D	1M10W7D
LTE Band 12	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
10	0.094	0.080	9M03G7D	8M99W7D
5	0.092	0.079	4M53G7D	4M52W7D
3	0.092	0.079	2M69G7D	2M70W7D
1.4	0.093	0.079	1M10G7D	1M10W7D
LTE Band 17	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
10	0.093	0.078	9M01G7D	8M98W7D
5	0.092	0.076	4M53G7D	4M52W7D



LTE Band 25	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.286	0.239	18M0G7D	18M0W7D
15	0.284	0.235	13M5G7D	13M5W7D
10	0.284	0.235	9M05G7D	8M99W7D
5	0.283	0.235	4M53G7D	4M53W7D
3	0.279	0.233	2M69G7D	2M69W7D
1.4	0.281	0.235	1M10G7D	1M10W7D
LTE Band 26	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
15	0.137	0.114	13M5G7D	13M5W7D
10	0.134	0.112	8M99G7D	8M97W7D
5	0.135	0.112	4M50G7D	4M50W7D
3	0.136	0.112	2M69G7D	2M70W7D
1.4	0.136	0.112	1M10G7D	1M10W7D
LTE Band 66	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.239	0.199	18M0G7D	18M0W7D
15	0.234	0.195	13M5G7D	13M5W7D
10	0.235	0.195	9M03G7D	8M99W7D
5	0.235	0.195	4M52G7D	4M53W7D
3	0.233	0.197	2M69G7D	2M70W7D
1.4	0.235	0.196	1M10G7D	1M10W7D
LTE Band 71	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.074	0.064	18M0G7D	18M0W7D
15	0.073	0.064	13M5G7D	13M5W7D
10	0.073	0.063	9M03G7D	8M99W7D
5	0.074	0.064	4M52G7D	4M51W7D



LTE Band 41	Maximum E.R.P./E.I.R.P. (W)			
	Power Class 2		Power Class 3	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
20	0.264	0.223	0.141	0.120
15	0.259	0.218	0.137	0.118
10	0.260	0.220	0.138	0.118
5	0.262	0.218	0.138	0.119
LTE Band 41	Emission Designator (99%OBW)			
BW(MHz)	QPSK		16QAM	
5	4M50G7D		4M50W7D	
10	9M00G7D		8M99W7D	
15	13M5G7D		13M5W7D	
20	17M9G7D		18M0W7D	



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Aug. 16, 2023	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Aug. 16, 2023	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Aug. 16, 2023	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Aug. 16, 2023	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Aug. 16, 2023	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g)	Band Edge	Aug. 16, 2023	Li Huaijie	PASS	No deviation



27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Sep. 04, 2022	Su Zhan	PASS	No deviation

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 22H, Part 24E, Part 27H&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 2/25, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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

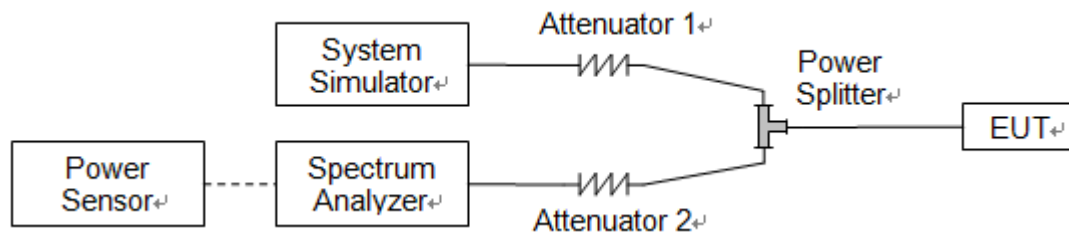
According to FCC section 22.913 (a)(2) for LTE Band 5/26, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h)(2) for LTE Band 41, Mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

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

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.

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	22.44	22.50	22.47
20	QPSK	1	49	22.38	22.35	22.35
20	QPSK	1	99	22.30	22.27	22.28
20	QPSK	50	0	21.77	21.78	21.75
20	QPSK	50	24	21.68	21.50	21.61
20	QPSK	50	50	21.57	21.38	21.55
20	QPSK	100	0	21.48	21.52	21.41
20	16QAM	1	0	21.75	21.59	21.68
20	16QAM	1	49	21.69	21.51	21.61
20	16QAM	1	99	21.65	21.38	21.50
20	16QAM	50	0	20.71	20.50	20.66
20	16QAM	50	24	20.65	20.43	20.53
20	16QAM	50	50	20.55	20.34	20.38
20	16QAM	100	0	20.52	20.30	20.26



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.41	22.42	22.40
15	QPSK	1	37	22.30	22.25	22.30
15	QPSK	1	74	22.24	22.21	22.24
15	QPSK	36	0	21.68	21.73	21.64
15	QPSK	36	20	21.64	21.46	21.54
15	QPSK	36	39	21.52	21.34	21.45
15	QPSK	75	0	21.43	21.48	21.34
15	16QAM	1	0	21.70	21.51	21.61
15	16QAM	1	37	21.58	21.43	21.53
15	16QAM	1	74	21.56	21.33	21.46
15	16QAM	36	0	20.67	20.43	20.59
15	16QAM	36	20	20.62	20.39	20.48
15	16QAM	36	39	20.50	20.30	20.30
15	16QAM	75	0	20.48	20.25	20.16



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.38	22.38	22.37
10	QPSK	1	25	22.20	22.19	22.21
10	QPSK	1	49	22.19	22.11	22.15
10	QPSK	25	0	21.63	21.64	21.61
10	QPSK	25	12	21.54	21.40	21.45
10	QPSK	25	25	21.47	21.24	21.35
10	QPSK	50	0	21.37	21.42	21.28
10	16QAM	1	0	21.63	21.42	21.58
10	16QAM	1	25	21.47	21.35	21.45
10	16QAM	1	49	21.49	21.27	21.41
10	16QAM	25	0	20.58	20.38	20.50
10	16QAM	25	12	20.54	20.30	20.38
10	16QAM	25	25	20.45	20.25	20.26
10	16QAM	50	0	20.43	20.20	20.12



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.33	22.31	22.32
5	QPSK	1	12	22.21	22.15	22.21
5	QPSK	1	24	22.15	22.11	22.13
5	QPSK	12	0	21.60	21.64	21.56
5	QPSK	12	7	21.55	21.38	21.43
5	QPSK	12	13	21.42	21.29	21.40
5	QPSK	25	0	21.37	21.41	21.28
5	16QAM	1	0	21.67	21.41	21.58
5	16QAM	1	12	21.51	21.36	21.42
5	16QAM	1	24	21.48	21.22	21.39
5	16QAM	12	0	20.58	20.39	20.52
5	16QAM	12	7	20.53	20.32	20.40
5	16QAM	12	13	20.45	20.23	20.26
5	16QAM	25	0	20.38	20.16	20.10



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.37	22.34	22.34
3	QPSK	1	8	22.26	22.14	22.25
3	QPSK	1	14	22.16	22.18	22.18
3	QPSK	8	0	21.61	21.65	21.58
3	QPSK	8	4	21.60	21.42	21.46
3	QPSK	8	7	21.46	21.29	21.34
3	QPSK	15	0	21.33	21.44	21.28
3	16QAM	1	0	21.60	21.44	21.53
3	16QAM	1	8	21.48	21.37	21.46
3	16QAM	1	14	21.51	21.24	21.41
3	16QAM	8	0	20.60	20.33	20.48
3	16QAM	8	4	20.56	20.35	20.44
3	16QAM	8	7	20.45	20.20	20.23
3	16QAM	15	0	20.38	20.16	20.12



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	22.34	22.34	22.31
1.4	QPSK	1	3	22.19	22.18	22.24
1.4	QPSK	1	5	22.16	22.16	22.15
1.4	QPSK	3	0	21.58	21.63	21.58
1.4	QPSK	3	1	21.60	21.36	21.46
1.4	QPSK	3	3	21.47	21.30	21.36
1.4	QPSK	6	0	21.32	21.43	21.30
1.4	16QAM	1	0	21.63	21.44	21.53
1.4	16QAM	1	3	21.49	21.39	21.47
1.4	16QAM	1	5	21.45	21.24	21.40
1.4	16QAM	3	0	20.63	20.36	20.50
1.4	16QAM	3	1	20.57	20.33	20.44
1.4	16QAM	3	3	20.46	20.21	20.23
1.4	16QAM	6	0	20.40	20.20	20.09



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				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	22.35	22.40	22.32
20	QPSK	1	49	22.25	22.37	22.24
20	QPSK	1	99	22.10	22.31	22.15
20	QPSK	50	0	21.55	21.67	21.53
20	QPSK	50	24	21.50	21.56	21.46
20	QPSK	50	50	21.40	21.50	21.32
20	QPSK	100	0	21.39	21.44	21.32
20	16QAM	1	0	21.52	21.64	21.45
20	16QAM	1	49	21.45	21.54	21.34
20	16QAM	1	99	21.41	21.48	21.27
20	16QAM	50	0	20.53	20.61	20.38
20	16QAM	50	24	20.42	20.49	20.30
20	16QAM	50	50	20.32	20.39	20.23
20	16QAM	100	0	20.29	20.29	20.10



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	22.32	22.35	22.28
15	QPSK	1	37	22.18	22.30	22.20
15	QPSK	1	74	22.01	22.22	22.11
15	QPSK	36	0	21.46	21.62	21.46
15	QPSK	36	20	21.42	21.52	21.39
15	QPSK	36	39	21.32	21.46	21.21
15	QPSK	75	0	21.36	21.39	21.24
15	16QAM	1	0	21.42	21.54	21.37
15	16QAM	1	37	21.41	21.49	21.30
15	16QAM	1	74	21.35	21.38	21.19
15	16QAM	36	0	20.45	20.52	20.28
15	16QAM	36	20	20.34	20.43	20.19
15	16QAM	36	39	20.23	20.35	20.13
15	16QAM	75	0	20.20	20.23	20.01



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	22.25	22.32	22.24
10	QPSK	1	25	22.15	22.29	22.13
10	QPSK	1	49	22.03	22.22	22.11
10	QPSK	25	0	21.47	21.61	21.45
10	QPSK	25	12	21.46	21.51	21.41
10	QPSK	25	25	21.32	21.46	21.25
10	QPSK	50	0	21.32	21.33	21.28
10	16QAM	1	0	21.42	21.58	21.38
10	16QAM	1	25	21.35	21.49	21.26
10	16QAM	1	49	21.32	21.40	21.20
10	16QAM	25	0	20.45	20.54	20.27
10	16QAM	25	12	20.37	20.41	20.24
10	16QAM	25	25	20.23	20.31	20.19
10	16QAM	50	0	20.24	20.21	20.03



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.31	22.35	22.26
5	QPSK	1	12	22.21	22.33	22.16
5	QPSK	1	24	22.03	22.23	22.06
5	QPSK	12	0	21.44	21.63	21.48
5	QPSK	12	7	21.45	21.51	21.40
5	QPSK	12	13	21.36	21.40	21.23
5	QPSK	25	0	21.32	21.40	21.28
5	16QAM	1	0	21.42	21.61	21.42
5	16QAM	1	12	21.39	21.46	21.25
5	16QAM	1	24	21.37	21.39	21.16
5	16QAM	12	0	20.48	20.51	20.30
5	16QAM	12	7	20.34	20.42	20.20
5	16QAM	12	13	20.26	20.35	20.15
5	16QAM	25	0	20.22	20.21	20.05



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	22.26	22.37	22.25
3	QPSK	1	8	22.18	22.30	22.17
3	QPSK	1	14	22.01	22.28	22.11
3	QPSK	8	0	21.51	21.64	21.46
3	QPSK	8	4	21.44	21.47	21.37
3	QPSK	8	7	21.32	21.44	21.27
3	QPSK	15	0	21.32	21.39	21.28
3	16QAM	1	0	21.47	21.55	21.38
3	16QAM	1	8	21.42	21.51	21.24
3	16QAM	1	14	21.33	21.44	21.19
3	16QAM	8	0	20.44	20.55	20.28
3	16QAM	8	4	20.37	20.41	20.24
3	16QAM	8	7	20.22	20.33	20.17
3	16QAM	15	0	20.18	20.20	20.05



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	22.28	22.30	22.28
1.4	QPSK	1	3	22.16	22.31	22.15
1.4	QPSK	1	5	22.03	22.22	22.10
1.4	QPSK	3	0	21.50	21.58	21.48
1.4	QPSK	3	1	21.46	21.51	21.37
1.4	QPSK	3	3	21.32	21.46	21.28
1.4	QPSK	6	0	21.31	21.36	21.28
1.4	16QAM	1	0	21.49	21.59	21.38
1.4	16QAM	1	3	21.35	21.48	21.27
1.4	16QAM	1	5	21.37	21.42	21.19
1.4	16QAM	3	0	20.47	20.53	20.28
1.4	16QAM	3	1	20.38	20.39	20.24
1.4	16QAM	3	3	20.21	20.33	20.16
1.4	16QAM	6	0	20.18	20.20	20.02



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	22.98	23.03	22.96
10	QPSK	1	25	22.87	22.98	22.84
10	QPSK	1	49	22.85	22.88	22.74
10	QPSK	25	0	22.29	22.33	22.16
10	QPSK	25	12	22.15	22.21	22.07
10	QPSK	25	25	22.01	22.13	21.93
10	QPSK	50	0	21.89	22.05	21.82
10	16QAM	1	0	22.12	22.31	22.05
10	16QAM	1	25	22.04	22.21	21.96
10	16QAM	1	49	21.98	22.17	21.83
10	16QAM	25	0	21.13	21.26	20.95
10	16QAM	25	12	20.99	21.19	20.88
10	16QAM	25	25	20.94	21.12	20.79
10	16QAM	50	0	20.89	21.06	20.73



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.94	22.96	22.91
5	QPSK	1	12	22.84	22.90	22.75
5	QPSK	1	24	22.77	22.82	22.70
5	QPSK	12	0	22.20	22.26	22.10
5	QPSK	12	7	22.11	22.17	21.98
5	QPSK	12	13	21.91	22.09	21.83
5	QPSK	25	0	21.85	22.01	21.74
5	16QAM	1	0	22.07	22.23	21.96
5	16QAM	1	12	21.95	22.15	21.91
5	16QAM	1	24	21.93	22.07	21.75
5	16QAM	12	0	21.08	21.16	20.84
5	16QAM	12	7	20.93	21.12	20.79
5	16QAM	12	13	20.85	21.08	20.68
5	16QAM	25	0	20.79	21.01	20.68



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.89	22.92	22.87
3	QPSK	1	8	22.76	22.91	22.81
3	QPSK	1	14	22.76	22.81	22.63
3	QPSK	8	0	22.23	22.27	22.13
3	QPSK	8	4	22.09	22.13	22.01
3	QPSK	8	7	21.91	22.03	21.88
3	QPSK	15	0	21.80	21.96	21.77
3	16QAM	1	0	22.04	22.24	22.01
3	16QAM	1	8	21.99	22.10	21.91
3	16QAM	1	14	21.91	22.07	21.80
3	16QAM	8	0	21.08	21.15	20.85
3	16QAM	8	4	20.89	21.14	20.82
3	16QAM	8	7	20.87	21.01	20.76
3	16QAM	15	0	20.85	21.00	20.65



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.92	22.97	22.87
1.4	QPSK	1	3	22.82	22.89	22.77
1.4	QPSK	1	5	22.82	22.80	22.69
1.4	QPSK	3	0	22.20	22.27	22.07
1.4	QPSK	3	1	22.09	22.17	22.00
1.4	QPSK	3	3	21.95	22.08	21.88
1.4	QPSK	6	0	21.80	22.01	21.75
1.4	16QAM	1	0	22.02	22.25	22.01
1.4	16QAM	1	3	21.93	22.15	21.90
1.4	16QAM	1	5	21.95	22.07	21.75
1.4	16QAM	3	0	21.03	21.18	20.88
1.4	16QAM	3	1	20.95	21.10	20.77
1.4	16QAM	3	3	20.90	21.01	20.75
1.4	16QAM	6	0	20.82	21.00	20.63



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	22.95	22.98	22.96
10	QPSK	1	25	22.81	22.87	22.83
10	QPSK	1	49	22.72	22.79	22.80
10	QPSK	25	0	22.19	22.26	22.15
10	QPSK	25	12	22.11	22.23	22.04
10	QPSK	25	25	21.99	22.13	22.01
10	QPSK	50	0	21.95	22.10	21.94
10	16QAM	1	0	22.18	22.31	22.20
10	16QAM	1	25	22.15	22.25	22.13
10	16QAM	1	49	22.05	22.16	22.06
10	16QAM	25	0	21.23	21.24	21.13
10	16QAM	25	12	21.11	21.16	21.08
10	16QAM	25	25	20.98	21.10	20.93
10	16QAM	50	0	20.95	21.01	20.82



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	22.87	22.91	22.89
5	QPSK	1	12	22.71	22.82	22.74
5	QPSK	1	24	22.64	22.71	22.76
5	QPSK	12	0	22.12	22.23	22.04
5	QPSK	12	7	22.03	22.16	21.97
5	QPSK	12	13	21.90	22.04	21.90
5	QPSK	25	0	21.86	22.04	21.88
5	16QAM	1	0	22.15	22.23	22.14
5	16QAM	1	12	22.06	22.17	22.06
5	16QAM	1	24	21.97	22.06	22.01
5	16QAM	12	0	21.19	21.15	21.06
5	16QAM	12	7	21.05	21.10	20.97
5	16QAM	12	13	20.87	20.99	20.89
5	16QAM	25	0	20.88	20.93	20.72



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	22.89	22.88	22.86
3	QPSK	1	8	22.77	22.81	22.74
3	QPSK	1	14	22.64	22.72	22.70
3	QPSK	8	0	22.14	22.19	22.06
3	QPSK	8	4	22.04	22.19	21.93
3	QPSK	8	7	21.93	22.05	21.95
3	QPSK	15	0	21.91	22.02	21.88
3	16QAM	1	0	22.08	22.22	22.09
3	16QAM	1	8	22.07	22.17	22.04
3	16QAM	1	14	21.97	22.06	21.98
3	16QAM	8	0	21.19	21.16	21.10
3	16QAM	8	4	21.07	21.10	20.98
3	16QAM	8	7	20.91	21.06	20.84
3	16QAM	15	0	20.85	20.97	20.75



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	22.87	22.94	22.92
1.4	QPSK	1	3	22.77	22.81	22.75
1.4	QPSK	1	5	22.66	22.76	22.73
1.4	QPSK	3	0	22.10	22.21	22.11
1.4	QPSK	3	1	22.07	22.16	21.95
1.4	QPSK	3	3	21.96	22.08	21.95
1.4	QPSK	6	0	21.85	22.00	21.83
1.4	16QAM	1	0	22.07	22.22	22.13
1.4	16QAM	1	3	22.05	22.18	22.05
1.4	16QAM	1	5	21.99	22.13	21.99
1.4	16QAM	3	0	21.18	21.17	21.05
1.4	16QAM	3	1	21.06	21.09	21.03
1.4	16QAM	3	3	20.90	21.06	20.85
1.4	16QAM	6	0	20.85	20.97	20.73



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	22.96	22.97	22.92
10	QPSK	1	25	22.85	22.94	22.81
10	QPSK	1	49	22.72	22.83	22.69
10	QPSK	25	0	22.16	22.22	22.05
10	QPSK	25	12	22.09	22.07	21.96
10	QPSK	25	25	22.00	21.97	21.81
10	QPSK	50	0	21.94	21.95	21.68
10	16QAM	1	0	22.14	22.18	21.89
10	16QAM	1	25	22.00	22.04	21.85
10	16QAM	1	49	21.87	21.90	21.72
10	16QAM	25	0	21.04	21.03	20.90
10	16QAM	25	12	20.92	20.89	20.80
10	16QAM	25	25	20.77	20.74	20.78
10	16QAM	50	0	20.75	20.62	20.66



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	22.91	22.93	22.82
5	QPSK	1	12	22.75	22.85	22.74
5	QPSK	1	24	22.61	22.74	22.60
5	QPSK	12	0	22.11	22.12	22.01
5	QPSK	12	7	22.04	22.01	21.86
5	QPSK	12	13	21.96	21.87	21.74
5	QPSK	25	0	21.85	21.83	21.61
5	16QAM	1	0	22.08	22.08	21.80
5	16QAM	1	12	21.92	21.97	21.81
5	16QAM	1	24	21.78	21.86	21.65
5	16QAM	12	0	21.01	20.93	20.82
5	16QAM	12	7	20.82	20.83	20.72
5	16QAM	12	13	20.67	20.70	20.71
5	16QAM	25	0	20.65	20.55	20.59



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26140	26365	26590
Frequency (MHz)				1860	1882.5	1905
20	QPSK	1	0	22.48	22.54	22.52
20	QPSK	1	49	22.35	22.40	22.43
20	QPSK	1	99	22.27	22.35	22.35
20	QPSK	50	0	21.74	21.80	21.78
20	QPSK	50	24	21.59	21.66	21.63
20	QPSK	50	50	21.52	21.56	21.61
20	QPSK	100	0	21.44	21.51	21.49
20	16QAM	1	0	21.65	21.73	21.76
20	16QAM	1	49	21.62	21.61	21.71
20	16QAM	1	99	21.55	21.52	21.59
20	16QAM	50	0	20.72	20.58	20.68
20	16QAM	50	24	20.65	20.55	20.58
20	16QAM	50	50	20.54	20.47	20.45
20	16QAM	100	0	20.46	20.43	20.42



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26115	26365	26615
Frequency (MHz)				1857.5	1882.5	1907.5
15	QPSK	1	0	22.44	22.51	22.47
15	QPSK	1	37	22.29	22.35	22.34
15	QPSK	1	74	22.19	22.32	22.32
15	QPSK	36	0	21.70	21.72	21.70
15	QPSK	36	20	21.51	21.58	21.55
15	QPSK	36	39	21.45	21.49	21.51
15	QPSK	75	0	21.41	21.43	21.46
15	16QAM	1	0	21.60	21.69	21.67
15	16QAM	1	37	21.52	21.54	21.65
15	16QAM	1	74	21.52	21.41	21.55
15	16QAM	36	0	20.68	20.50	20.62
15	16QAM	36	20	20.55	20.48	20.52
15	16QAM	36	39	20.45	20.37	20.41
15	16QAM	75	0	20.42	20.33	20.33



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26090	26365	26640
Frequency (MHz)				1855	1882.5	1910
10	QPSK	1	0	22.38	22.51	22.42
10	QPSK	1	25	22.28	22.33	22.32
10	QPSK	1	49	22.22	22.27	22.27
10	QPSK	25	0	21.64	21.76	21.69
10	QPSK	25	12	21.52	21.62	21.55
10	QPSK	25	25	21.46	21.49	21.55
10	QPSK	50	0	21.38	21.39	21.38
10	16QAM	1	0	21.58	21.69	21.69
10	16QAM	1	25	21.52	21.51	21.64
10	16QAM	1	49	21.48	21.42	21.50
10	16QAM	25	0	20.62	20.55	20.61
10	16QAM	25	12	20.57	20.45	20.53
10	16QAM	25	25	20.48	20.37	20.39
10	16QAM	50	0	20.42	20.39	20.34



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26065	26365	26665
Frequency (MHz)				1852.5	1882.5	1912.5
5	QPSK	1	0	22.42	22.50	22.47
5	QPSK	1	12	22.29	22.36	22.39
5	QPSK	1	24	22.23	22.30	22.31
5	QPSK	12	0	21.65	21.76	21.69
5	QPSK	12	7	21.52	21.58	21.60
5	QPSK	12	13	21.42	21.52	21.54
5	QPSK	25	0	21.36	21.40	21.42
5	16QAM	1	0	21.60	21.65	21.69
5	16QAM	1	12	21.51	21.50	21.68
5	16QAM	1	24	21.49	21.43	21.53
5	16QAM	12	0	20.61	20.48	20.59
5	16QAM	12	7	20.57	20.51	20.49
5	16QAM	12	13	20.47	20.40	20.42
5	16QAM	25	0	20.38	20.33	20.31



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26055	26365	26675
Frequency (MHz)				1851.5	1882.5	1913.5
3	QPSK	1	0	22.43	22.44	22.44
3	QPSK	1	8	22.31	22.31	22.34
3	QPSK	1	14	22.22	22.30	22.26
3	QPSK	8	0	21.70	21.70	21.74
3	QPSK	8	4	21.53	21.61	21.52
3	QPSK	8	7	21.45	21.51	21.53
3	QPSK	15	0	21.38	21.39	21.42
3	16QAM	1	0	21.56	21.63	21.65
3	16QAM	1	8	21.56	21.53	21.64
3	16QAM	1	14	21.49	21.47	21.49
3	16QAM	8	0	20.61	20.48	20.58
3	16QAM	8	4	20.60	20.49	20.52
3	16QAM	8	7	20.47	20.39	20.34
3	16QAM	15	0	20.35	20.32	20.33



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26047	26365	26683
Frequency (MHz)				1850.7	1882.5	1914.3
1.4	QPSK	1	0	22.44	22.44	22.47
1.4	QPSK	1	3	22.28	22.36	22.36
1.4	QPSK	1	5	22.20	22.30	22.24
1.4	QPSK	3	0	21.69	21.72	21.72
1.4	QPSK	3	1	21.48	21.59	21.55
1.4	QPSK	3	3	21.49	21.46	21.53
1.4	QPSK	6	0	21.38	21.40	21.38
1.4	16QAM	1	0	21.55	21.69	21.69
1.4	16QAM	1	3	21.55	21.50	21.62
1.4	16QAM	1	5	21.44	21.48	21.56
1.4	16QAM	3	0	20.67	20.53	20.63
1.4	16QAM	3	1	20.59	20.45	20.48
1.4	16QAM	3	3	20.49	20.38	20.41
1.4	16QAM	6	0	20.41	20.38	20.33



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26865	26915	26965
Frequency (MHz)				831.5	836.5	841.5
15	QPSK	1	0	23.01	22.99	22.99
15	QPSK	1	37	22.87	22.90	22.96
15	QPSK	1	74	22.85	22.82	22.83
15	QPSK	36	0	22.34	22.26	22.19
15	QPSK	36	20	22.19	22.15	22.15
15	QPSK	36	39	22.06	22.05	22.09
15	QPSK	75	0	22.06	21.98	21.96
15	16QAM	1	0	22.21	22.20	22.19
15	16QAM	1	37	22.18	22.12	22.10
15	16QAM	1	74	22.13	22.02	21.97
15	16QAM	36	0	21.21	21.14	21.10
15	16QAM	36	20	21.10	21.03	20.99
15	16QAM	36	39	21.04	20.95	20.94
15	16QAM	75	0	20.90	20.88	20.87



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26840	26915	26990
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	22.88	22.84	22.89
10	QPSK	1	25	22.82	22.83	22.88
10	QPSK	1	49	22.71	22.78	22.79
10	QPSK	25	0	22.10	22.07	22.13
10	QPSK	25	12	21.96	21.93	22.05
10	QPSK	25	25	21.93	21.99	22.00
10	QPSK	50	0	21.84	21.84	21.91
10	16QAM	1	0	22.01	22.02	22.11
10	16QAM	1	25	22.00	21.92	22.02
10	16QAM	1	49	21.93	21.86	21.94
10	16QAM	25	0	20.97	21.00	21.06
10	16QAM	25	12	20.83	20.83	20.88
10	16QAM	25	25	20.78	20.78	20.90
10	16QAM	50	0	20.79	20.75	20.81



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26815	26915	27015
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.92	22.89	22.93
5	QPSK	1	12	22.87	22.84	22.88
5	QPSK	1	24	22.73	22.74	22.77
5	QPSK	12	0	22.09	22.03	22.14
5	QPSK	12	7	21.98	22.02	22.07
5	QPSK	12	13	21.97	21.92	22.03
5	QPSK	25	0	21.82	21.76	21.86
5	16QAM	1	0	22.00	22.02	22.11
5	16QAM	1	12	22.02	21.98	22.03
5	16QAM	1	24	21.83	21.78	21.89
5	16QAM	12	0	21.00	20.99	21.07
5	16QAM	12	7	20.87	20.84	20.93
5	16QAM	12	13	20.82	20.81	20.85
5	16QAM	25	0	20.73	20.68	20.79



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26805	26915	27025
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.91	22.86	22.95
3	QPSK	1	8	22.90	22.87	22.93
3	QPSK	1	14	22.65	22.70	22.75
3	QPSK	8	0	22.04	22.13	22.14
3	QPSK	8	4	22.03	22.03	22.10
3	QPSK	8	7	21.98	21.94	22.04
3	QPSK	15	0	21.79	21.81	21.89
3	16QAM	1	0	22.05	22.05	22.11
3	16QAM	1	8	21.98	22.02	22.06
3	16QAM	1	14	21.81	21.79	21.88
3	16QAM	8	0	20.96	20.95	21.03
3	16QAM	8	4	20.91	20.89	20.92
3	16QAM	8	7	20.89	20.82	20.91
3	16QAM	15	0	20.66	20.68	20.78



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26797	26915	27033
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.87	22.92	22.95
1.4	QPSK	1	3	22.87	22.78	22.89
1.4	QPSK	1	5	22.71	22.69	22.76
1.4	QPSK	3	0	22.06	22.01	22.12
1.4	QPSK	3	1	22.07	22.07	22.09
1.4	QPSK	3	3	21.96	21.95	22.03
1.4	QPSK	6	0	21.84	21.82	21.92
1.4	16QAM	1	0	22.11	22.02	22.14
1.4	16QAM	1	3	21.92	21.91	22.00
1.4	16QAM	1	5	21.90	21.85	21.94
1.4	16QAM	3	0	20.96	20.93	21.00
1.4	16QAM	3	1	20.79	20.86	20.90
1.4	16QAM	3	3	20.78	20.81	20.86
1.4	16QAM	6	0	20.76	20.73	20.82



LTE Band 41(Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	26.10	26.17	26.15
20	QPSK	1	49	26.07	26.08	26.06
20	QPSK	1	99	25.94	26.03	25.96
20	QPSK	50	0	25.31	25.43	25.40
20	QPSK	50	24	25.27	25.33	25.37
20	QPSK	50	50	25.24	25.21	25.31
20	QPSK	100	0	25.11	25.25	25.22
20	16QAM	1	0	25.38	25.33	25.43
20	16QAM	1	49	25.33	25.20	25.28
20	16QAM	1	99	25.29	25.05	25.16
20	16QAM	50	0	24.46	24.19	24.23
20	16QAM	50	24	24.41	24.06	24.20
20	16QAM	50	50	24.33	23.92	24.12
20	16QAM	100	0	24.24	23.80	24.09



LTE Band 41(Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	26.00	26.03	26.08
15	QPSK	1	37	25.93	25.95	25.97
15	QPSK	1	74	25.81	25.93	25.85
15	QPSK	36	0	25.19	25.37	25.32
15	QPSK	36	20	25.17	25.25	25.31
15	QPSK	36	39	25.17	25.12	25.18
15	QPSK	75	0	25.01	24.99	25.13
15	16QAM	1	0	25.28	25.26	25.34
15	16QAM	1	37	25.23	25.11	25.16
15	16QAM	1	74	25.21	24.96	25.02
15	16QAM	36	0	24.39	24.06	24.16
15	16QAM	36	20	24.31	23.92	24.06
15	16QAM	36	39	24.23	23.78	24.04
15	16QAM	75	0	24.15	23.66	24.02



LTE Band 41(Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	26.01	26.10	26.07
10	QPSK	1	25	25.96	26.04	25.96
10	QPSK	1	49	25.91	25.97	25.90
10	QPSK	25	0	25.25	25.33	25.35
10	QPSK	25	12	25.17	25.23	25.28
10	QPSK	25	25	25.17	25.16	25.21
10	QPSK	50	0	25.08	25.06	25.15
10	16QAM	1	0	25.27	25.26	25.38
10	16QAM	1	25	25.25	25.10	25.23
10	16QAM	1	49	25.20	24.95	25.11
10	16QAM	25	0	24.38	24.15	24.16
10	16QAM	25	12	24.32	24.02	24.15
10	16QAM	25	25	24.26	23.87	24.03
10	16QAM	50	0	24.18	23.76	24.04



LTE Band 41(Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	26.06	26.14	26.06
5	QPSK	1	12	26.00	26.01	26.02
5	QPSK	1	24	25.83	25.98	25.88
5	QPSK	12	0	25.22	25.35	25.35
5	QPSK	12	7	25.20	25.24	25.29
5	QPSK	12	13	25.19	25.12	25.23
5	QPSK	25	0	25.05	25.04	25.12
5	16QAM	1	0	25.28	25.23	25.33
5	16QAM	1	12	25.28	25.09	25.24
5	16QAM	1	24	25.22	24.97	25.10
5	16QAM	12	0	24.37	24.13	24.16
5	16QAM	12	7	24.32	24.02	24.13
5	16QAM	12	13	24.25	23.86	24.07
5	16QAM	25	0	24.20	23.75	24.04



LTE Band 41(Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	23.36	23.43	23.32
20	QPSK	1	49	23.30	23.34	23.30
20	QPSK	1	99	23.28	23.29	23.21
20	QPSK	50	0	22.67	22.65	22.59
20	QPSK	50	24	22.63	22.58	22.44
20	QPSK	50	50	22.55	22.45	22.37
20	QPSK	100	0	22.50	22.51	22.34
20	16QAM	1	0	22.73	22.64	22.56
20	16QAM	1	49	22.61	22.51	22.44
20	16QAM	1	99	22.51	22.37	22.30
20	16QAM	50	0	21.61	21.45	21.38
20	16QAM	50	24	21.52	21.39	21.35
20	16QAM	50	50	21.39	21.37	21.25
20	16QAM	100	0	21.26	21.24	21.15



LTE Band 41(Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	23.25	23.32	23.22
15	QPSK	1	37	23.21	23.24	23.26
15	QPSK	1	74	23.19	23.14	23.14
15	QPSK	36	0	22.64	22.54	22.48
15	QPSK	36	20	22.56	22.51	22.34
15	QPSK	36	39	22.44	22.38	22.32
15	QPSK	75	0	22.40	22.29	22.29
15	16QAM	1	0	22.68	22.55	22.48
15	16QAM	1	37	22.52	22.45	22.35
15	16QAM	1	74	22.45	22.29	22.27
15	16QAM	36	0	21.55	21.34	21.34
15	16QAM	36	20	21.48	21.29	21.28
15	16QAM	36	39	21.29	21.33	21.22
15	16QAM	75	0	21.22	21.14	21.10



LTE Band 41(Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	23.23	23.36	23.21
10	QPSK	1	25	23.17	23.20	23.22
10	QPSK	1	49	23.16	23.10	23.10
10	QPSK	25	0	22.58	22.51	22.48
10	QPSK	25	12	22.52	22.50	22.34
10	QPSK	25	25	22.49	22.39	22.24
10	QPSK	50	0	22.37	22.30	22.21
10	16QAM	1	0	22.66	22.55	22.49
10	16QAM	1	25	22.51	22.43	22.31
10	16QAM	1	49	22.42	22.25	22.18
10	16QAM	25	0	21.48	21.36	21.24
10	16QAM	25	12	21.45	21.27	21.27
10	16QAM	25	25	21.32	21.28	21.17
10	16QAM	50	0	21.12	21.12	21.08



LTE Band 41(Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	23.29	23.36	23.24
5	QPSK	1	12	23.25	23.28	23.22
5	QPSK	1	24	23.22	23.16	23.15
5	QPSK	12	0	22.58	22.57	22.51
5	QPSK	12	7	22.53	22.54	22.37
5	QPSK	12	13	22.45	22.40	22.30
5	QPSK	25	0	22.41	22.32	22.27
5	16QAM	1	0	22.69	22.58	22.46
5	16QAM	1	12	22.54	22.44	22.37
5	16QAM	1	24	22.45	22.32	22.25
5	16QAM	12	0	21.52	21.35	21.31
5	16QAM	12	7	21.42	21.32	21.31
5	16QAM	12	13	21.32	21.29	21.18
5	16QAM	25	0	21.15	21.14	21.06



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	22.29	22.41	22.38
20	QPSK	1	49	22.18	22.31	22.33
20	QPSK	1	99	22.04	22.20	22.19
20	QPSK	50	0	21.47	21.67	21.56
20	QPSK	50	24	21.41	21.52	21.43
20	QPSK	50	50	21.31	21.41	21.38
20	QPSK	100	0	21.28	21.35	21.24
20	16QAM	1	0	21.52	21.60	21.52
20	16QAM	1	49	21.44	21.48	21.48
20	16QAM	1	99	21.40	21.42	21.39
20	16QAM	50	0	20.50	20.51	20.57
20	16QAM	50	24	20.47	20.43	20.54
20	16QAM	50	50	20.41	20.33	20.47
20	16QAM	100	0	20.32	20.26	20.33



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	22.18	22.31	22.32
15	QPSK	1	37	22.08	22.23	22.27
15	QPSK	1	74	22.00	22.16	22.09
15	QPSK	36	0	21.38	21.62	21.52
15	QPSK	36	20	21.38	21.47	21.37
15	QPSK	36	39	21.25	21.30	21.27
15	QPSK	75	0	21.17	21.25	21.14
15	16QAM	1	0	21.41	21.53	21.41
15	16QAM	1	37	21.35	21.43	21.40
15	16QAM	1	74	21.29	21.37	21.35
15	16QAM	36	0	20.40	20.45	20.50
15	16QAM	36	20	20.40	20.36	20.48
15	16QAM	36	39	20.37	20.27	20.40
15	16QAM	75	0	20.22	20.17	20.27



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	22.22	22.33	22.30
10	QPSK	1	25	22.14	22.26	22.22
10	QPSK	1	49	22.00	22.14	22.08
10	QPSK	25	0	21.37	21.64	21.46
10	QPSK	25	12	21.35	21.46	21.37
10	QPSK	25	25	21.23	21.35	21.35
10	QPSK	50	0	21.17	21.30	21.18
10	16QAM	1	0	21.48	21.52	21.44
10	16QAM	1	25	21.34	21.44	21.39
10	16QAM	1	49	21.33	21.33	21.30
10	16QAM	25	0	20.40	20.43	20.52
10	16QAM	25	12	20.39	20.34	20.50
10	16QAM	25	25	20.38	20.30	20.43
10	16QAM	50	0	20.23	20.17	20.24



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	22.21	22.31	22.33
5	QPSK	1	12	22.13	22.27	22.24
5	QPSK	1	24	21.94	22.11	22.11
5	QPSK	12	0	21.36	21.56	21.53
5	QPSK	12	7	21.34	21.47	21.38
5	QPSK	12	13	21.25	21.35	21.33
5	QPSK	25	0	21.21	21.30	21.15
5	16QAM	1	0	21.42	21.51	21.43
5	16QAM	1	12	21.41	21.42	21.37
5	16QAM	1	24	21.33	21.35	21.30
5	16QAM	12	0	20.45	20.47	20.54
5	16QAM	12	7	20.41	20.35	20.47
5	16QAM	12	13	20.31	20.22	20.43
5	16QAM	25	0	20.27	20.18	20.27



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	22.24	22.30	22.27
3	QPSK	1	8	22.13	22.25	22.29
3	QPSK	1	14	21.98	22.17	22.10
3	QPSK	8	0	21.42	21.62	21.52
3	QPSK	8	4	21.38	21.47	21.32
3	QPSK	8	7	21.24	21.32	21.28
3	QPSK	15	0	21.22	21.30	21.17
3	16QAM	1	0	21.45	21.57	21.49
3	16QAM	1	8	21.41	21.37	21.43
3	16QAM	1	14	21.34	21.32	21.32
3	16QAM	8	0	20.44	20.41	20.50
3	16QAM	8	4	20.40	20.39	20.51
3	16QAM	8	7	20.37	20.29	20.42
3	16QAM	15	0	20.27	20.18	20.30



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	22.22	22.33	22.29
1.4	QPSK	1	3	22.13	22.23	22.27
1.4	QPSK	1	5	22.00	22.13	22.11
1.4	QPSK	3	0	21.40	21.59	21.51
1.4	QPSK	3	1	21.36	21.42	21.38
1.4	QPSK	3	3	21.26	21.34	21.28
1.4	QPSK	6	0	21.22	21.28	21.16
1.4	16QAM	1	0	21.49	21.55	21.48
1.4	16QAM	1	3	21.41	21.39	21.41
1.4	16QAM	1	5	21.30	21.37	21.36
1.4	16QAM	3	0	20.43	20.45	20.46
1.4	16QAM	3	1	20.44	20.36	20.45
1.4	16QAM	3	3	20.30	20.27	20.36
1.4	16QAM	6	0	20.27	20.17	20.24



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	22.63	22.67	22.60
20	QPSK	1	49	22.55	22.57	22.56
20	QPSK	1	99	22.42	22.48	22.54
20	QPSK	50	0	21.82	21.96	21.92
20	QPSK	50	24	21.79	21.92	21.85
20	QPSK	50	50	21.71	21.87	21.74
20	QPSK	100	0	21.60	21.83	21.63
20	16QAM	1	0	21.87	22.03	21.84
20	16QAM	1	49	21.75	21.97	21.69
20	16QAM	1	99	21.68	21.82	21.64
20	16QAM	50	0	20.75	20.88	20.78
20	16QAM	50	24	20.69	20.83	20.64
20	16QAM	50	50	20.63	20.75	20.55
20	16QAM	100	0	20.55	20.69	20.43



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)				670.8	680.5	690.5
15	QPSK	1	0	22.53	22.58	22.51
15	QPSK	1	37	22.47	22.49	22.53
15	QPSK	1	74	22.39	22.41	22.47
15	QPSK	36	0	21.73	21.90	21.84
15	QPSK	36	20	21.71	21.83	21.74
15	QPSK	36	39	21.61	21.84	21.68
15	QPSK	75	0	21.55	21.77	21.59
15	16QAM	1	0	21.83	21.99	21.75
15	16QAM	1	37	21.68	21.93	21.65
15	16QAM	1	74	21.59	21.75	21.57
15	16QAM	36	0	20.69	20.83	20.68
15	16QAM	36	20	20.64	20.79	20.60
15	16QAM	36	39	20.53	20.68	20.48
15	16QAM	75	0	20.46	20.61	20.34



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	22.56	22.60	22.51
10	QPSK	1	25	22.52	22.50	22.49
10	QPSK	1	49	22.33	22.43	22.50
10	QPSK	25	0	21.71	21.87	21.88
10	QPSK	25	12	21.69	21.86	21.74
10	QPSK	25	25	21.60	21.79	21.67
10	QPSK	50	0	21.51	21.74	21.56
10	16QAM	1	0	21.77	21.95	21.77
10	16QAM	1	25	21.71	21.92	21.65
10	16QAM	1	49	21.59	21.76	21.57
10	16QAM	25	0	20.65	20.82	20.73
10	16QAM	25	12	20.58	20.76	20.57
10	16QAM	25	25	20.57	20.68	20.51
10	16QAM	50	0	20.44	20.65	20.35



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5
5	QPSK	1	0	22.58	22.64	22.55
5	QPSK	1	12	22.46	22.48	22.51
5	QPSK	1	24	22.34	22.42	22.46
5	QPSK	12	0	21.74	21.92	21.85
5	QPSK	12	7	21.71	21.82	21.78
5	QPSK	12	13	21.61	21.80	21.69
5	QPSK	25	0	21.55	21.79	21.55
5	16QAM	1	0	21.81	21.99	21.76
5	16QAM	1	12	21.67	21.90	21.62
5	16QAM	1	24	21.61	21.78	21.55
5	16QAM	12	0	20.68	20.79	20.71
5	16QAM	12	7	20.64	20.72	20.56
5	16QAM	12	13	20.58	20.66	20.44
5	16QAM	25	0	20.46	20.64	20.33

**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	24.46	0.279	24.52	0.283	24.49	0.281
20	QPSK	1	49	24.40	0.275	24.37	0.274	24.37	0.274
20	QPSK	1	99	24.32	0.270	24.29	0.269	24.30	0.269
20	QPSK	50	0	23.79	0.239	23.80	0.240	23.77	0.238
20	QPSK	50	24	23.70	0.234	23.52	0.225	23.63	0.231
20	QPSK	50	50	23.59	0.229	23.40	0.219	23.57	0.228
20	QPSK	100	0	23.50	0.224	23.54	0.226	23.43	0.220
20	16QAM	1	0	23.77	0.238	23.61	0.230	23.70	0.234
20	16QAM	1	49	23.71	0.235	23.53	0.225	23.63	0.231
20	16QAM	1	99	23.67	0.233	23.40	0.219	23.52	0.225
20	16QAM	50	0	22.73	0.187	22.52	0.179	22.68	0.185
20	16QAM	50	24	22.67	0.185	22.45	0.176	22.55	0.180
20	16QAM	50	50	22.57	0.181	22.36	0.172	22.40	0.174
20	16QAM	100	0	22.54	0.179	22.32	0.171	22.28	0.169



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	24.43	0.277	24.44	0.278	24.42	0.277
15	QPSK	1	37	24.32	0.270	24.27	0.267	24.32	0.270
15	QPSK	1	74	24.26	0.267	24.23	0.265	24.26	0.267
15	QPSK	36	0	23.70	0.234	23.75	0.237	23.66	0.232
15	QPSK	36	20	23.66	0.232	23.48	0.223	23.56	0.227
15	QPSK	36	39	23.54	0.226	23.36	0.217	23.47	0.222
15	QPSK	75	0	23.45	0.221	23.50	0.224	23.36	0.217
15	16QAM	1	0	23.72	0.236	23.53	0.225	23.63	0.231
15	16QAM	1	37	23.60	0.229	23.45	0.221	23.55	0.226
15	16QAM	1	74	23.58	0.228	23.35	0.216	23.48	0.223
15	16QAM	36	0	22.69	0.186	22.45	0.176	22.61	0.182
15	16QAM	36	20	22.64	0.184	22.41	0.174	22.50	0.178
15	16QAM	36	39	22.52	0.179	22.32	0.171	22.32	0.171
15	16QAM	75	0	22.50	0.178	22.27	0.169	22.18	0.165



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	24.40	0.275	24.40	0.275	24.39	0.275
10	QPSK	1	25	24.22	0.264	24.21	0.264	24.23	0.265
10	QPSK	1	49	24.21	0.264	24.13	0.259	24.17	0.261
10	QPSK	25	0	23.65	0.232	23.66	0.232	23.63	0.231
10	QPSK	25	12	23.56	0.227	23.42	0.220	23.47	0.222
10	QPSK	25	25	23.49	0.223	23.26	0.212	23.37	0.217
10	QPSK	50	0	23.39	0.218	23.44	0.221	23.30	0.214
10	16QAM	1	0	23.65	0.232	23.44	0.221	23.60	0.229
10	16QAM	1	25	23.49	0.223	23.37	0.217	23.47	0.222
10	16QAM	1	49	23.51	0.224	23.29	0.213	23.43	0.220
10	16QAM	25	0	22.60	0.182	22.40	0.174	22.52	0.179
10	16QAM	25	12	22.56	0.180	22.32	0.171	22.40	0.174
10	16QAM	25	25	22.47	0.177	22.27	0.169	22.28	0.169
10	16QAM	50	0	22.45	0.176	22.22	0.167	22.14	0.164



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	24.35	0.272	24.33	0.271	24.34	0.272
5	QPSK	1	12	24.23	0.265	24.17	0.261	24.23	0.265
5	QPSK	1	24	24.17	0.261	24.13	0.259	24.15	0.260
5	QPSK	12	0	23.62	0.230	23.66	0.232	23.58	0.228
5	QPSK	12	7	23.57	0.228	23.40	0.219	23.45	0.221
5	QPSK	12	13	23.44	0.221	23.31	0.214	23.42	0.220
5	QPSK	25	0	23.39	0.218	23.43	0.220	23.30	0.214
5	16QAM	1	0	23.69	0.234	23.43	0.220	23.60	0.229
5	16QAM	1	12	23.53	0.225	23.38	0.218	23.44	0.221
5	16QAM	1	24	23.50	0.224	23.24	0.211	23.41	0.219
5	16QAM	12	0	22.60	0.182	22.41	0.174	22.54	0.179
5	16QAM	12	7	22.55	0.180	22.34	0.171	22.42	0.175
5	16QAM	12	13	22.47	0.177	22.25	0.168	22.28	0.169
5	16QAM	25	0	22.40	0.174	22.18	0.165	22.12	0.163



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	24.39	0.275	24.36	0.273	24.36	0.273
3	QPSK	1	8	24.28	0.268	24.16	0.261	24.27	0.267
3	QPSK	1	14	24.18	0.262	24.20	0.263	24.20	0.263
3	QPSK	8	0	23.63	0.231	23.67	0.233	23.60	0.229
3	QPSK	8	4	23.62	0.230	23.44	0.221	23.48	0.223
3	QPSK	8	7	23.48	0.223	23.31	0.214	23.36	0.217
3	QPSK	15	0	23.35	0.216	23.46	0.222	23.30	0.214
3	16QAM	1	0	23.62	0.230	23.46	0.222	23.55	0.226
3	16QAM	1	8	23.50	0.224	23.39	0.218	23.48	0.223
3	16QAM	1	14	23.53	0.225	23.26	0.212	23.43	0.220
3	16QAM	8	0	22.62	0.183	22.35	0.172	22.50	0.178
3	16QAM	8	4	22.58	0.181	22.37	0.173	22.46	0.176
3	16QAM	8	7	22.47	0.177	22.22	0.167	22.25	0.168
3	16QAM	15	0	22.40	0.174	22.18	0.165	22.14	0.164



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	24.36	0.273	24.36	0.273	24.33	0.271
1.4	QPSK	1	3	24.21	0.264	24.20	0.263	24.26	0.267
1.4	QPSK	1	5	24.18	0.262	24.18	0.262	24.17	0.261
1.4	QPSK	3	0	23.60	0.229	23.65	0.232	23.60	0.229
1.4	QPSK	3	1	23.62	0.230	23.38	0.218	23.48	0.223
1.4	QPSK	3	3	23.49	0.223	23.32	0.215	23.38	0.218
1.4	QPSK	6	0	23.34	0.216	23.45	0.221	23.32	0.215
1.4	16QAM	1	0	23.65	0.232	23.46	0.222	23.55	0.226
1.4	16QAM	1	3	23.51	0.224	23.41	0.219	23.49	0.223
1.4	16QAM	1	5	23.47	0.222	23.26	0.212	23.42	0.220
1.4	16QAM	3	0	22.65	0.184	22.38	0.173	22.52	0.179
1.4	16QAM	3	1	22.59	0.182	22.35	0.172	22.46	0.176
1.4	16QAM	3	3	22.48	0.177	22.23	0.167	22.25	0.168
1.4	16QAM	6	0	22.42	0.175	22.22	0.167	22.11	0.163



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.73	0.236	23.78	0.239	23.70	0.234
20	QPSK	1	49	23.63	0.231	23.75	0.237	23.62	0.230
20	QPSK	1	99	23.48	0.223	23.69	0.234	23.53	0.225
20	QPSK	50	0	22.93	0.196	23.05	0.202	22.91	0.195
20	QPSK	50	24	22.88	0.194	22.94	0.197	22.84	0.192
20	QPSK	50	50	22.78	0.190	22.88	0.194	22.70	0.186
20	QPSK	100	0	22.77	0.189	22.82	0.191	22.70	0.186
20	16QAM	1	0	22.90	0.195	23.02	0.200	22.83	0.192
20	16QAM	1	49	22.83	0.192	22.92	0.196	22.72	0.187
20	16QAM	1	99	22.79	0.190	22.86	0.193	22.65	0.184
20	16QAM	50	0	21.91	0.155	21.99	0.158	21.76	0.150
20	16QAM	50	24	21.80	0.151	21.87	0.154	21.68	0.147
20	16QAM	50	50	21.70	0.148	21.77	0.150	21.61	0.145
20	16QAM	100	0	21.67	0.147	21.67	0.147	21.48	0.141



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.70	0.234	23.73	0.236	23.66	0.232
15	QPSK	1	37	23.56	0.227	23.68	0.233	23.58	0.228
15	QPSK	1	74	23.39	0.218	23.60	0.229	23.49	0.223
15	QPSK	36	0	22.84	0.192	23.00	0.200	22.84	0.192
15	QPSK	36	20	22.80	0.191	22.90	0.195	22.77	0.189
15	QPSK	36	39	22.70	0.186	22.84	0.192	22.59	0.182
15	QPSK	75	0	22.74	0.188	22.77	0.189	22.62	0.183
15	16QAM	1	0	22.80	0.191	22.92	0.196	22.75	0.188
15	16QAM	1	37	22.79	0.190	22.87	0.194	22.68	0.185
15	16QAM	1	74	22.73	0.187	22.76	0.189	22.57	0.181
15	16QAM	36	0	21.83	0.152	21.90	0.155	21.66	0.147
15	16QAM	36	20	21.72	0.149	21.81	0.152	21.57	0.144
15	16QAM	36	39	21.61	0.145	21.73	0.149	21.51	0.142
15	16QAM	75	0	21.58	0.144	21.61	0.145	21.39	0.138



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	23.70	0.234	23.73	0.236	23.66	0.232
10	QPSK	1	25	23.56	0.227	23.68	0.233	23.58	0.228
10	QPSK	1	49	23.39	0.218	23.60	0.229	23.49	0.223
10	QPSK	25	0	22.84	0.192	23.00	0.200	22.84	0.192
10	QPSK	25	12	22.80	0.191	22.90	0.195	22.77	0.189
10	QPSK	25	25	22.70	0.186	22.84	0.192	22.59	0.182
10	QPSK	50	0	22.74	0.188	22.77	0.189	22.62	0.183
10	16QAM	1	0	22.80	0.191	22.92	0.196	22.75	0.188
10	16QAM	1	25	22.79	0.190	22.87	0.194	22.68	0.185
10	16QAM	1	49	22.73	0.187	22.76	0.189	22.57	0.181
10	16QAM	25	0	21.83	0.152	21.90	0.155	21.66	0.147
10	16QAM	25	12	21.72	0.149	21.81	0.152	21.57	0.144
10	16QAM	25	25	21.61	0.145	21.73	0.149	21.51	0.142
10	16QAM	50	0	21.58	0.144	21.61	0.145	21.39	0.138



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	23.69	0.234	23.73	0.236	23.64	0.231
5	QPSK	1	12	23.59	0.229	23.71	0.235	23.54	0.226
5	QPSK	1	24	23.41	0.219	23.61	0.230	23.44	0.221
5	QPSK	12	0	22.82	0.191	23.01	0.200	22.86	0.193
5	QPSK	12	7	22.83	0.192	22.89	0.195	22.78	0.190
5	QPSK	12	13	22.74	0.188	22.78	0.190	22.61	0.182
5	QPSK	25	0	22.70	0.186	22.78	0.190	22.66	0.185
5	16QAM	1	0	22.80	0.191	22.99	0.199	22.80	0.191
5	16QAM	1	12	22.77	0.189	22.84	0.192	22.63	0.183
5	16QAM	1	24	22.75	0.188	22.77	0.189	22.54	0.179
5	16QAM	12	0	21.86	0.153	21.89	0.155	21.68	0.147
5	16QAM	12	7	21.72	0.149	21.80	0.151	21.58	0.144
5	16QAM	12	13	21.64	0.146	21.73	0.149	21.53	0.142
5	16QAM	25	0	21.60	0.145	21.59	0.144	21.43	0.139



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	23.64	0.231	23.75	0.237	23.63	0.231
3	QPSK	1	8	23.56	0.227	23.68	0.233	23.55	0.226
3	QPSK	1	14	23.39	0.218	23.66	0.232	23.49	0.223
3	QPSK	8	0	22.89	0.195	23.02	0.200	22.84	0.192
3	QPSK	8	4	22.82	0.191	22.85	0.193	22.75	0.188
3	QPSK	8	7	22.70	0.186	22.82	0.191	22.65	0.184
3	QPSK	15	0	22.70	0.186	22.77	0.189	22.66	0.185
3	16QAM	1	0	22.85	0.193	22.93	0.196	22.76	0.189
3	16QAM	1	8	22.80	0.191	22.89	0.195	22.62	0.183
3	16QAM	1	14	22.71	0.187	22.82	0.191	22.57	0.181
3	16QAM	8	0	21.82	0.152	21.93	0.156	21.66	0.147
3	16QAM	8	4	21.75	0.150	21.79	0.151	21.62	0.145
3	16QAM	8	7	21.60	0.145	21.71	0.148	21.55	0.143
3	16QAM	15	0	21.56	0.143	21.58	0.144	21.43	0.139



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.66	0.232	23.68	0.233	23.66	0.232
1.4	QPSK	1	3	23.54	0.226	23.69	0.234	23.53	0.225
1.4	QPSK	1	5	23.41	0.219	23.60	0.229	23.48	0.223
1.4	QPSK	3	0	22.88	0.194	22.96	0.198	22.86	0.193
1.4	QPSK	3	1	22.84	0.192	22.89	0.195	22.75	0.188
1.4	QPSK	3	3	22.70	0.186	22.84	0.192	22.66	0.185
1.4	QPSK	6	0	22.69	0.186	22.74	0.188	22.66	0.185
1.4	16QAM	1	0	22.87	0.194	22.97	0.198	22.76	0.189
1.4	16QAM	1	3	22.73	0.187	22.86	0.193	22.65	0.184
1.4	16QAM	1	5	22.75	0.188	22.80	0.191	22.57	0.181
1.4	16QAM	3	0	21.85	0.153	21.91	0.155	21.66	0.147
1.4	16QAM	3	1	21.76	0.150	21.77	0.150	21.62	0.145
1.4	16QAM	3	3	21.59	0.144	21.71	0.148	21.54	0.143
1.4	16QAM	6	0	21.56	0.143	21.58	0.144	21.40	0.138



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.35	0.136	21.40	0.138	21.33	0.136
10	QPSK	1	25	21.24	0.133	21.35	0.136	21.21	0.132
10	QPSK	1	49	21.22	0.132	21.25	0.133	21.11	0.129
10	QPSK	25	0	20.66	0.116	20.70	0.117	20.53	0.113
10	QPSK	25	12	20.52	0.113	20.58	0.114	20.44	0.111
10	QPSK	25	25	20.38	0.109	20.50	0.112	20.30	0.107
10	QPSK	50	0	20.26	0.106	20.42	0.110	20.19	0.104
10	16QAM	1	0	20.49	0.112	20.68	0.117	20.42	0.110
10	16QAM	1	25	20.41	0.110	20.58	0.114	20.33	0.108
10	16QAM	1	49	20.35	0.108	20.54	0.113	20.20	0.105
10	16QAM	25	0	19.50	0.089	19.63	0.092	19.32	0.086
10	16QAM	25	12	19.36	0.086	19.56	0.090	19.25	0.084
10	16QAM	25	25	19.31	0.085	19.49	0.089	19.16	0.082
10	16QAM	50	0	19.26	0.084	19.43	0.088	19.10	0.081



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.31	0.135	21.33	0.136	21.28	0.134
5	QPSK	1	12	21.21	0.132	21.27	0.134	21.12	0.129
5	QPSK	1	24	21.14	0.130	21.19	0.132	21.07	0.128
5	QPSK	12	0	20.57	0.114	20.63	0.116	20.47	0.111
5	QPSK	12	7	20.48	0.112	20.54	0.113	20.35	0.108
5	QPSK	12	13	20.28	0.107	20.46	0.111	20.20	0.105
5	QPSK	25	0	20.22	0.105	20.38	0.109	20.11	0.103
5	16QAM	1	0	20.44	0.111	20.60	0.115	20.33	0.108
5	16QAM	1	12	20.32	0.108	20.52	0.113	20.28	0.107
5	16QAM	1	24	20.30	0.107	20.44	0.111	20.12	0.103
5	16QAM	12	0	19.45	0.088	19.53	0.090	19.21	0.083
5	16QAM	12	7	19.30	0.085	19.49	0.089	19.16	0.082
5	16QAM	12	13	19.22	0.084	19.45	0.088	19.05	0.080
5	16QAM	25	0	19.16	0.082	19.38	0.087	19.05	0.080



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.26	0.134	21.29	0.135	21.24	0.133
3	QPSK	1	8	21.13	0.130	21.28	0.134	21.18	0.131
3	QPSK	1	14	21.13	0.130	21.18	0.131	21.00	0.126
3	QPSK	8	0	20.60	0.115	20.64	0.116	20.50	0.112
3	QPSK	8	4	20.46	0.111	20.50	0.112	20.38	0.109
3	QPSK	8	7	20.28	0.107	20.40	0.110	20.25	0.106
3	QPSK	15	0	20.17	0.104	20.33	0.108	20.14	0.103
3	16QAM	1	0	20.41	0.110	20.61	0.115	20.38	0.109
3	16QAM	1	8	20.36	0.109	20.47	0.111	20.28	0.107
3	16QAM	1	14	20.28	0.107	20.44	0.111	20.17	0.104
3	16QAM	8	0	19.45	0.088	19.52	0.090	19.22	0.084
3	16QAM	8	4	19.26	0.084	19.51	0.089	19.19	0.083
3	16QAM	8	7	19.24	0.084	19.38	0.087	19.13	0.082
3	16QAM	15	0	19.22	0.084	19.37	0.086	19.02	0.080



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.29	0.135	21.34	0.136	21.24	0.133
1.4	QPSK	1	3	21.19	0.132	21.26	0.134	21.14	0.130
1.4	QPSK	1	5	21.19	0.132	21.17	0.131	21.06	0.128
1.4	QPSK	3	0	20.57	0.114	20.64	0.116	20.44	0.111
1.4	QPSK	3	1	20.46	0.111	20.54	0.113	20.37	0.109
1.4	QPSK	3	3	20.32	0.108	20.45	0.111	20.25	0.106
1.4	QPSK	6	0	20.17	0.104	20.38	0.109	20.12	0.103
1.4	16QAM	1	0	20.39	0.109	20.62	0.115	20.38	0.109
1.4	16QAM	1	3	20.30	0.107	20.52	0.113	20.27	0.106
1.4	16QAM	1	5	20.32	0.108	20.44	0.111	20.12	0.103
1.4	16QAM	3	0	19.40	0.087	19.55	0.090	19.25	0.084
1.4	16QAM	3	1	19.32	0.086	19.47	0.089	19.14	0.082
1.4	16QAM	3	3	19.27	0.085	19.38	0.087	19.12	0.082
1.4	16QAM	6	0	19.19	0.083	19.37	0.086	19.00	0.079



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	19.68	0.093	19.71	0.094	19.69	0.093
10	QPSK	1	25	19.54	0.090	19.60	0.091	19.56	0.090
10	QPSK	1	49	19.45	0.088	19.52	0.090	19.53	0.090
10	QPSK	25	0	18.92	0.078	18.99	0.079	18.88	0.077
10	QPSK	25	12	18.84	0.077	18.96	0.079	18.77	0.075
10	QPSK	25	25	18.72	0.074	18.86	0.077	18.74	0.075
10	QPSK	50	0	18.68	0.074	18.83	0.076	18.67	0.074
10	16QAM	1	0	18.91	0.078	19.04	0.080	18.93	0.078
10	16QAM	1	25	18.88	0.077	18.98	0.079	18.86	0.077
10	16QAM	1	49	18.78	0.076	18.89	0.077	18.79	0.076
10	16QAM	25	0	17.96	0.063	17.97	0.063	17.86	0.061
10	16QAM	25	12	17.84	0.061	17.89	0.062	17.81	0.060
10	16QAM	25	25	17.71	0.059	17.83	0.061	17.66	0.058
10	16QAM	50	0	17.68	0.059	17.74	0.059	17.55	0.057



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	19.44	0.088	19.55	0.090	19.47	0.089
5	QPSK	1	12	19.37	0.086	19.44	0.088	19.49	0.089
5	QPSK	1	24	18.85	0.077	18.96	0.079	18.77	0.075
5	QPSK	12	0	18.76	0.075	18.89	0.077	18.70	0.074
5	QPSK	12	7	18.63	0.073	18.77	0.075	18.63	0.073
5	QPSK	12	13	18.59	0.072	18.77	0.075	18.61	0.073
5	QPSK	25	0	18.88	0.077	18.96	0.079	18.87	0.077
5	16QAM	1	0	18.79	0.076	18.90	0.078	18.79	0.076
5	16QAM	1	12	18.70	0.074	18.79	0.076	18.74	0.075
5	16QAM	1	24	17.92	0.062	17.88	0.061	17.79	0.060
5	16QAM	12	0	17.78	0.060	17.83	0.061	17.70	0.059
5	16QAM	12	7	17.60	0.058	17.72	0.059	17.62	0.058
5	16QAM	12	13	17.61	0.058	17.66	0.058	17.45	0.056
5	16QAM	25	0	19.44	0.088	19.55	0.090	19.47	0.089



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	19.62	0.092	19.61	0.091	19.59	0.091
3	QPSK	1	8	19.50	0.089	19.54	0.090	19.47	0.089
3	QPSK	1	14	19.37	0.086	19.45	0.088	19.43	0.088
3	QPSK	8	0	18.87	0.077	18.92	0.078	18.79	0.076
3	QPSK	8	4	18.77	0.075	18.92	0.078	18.66	0.073
3	QPSK	8	7	18.66	0.073	18.78	0.076	18.68	0.074
3	QPSK	15	0	18.64	0.073	18.75	0.075	18.61	0.073
3	16QAM	1	0	18.81	0.076	18.95	0.079	18.82	0.076
3	16QAM	1	8	18.80	0.076	18.90	0.078	18.77	0.075
3	16QAM	1	14	18.70	0.074	18.79	0.076	18.71	0.074
3	16QAM	8	0	17.92	0.062	17.89	0.062	17.83	0.061
3	16QAM	8	4	17.80	0.060	17.83	0.061	17.71	0.059
3	16QAM	8	7	17.64	0.058	17.79	0.060	17.57	0.057
3	16QAM	15	0	17.58	0.057	17.70	0.059	17.48	0.056



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	19.60	0.091	19.67	0.093	19.65	0.092
1.4	QPSK	1	3	19.50	0.089	19.54	0.090	19.48	0.089
1.4	QPSK	1	5	19.39	0.087	19.49	0.089	19.46	0.088
1.4	QPSK	3	0	18.83	0.076	18.94	0.078	18.84	0.077
1.4	QPSK	3	1	18.80	0.076	18.89	0.077	18.68	0.074
1.4	QPSK	3	3	18.69	0.074	18.81	0.076	18.68	0.074
1.4	QPSK	6	0	18.58	0.072	18.73	0.075	18.56	0.072
1.4	16QAM	1	0	18.80	0.076	18.95	0.079	18.86	0.077
1.4	16QAM	1	3	18.78	0.076	18.91	0.078	18.78	0.076
1.4	16QAM	1	5	18.72	0.074	18.86	0.077	18.72	0.074
1.4	16QAM	3	0	17.91	0.062	17.90	0.062	17.78	0.060
1.4	16QAM	3	1	17.79	0.060	17.82	0.061	17.76	0.060
1.4	16QAM	3	3	17.63	0.058	17.79	0.060	17.58	0.057
1.4	16QAM	6	0	17.58	0.057	17.70	0.059	17.46	0.056



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.69	0.093	19.70	0.093	19.65	0.092
10	QPSK	1	25	19.58	0.091	19.67	0.093	19.54	0.090
10	QPSK	1	49	19.45	0.088	19.56	0.090	19.42	0.087
10	QPSK	25	0	18.89	0.077	18.95	0.079	18.78	0.076
10	QPSK	25	12	18.82	0.076	18.80	0.076	18.69	0.074
10	QPSK	25	25	18.73	0.075	18.70	0.074	18.54	0.071
10	QPSK	50	0	18.67	0.074	18.68	0.074	18.41	0.069
10	16QAM	1	0	18.87	0.077	18.91	0.078	18.62	0.073
10	16QAM	1	25	18.73	0.075	18.77	0.075	18.58	0.072
10	16QAM	1	49	18.60	0.072	18.63	0.073	18.45	0.070
10	16QAM	25	0	17.77	0.060	17.76	0.060	17.63	0.058
10	16QAM	25	12	17.65	0.058	17.62	0.058	17.53	0.057
10	16QAM	25	25	17.50	0.056	17.47	0.056	17.51	0.056
10	16QAM	50	0	17.48	0.056	17.35	0.054	17.39	0.055



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.64	0.092	19.66	0.092	19.55	0.090
5	QPSK	1	12	19.48	0.089	19.58	0.091	19.47	0.089
5	QPSK	1	24	19.34	0.086	19.47	0.089	19.33	0.086
5	QPSK	12	0	18.84	0.077	18.85	0.077	18.74	0.075
5	QPSK	12	7	18.77	0.075	18.74	0.075	18.59	0.072
5	QPSK	12	13	18.69	0.074	18.60	0.072	18.47	0.070
5	QPSK	25	0	18.58	0.072	18.56	0.072	18.34	0.068
5	16QAM	1	0	18.81	0.076	18.81	0.076	18.53	0.071
5	16QAM	1	12	18.65	0.073	18.70	0.074	18.54	0.071
5	16QAM	1	24	18.51	0.071	18.59	0.072	18.38	0.069
5	16QAM	12	0	17.74	0.059	17.66	0.058	17.55	0.057
5	16QAM	12	7	17.55	0.057	17.56	0.057	17.45	0.056
5	16QAM	12	13	17.40	0.055	17.43	0.055	17.44	0.055
5	16QAM	25	0	17.38	0.055	17.28	0.053	17.32	0.054



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26140		26365		26590	
Frequency (MHz)				1860		1882.5		1905	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.50	0.282	24.56	0.286	24.54	0.284
20	QPSK	1	49	24.37	0.274	24.42	0.277	24.45	0.279
20	QPSK	1	99	24.29	0.269	24.37	0.274	24.37	0.274
20	QPSK	50	0	23.76	0.238	23.82	0.241	23.80	0.240
20	QPSK	50	24	23.61	0.230	23.68	0.233	23.65	0.232
20	QPSK	50	50	23.54	0.226	23.58	0.228	23.63	0.231
20	QPSK	100	0	23.46	0.222	23.53	0.225	23.51	0.224
20	16QAM	1	0	23.67	0.233	23.75	0.237	23.78	0.239
20	16QAM	1	49	23.64	0.231	23.63	0.231	23.73	0.236
20	16QAM	1	99	23.57	0.228	23.54	0.226	23.61	0.230
20	16QAM	50	0	22.74	0.188	22.60	0.182	22.70	0.186
20	16QAM	50	24	22.67	0.185	22.57	0.181	22.60	0.182
20	16QAM	50	50	22.56	0.180	22.49	0.177	22.47	0.177
20	16QAM	100	0	22.48	0.177	22.45	0.176	22.44	0.175



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26115		26365		26615	
Frequency (MHz)				1857.5		1882.5		1907.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.46	0.279	24.53	0.284	24.49	0.281
15	QPSK	1	37	24.31	0.270	24.37	0.274	24.36	0.273
15	QPSK	1	74	24.21	0.264	24.34	0.272	24.34	0.272
15	QPSK	36	0	23.72	0.236	23.74	0.237	23.72	0.236
15	QPSK	36	20	23.53	0.225	23.60	0.229	23.57	0.228
15	QPSK	36	39	23.47	0.222	23.51	0.224	23.53	0.225
15	QPSK	75	0	23.43	0.220	23.45	0.221	23.48	0.223
15	16QAM	1	0	23.62	0.230	23.71	0.235	23.69	0.234
15	16QAM	1	37	23.54	0.226	23.56	0.227	23.67	0.233
15	16QAM	1	74	23.54	0.226	23.43	0.220	23.57	0.228
15	16QAM	36	0	22.70	0.186	22.52	0.179	22.64	0.184
15	16QAM	36	20	22.57	0.181	22.50	0.178	22.54	0.179
15	16QAM	36	39	22.47	0.177	22.39	0.173	22.43	0.175
15	16QAM	75	0	22.44	0.175	22.35	0.172	22.35	0.172



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26090		26365		26640	
Frequency (MHz)				1855		1882.5		1910	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.40	0.275	24.53	0.284	24.44	0.278
10	QPSK	1	25	24.30	0.269	24.35	0.272	24.34	0.272
10	QPSK	1	49	24.24	0.265	24.29	0.269	24.29	0.269
10	QPSK	25	0	23.66	0.232	23.78	0.239	23.71	0.235
10	QPSK	25	12	23.54	0.226	23.64	0.231	23.57	0.228
10	QPSK	25	25	23.48	0.223	23.51	0.224	23.57	0.228
10	QPSK	50	0	23.40	0.219	23.41	0.219	23.40	0.219
10	16QAM	1	0	23.60	0.229	23.71	0.235	23.71	0.235
10	16QAM	1	25	23.54	0.226	23.53	0.225	23.66	0.232
10	16QAM	1	49	23.50	0.224	23.44	0.221	23.52	0.225
10	16QAM	25	0	22.64	0.184	22.57	0.181	22.63	0.183
10	16QAM	25	12	22.59	0.182	22.47	0.177	22.55	0.180
10	16QAM	25	25	22.50	0.178	22.39	0.173	22.41	0.174
10	16QAM	50	0	22.44	0.175	22.41	0.174	22.36	0.172



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26065		26365		26665	
Frequency (MHz)				1852.5		1882.5		1912.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.44	0.278	24.52	0.283	24.49	0.281
5	QPSK	1	12	24.31	0.270	24.38	0.274	24.41	0.276
5	QPSK	1	24	24.25	0.266	24.32	0.270	24.33	0.271
5	QPSK	12	0	23.67	0.233	23.78	0.239	23.71	0.235
5	QPSK	12	7	23.54	0.226	23.60	0.229	23.62	0.230
5	QPSK	12	13	23.44	0.221	23.54	0.226	23.56	0.227
5	QPSK	25	0	23.38	0.218	23.42	0.220	23.44	0.221
5	16QAM	1	0	23.62	0.230	23.67	0.233	23.71	0.235
5	16QAM	1	12	23.53	0.225	23.52	0.225	23.70	0.234
5	16QAM	1	24	23.51	0.224	23.45	0.221	23.55	0.226
5	16QAM	12	0	22.63	0.183	22.50	0.178	22.61	0.182
5	16QAM	12	7	22.59	0.182	22.53	0.179	22.51	0.178
5	16QAM	12	13	22.49	0.177	22.42	0.175	22.44	0.175
5	16QAM	25	0	22.40	0.174	22.35	0.172	22.33	0.171



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26055		26365		26675	
Frequency (MHz)				1851.5		1882.5		1913.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.45	0.279	24.46	0.279	24.46	0.279
3	QPSK	1	8	24.33	0.271	24.33	0.271	24.36	0.273
3	QPSK	1	14	24.24	0.265	24.32	0.270	24.28	0.268
3	QPSK	8	0	23.72	0.236	23.72	0.236	23.76	0.238
3	QPSK	8	4	23.55	0.226	23.63	0.231	23.54	0.226
3	QPSK	8	7	23.47	0.222	23.53	0.225	23.55	0.226
3	QPSK	15	0	23.40	0.219	23.41	0.219	23.44	0.221
3	16QAM	1	0	23.58	0.228	23.65	0.232	23.67	0.233
3	16QAM	1	8	23.58	0.228	23.55	0.226	23.66	0.232
3	16QAM	1	14	23.51	0.224	23.49	0.223	23.51	0.224
3	16QAM	8	0	22.63	0.183	22.50	0.178	22.60	0.182
3	16QAM	8	4	22.62	0.183	22.51	0.178	22.54	0.179
3	16QAM	8	7	22.49	0.177	22.41	0.174	22.36	0.172
3	16QAM	15	0	22.37	0.173	22.34	0.171	22.35	0.172



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26047		26365		26683	
Frequency (MHz)				1850.7		1882.5		1914.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.46	0.279	24.46	0.279	24.49	0.281
1.4	QPSK	1	3	24.30	0.269	24.38	0.274	24.38	0.274
1.4	QPSK	1	5	24.22	0.264	24.32	0.270	24.26	0.267
1.4	QPSK	3	0	23.71	0.235	23.74	0.237	23.74	0.237
1.4	QPSK	3	1	23.50	0.224	23.61	0.230	23.57	0.228
1.4	QPSK	3	3	23.51	0.224	23.48	0.223	23.55	0.226
1.4	QPSK	6	0	23.40	0.219	23.42	0.220	23.40	0.219
1.4	16QAM	1	0	23.57	0.228	23.71	0.235	23.71	0.235
1.4	16QAM	1	3	23.57	0.228	23.52	0.225	23.64	0.231
1.4	16QAM	1	5	23.46	0.222	23.50	0.224	23.58	0.228
1.4	16QAM	3	0	22.69	0.186	22.55	0.180	22.65	0.184
1.4	16QAM	3	1	22.61	0.182	22.47	0.177	22.50	0.178
1.4	16QAM	3	3	22.51	0.178	22.40	0.174	22.43	0.175
1.4	16QAM	6	0	22.43	0.175	22.40	0.174	22.35	0.172



LTE Band 26				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26865		26915		26965	
Frequency (MHz)				831.5		836.5		841.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.38	0.137	21.36	0.137	21.36	0.137
15	QPSK	1	37	21.24	0.133	21.27	0.134	21.33	0.136
15	QPSK	1	74	21.22	0.132	21.19	0.132	21.20	0.132
15	QPSK	36	0	20.71	0.118	20.63	0.116	20.56	0.114
15	QPSK	36	20	20.56	0.114	20.52	0.113	20.52	0.113
15	QPSK	36	39	20.43	0.110	20.42	0.110	20.46	0.111
15	QPSK	75	0	20.43	0.110	20.35	0.108	20.33	0.108
15	16QAM	1	0	20.58	0.114	20.57	0.114	20.56	0.114
15	16QAM	1	37	20.55	0.114	20.49	0.112	20.47	0.111
15	16QAM	1	74	20.50	0.112	20.39	0.109	20.34	0.108
15	16QAM	36	0	19.58	0.091	19.51	0.089	19.47	0.089
15	16QAM	36	20	19.47	0.089	19.40	0.087	19.36	0.086
15	16QAM	36	39	19.41	0.087	19.32	0.086	19.31	0.085
15	16QAM	75	0	19.27	0.085	19.25	0.084	19.24	0.084



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.25	0.133	21.21	0.132	21.26	0.134
10	QPSK	1	25	21.19	0.132	21.20	0.132	21.25	0.133
10	QPSK	1	49	21.08	0.128	21.15	0.130	21.16	0.131
10	QPSK	25	0	20.47	0.111	20.44	0.111	20.50	0.112
10	QPSK	25	12	20.33	0.108	20.30	0.107	20.42	0.110
10	QPSK	25	25	20.30	0.107	20.36	0.109	20.37	0.109
10	QPSK	50	0	20.21	0.105	20.21	0.105	20.28	0.107
10	16QAM	1	0	20.38	0.109	20.39	0.109	20.48	0.112
10	16QAM	1	25	20.37	0.109	20.29	0.107	20.39	0.109
10	16QAM	1	49	20.30	0.107	20.23	0.105	20.31	0.107
10	16QAM	25	0	19.34	0.086	19.37	0.086	19.43	0.088
10	16QAM	25	12	19.20	0.083	19.20	0.083	19.25	0.084
10	16QAM	25	25	19.15	0.082	19.15	0.082	19.27	0.085
10	16QAM	50	0	19.16	0.082	19.12	0.082	19.18	0.083



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.29	0.135	21.26	0.134	21.30	0.135
5	QPSK	1	12	21.24	0.133	21.21	0.132	21.25	0.133
5	QPSK	1	24	21.10	0.129	21.11	0.129	21.14	0.130
5	QPSK	12	0	20.46	0.111	20.40	0.110	20.51	0.112
5	QPSK	12	7	20.35	0.108	20.39	0.109	20.44	0.111
5	QPSK	12	13	20.34	0.108	20.29	0.107	20.40	0.110
5	QPSK	25	0	20.19	0.104	20.13	0.103	20.23	0.105
5	16QAM	1	0	20.37	0.109	20.39	0.109	20.48	0.112
5	16QAM	1	12	20.39	0.109	20.35	0.108	20.40	0.110
5	16QAM	1	24	20.20	0.105	20.15	0.104	20.26	0.106
5	16QAM	12	0	19.37	0.086	19.36	0.086	19.44	0.088
5	16QAM	12	7	19.24	0.084	19.21	0.083	19.30	0.085
5	16QAM	12	13	19.19	0.083	19.18	0.083	19.22	0.084
5	16QAM	25	0	19.10	0.081	19.05	0.080	19.16	0.082



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.28	0.134	21.23	0.133	21.32	0.136
3	QPSK	1	8	21.27	0.134	21.24	0.133	21.30	0.135
3	QPSK	1	14	21.02	0.126	21.07	0.128	21.12	0.129
3	QPSK	8	0	20.41	0.110	20.50	0.112	20.51	0.112
3	QPSK	8	4	20.40	0.110	20.40	0.110	20.47	0.111
3	QPSK	8	7	20.35	0.108	20.31	0.107	20.41	0.110
3	QPSK	15	0	20.16	0.104	20.18	0.104	20.26	0.106
3	16QAM	1	0	20.42	0.110	20.42	0.110	20.48	0.112
3	16QAM	1	8	20.35	0.108	20.39	0.109	20.43	0.110
3	16QAM	1	14	20.18	0.104	20.16	0.104	20.25	0.106
3	16QAM	8	0	19.33	0.086	19.32	0.086	19.40	0.087
3	16QAM	8	4	19.28	0.085	19.26	0.084	19.29	0.085
3	16QAM	8	7	19.26	0.084	19.19	0.083	19.28	0.085
3	16QAM	15	0	19.03	0.080	19.05	0.080	19.15	0.082



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.24	0.133	21.29	0.135	21.32	0.136
1.4	QPSK	1	3	21.24	0.133	21.15	0.130	21.26	0.134
1.4	QPSK	1	5	21.08	0.128	21.06	0.128	21.13	0.130
1.4	QPSK	3	0	20.43	0.110	20.38	0.109	20.49	0.112
1.4	QPSK	3	1	20.44	0.111	20.44	0.111	20.46	0.111
1.4	QPSK	3	3	20.33	0.108	20.32	0.108	20.40	0.110
1.4	QPSK	6	0	20.21	0.105	20.19	0.104	20.29	0.107
1.4	16QAM	1	0	20.48	0.112	20.39	0.109	20.51	0.112
1.4	16QAM	1	3	20.29	0.107	20.28	0.107	20.37	0.109
1.4	16QAM	1	5	20.27	0.106	20.22	0.105	20.31	0.107
1.4	16QAM	3	0	19.33	0.086	19.30	0.085	19.37	0.086
1.4	16QAM	3	1	19.16	0.082	19.23	0.084	19.27	0.085
1.4	16QAM	3	3	19.15	0.082	19.18	0.083	19.23	0.084
1.4	16QAM	6	0	19.13	0.082	19.10	0.081	19.19	0.083



LTE Band 41(Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.15	0.260	24.22	0.264	24.20	0.263
20	QPSK	1	49	24.12	0.258	24.13	0.259	24.11	0.258
20	QPSK	1	99	23.99	0.251	24.08	0.256	24.01	0.252
20	QPSK	50	0	23.36	0.217	23.48	0.223	23.45	0.221
20	QPSK	50	24	23.32	0.215	23.38	0.218	23.42	0.220
20	QPSK	50	50	23.29	0.213	23.26	0.212	23.36	0.217
20	QPSK	100	0	23.16	0.207	23.30	0.214	23.27	0.212
20	16QAM	1	0	23.43	0.220	23.38	0.218	23.48	0.223
20	16QAM	1	49	23.38	0.218	23.25	0.211	23.33	0.215
20	16QAM	1	99	23.34	0.216	23.10	0.204	23.21	0.209
20	16QAM	50	0	22.51	0.178	22.24	0.167	22.28	0.169
20	16QAM	50	24	22.46	0.176	22.11	0.163	22.25	0.168
20	16QAM	50	50	22.38	0.173	21.97	0.157	22.17	0.165
20	16QAM	100	0	22.29	0.169	21.85	0.153	22.14	0.164



LTE Band 41(Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.05	0.254	24.08	0.256	24.13	0.259
15	QPSK	1	37	23.98	0.250	24.00	0.251	24.02	0.252
15	QPSK	1	74	23.86	0.243	23.98	0.250	23.90	0.245
15	QPSK	36	0	23.24	0.211	23.42	0.220	23.37	0.217
15	QPSK	36	20	23.22	0.210	23.30	0.214	23.36	0.217
15	QPSK	36	39	23.22	0.210	23.17	0.207	23.23	0.210
15	QPSK	75	0	23.06	0.202	23.04	0.201	23.18	0.208
15	16QAM	1	0	23.33	0.215	23.31	0.214	23.39	0.218
15	16QAM	1	37	23.28	0.213	23.16	0.207	23.21	0.209
15	16QAM	1	74	23.26	0.212	23.01	0.200	23.07	0.203
15	16QAM	36	0	22.44	0.175	22.11	0.163	22.21	0.166
15	16QAM	36	20	22.36	0.172	21.97	0.157	22.11	0.163
15	16QAM	36	39	22.28	0.169	21.83	0.152	22.09	0.162
15	16QAM	75	0	22.20	0.166	21.71	0.148	22.07	0.161



LTE Band 41(Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.06	0.255	24.15	0.260	24.12	0.258
10	QPSK	1	25	24.01	0.252	24.09	0.256	24.01	0.252
10	QPSK	1	49	23.96	0.249	24.02	0.252	23.95	0.248
10	QPSK	25	0	23.30	0.214	23.38	0.218	23.40	0.219
10	QPSK	25	12	23.22	0.210	23.28	0.213	23.33	0.215
10	QPSK	25	25	23.22	0.210	23.21	0.209	23.26	0.212
10	QPSK	50	0	23.13	0.206	23.11	0.205	23.20	0.209
10	16QAM	1	0	23.32	0.215	23.31	0.214	23.43	0.220
10	16QAM	1	25	23.30	0.214	23.15	0.207	23.28	0.213
10	16QAM	1	49	23.25	0.211	23.00	0.200	23.16	0.207
10	16QAM	25	0	22.43	0.175	22.20	0.166	22.21	0.166
10	16QAM	25	12	22.37	0.173	22.07	0.161	22.20	0.166
10	16QAM	25	25	22.31	0.170	21.92	0.156	22.08	0.161
10	16QAM	50	0	22.23	0.167	21.81	0.152	22.09	0.162



LTE Band 41(Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.11	0.258	24.19	0.262	24.11	0.258
5	QPSK	1	12	24.05	0.254	24.06	0.255	24.07	0.255
5	QPSK	1	24	23.88	0.244	24.03	0.253	23.93	0.247
5	QPSK	12	0	23.27	0.212	23.40	0.219	23.40	0.219
5	QPSK	12	7	23.25	0.211	23.29	0.213	23.34	0.216
5	QPSK	12	13	23.24	0.211	23.17	0.207	23.28	0.213
5	QPSK	25	0	23.10	0.204	23.09	0.204	23.17	0.207
5	16QAM	1	0	23.33	0.215	23.28	0.213	23.38	0.218
5	16QAM	1	12	23.33	0.215	23.14	0.206	23.29	0.213
5	16QAM	1	24	23.27	0.212	23.02	0.200	23.15	0.207
5	16QAM	12	0	22.42	0.175	22.18	0.165	22.21	0.166
5	16QAM	12	7	22.37	0.173	22.07	0.161	22.18	0.165
5	16QAM	12	13	22.30	0.170	21.91	0.155	22.12	0.163
5	16QAM	25	0	22.25	0.168	21.80	0.151	22.09	0.162



LTE Band 41(Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.41	0.138	21.48	0.141	21.37	0.137
20	QPSK	1	49	21.35	0.136	21.39	0.138	21.35	0.136
20	QPSK	1	99	21.33	0.136	21.34	0.136	21.26	0.134
20	QPSK	50	0	20.72	0.118	20.70	0.117	20.64	0.116
20	QPSK	50	24	20.68	0.117	20.63	0.116	20.49	0.112
20	QPSK	50	50	20.60	0.115	20.50	0.112	20.42	0.110
20	QPSK	100	0	20.55	0.114	20.56	0.114	20.39	0.109
20	16QAM	1	0	20.78	0.120	20.69	0.117	20.61	0.115
20	16QAM	1	49	20.66	0.116	20.56	0.114	20.49	0.112
20	16QAM	1	99	20.56	0.114	20.42	0.110	20.35	0.108
20	16QAM	50	0	19.66	0.092	19.50	0.089	19.43	0.088
20	16QAM	50	24	19.57	0.091	19.44	0.088	19.40	0.087
20	16QAM	50	50	19.44	0.088	19.42	0.087	19.30	0.085
20	16QAM	100	0	19.31	0.085	19.29	0.085	19.20	0.083



LTE Band 41(Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.30	0.135	21.37	0.137	21.27	0.134
15	QPSK	1	37	21.26	0.134	21.29	0.135	21.31	0.135
15	QPSK	1	74	21.24	0.133	21.19	0.132	21.19	0.132
15	QPSK	36	0	20.69	0.117	20.59	0.115	20.53	0.113
15	QPSK	36	20	20.61	0.115	20.56	0.114	20.39	0.109
15	QPSK	36	39	20.49	0.112	20.43	0.110	20.37	0.109
15	QPSK	75	0	20.45	0.111	20.34	0.108	20.34	0.108
15	16QAM	1	0	20.73	0.118	20.60	0.115	20.53	0.113
15	16QAM	1	37	20.57	0.114	20.50	0.112	20.40	0.110
15	16QAM	1	74	20.50	0.112	20.34	0.108	20.32	0.108
15	16QAM	36	0	19.60	0.091	19.39	0.087	19.39	0.087
15	16QAM	36	20	19.53	0.090	19.34	0.086	19.33	0.086
15	16QAM	36	39	19.34	0.086	19.38	0.087	19.27	0.085
15	16QAM	75	0	19.27	0.085	19.19	0.083	19.15	0.082



LTE Band 41(Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.28	0.134	21.41	0.138	21.26	0.134
10	QPSK	1	25	21.22	0.132	21.25	0.133	21.27	0.134
10	QPSK	1	49	21.21	0.132	21.15	0.130	21.15	0.130
10	QPSK	25	0	20.63	0.116	20.56	0.114	20.53	0.113
10	QPSK	25	12	20.57	0.114	20.55	0.114	20.39	0.109
10	QPSK	25	25	20.54	0.113	20.44	0.111	20.29	0.107
10	QPSK	50	0	20.42	0.110	20.35	0.108	20.26	0.106
10	16QAM	1	0	20.71	0.118	20.60	0.115	20.54	0.113
10	16QAM	1	25	20.56	0.114	20.48	0.112	20.36	0.109
10	16QAM	1	49	20.47	0.111	20.30	0.107	20.23	0.105
10	16QAM	25	0	19.53	0.090	19.41	0.087	19.29	0.085
10	16QAM	25	12	19.50	0.089	19.32	0.086	19.32	0.086
10	16QAM	25	25	19.37	0.086	19.33	0.086	19.22	0.084
10	16QAM	50	0	19.17	0.083	19.17	0.083	19.13	0.082



LTE Band 41(Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.34	0.136	21.41	0.138	21.29	0.135
5	QPSK	1	12	21.30	0.135	21.33	0.136	21.27	0.134
5	QPSK	1	24	21.27	0.134	21.21	0.132	21.20	0.132
5	QPSK	12	0	20.63	0.116	20.62	0.115	20.56	0.114
5	QPSK	12	7	20.58	0.114	20.59	0.115	20.42	0.110
5	QPSK	12	13	20.50	0.112	20.45	0.111	20.35	0.108
5	QPSK	25	0	20.46	0.111	20.37	0.109	20.32	0.108
5	16QAM	1	0	20.74	0.119	20.63	0.116	20.51	0.112
5	16QAM	1	12	20.59	0.115	20.49	0.112	20.42	0.110
5	16QAM	1	24	20.50	0.112	20.37	0.109	20.30	0.107
5	16QAM	12	0	19.57	0.091	19.40	0.087	19.36	0.086
5	16QAM	12	7	19.47	0.089	19.37	0.086	19.36	0.086
5	16QAM	12	13	19.37	0.086	19.34	0.086	19.23	0.084
5	16QAM	25	0	19.20	0.083	19.19	0.083	19.11	0.081



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.67	0.233	23.79	0.239	23.76	0.238
20	QPSK	1	49	23.56	0.227	23.69	0.234	23.71	0.235
20	QPSK	1	99	23.42	0.220	23.58	0.228	23.57	0.228
20	QPSK	50	0	22.85	0.193	23.05	0.202	22.94	0.197
20	QPSK	50	24	22.79	0.190	22.90	0.195	22.81	0.191
20	QPSK	50	50	22.69	0.186	22.79	0.190	22.76	0.189
20	QPSK	100	0	22.66	0.185	22.73	0.187	22.62	0.183
20	16QAM	1	0	22.90	0.195	22.98	0.199	22.90	0.195
20	16QAM	1	49	22.82	0.191	22.86	0.193	22.86	0.193
20	16QAM	1	99	22.78	0.190	22.80	0.191	22.77	0.189
20	16QAM	50	0	21.88	0.154	21.89	0.155	21.95	0.157
20	16QAM	50	24	21.85	0.153	21.81	0.152	21.92	0.156
20	16QAM	50	50	21.79	0.151	21.71	0.148	21.85	0.153
20	16QAM	100	0	21.70	0.148	21.64	0.146	21.71	0.148



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	23.56	0.227	23.69	0.234	23.70	0.234
15	QPSK	1	37	23.46	0.222	23.61	0.230	23.65	0.232
15	QPSK	1	74	23.38	0.218	23.54	0.226	23.47	0.222
15	QPSK	36	0	22.76	0.189	23.00	0.200	22.90	0.195
15	QPSK	36	20	22.76	0.189	22.85	0.193	22.75	0.188
15	QPSK	36	39	22.63	0.183	22.68	0.185	22.65	0.184
15	QPSK	75	0	22.55	0.180	22.63	0.183	22.52	0.179
15	16QAM	1	0	22.79	0.190	22.91	0.195	22.79	0.190
15	16QAM	1	37	22.73	0.187	22.81	0.191	22.78	0.190
15	16QAM	1	74	22.67	0.185	22.75	0.188	22.73	0.187
15	16QAM	36	0	21.78	0.151	21.83	0.152	21.88	0.154
15	16QAM	36	20	21.78	0.151	21.74	0.149	21.86	0.153
15	16QAM	36	39	21.75	0.150	21.65	0.146	21.78	0.151
15	16QAM	75	0	21.60	0.145	21.55	0.143	21.65	0.146



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.60	0.229	23.71	0.235	23.68	0.233
10	QPSK	1	25	23.52	0.225	23.64	0.231	23.60	0.229
10	QPSK	1	49	23.38	0.218	23.52	0.225	23.46	0.222
10	QPSK	25	0	22.75	0.188	23.02	0.200	22.84	0.192
10	QPSK	25	12	22.73	0.187	22.84	0.192	22.75	0.188
10	QPSK	25	25	22.61	0.182	22.73	0.187	22.73	0.187
10	QPSK	50	0	22.55	0.180	22.68	0.185	22.56	0.180
10	16QAM	1	0	22.86	0.193	22.90	0.195	22.82	0.191
10	16QAM	1	25	22.72	0.187	22.82	0.191	22.77	0.189
10	16QAM	1	49	22.71	0.187	22.71	0.187	22.68	0.185
10	16QAM	25	0	21.78	0.151	21.81	0.152	21.90	0.155
10	16QAM	25	12	21.77	0.150	21.72	0.149	21.88	0.154
10	16QAM	25	25	21.76	0.150	21.68	0.147	21.81	0.152
10	16QAM	50	0	21.61	0.145	21.55	0.143	21.62	0.145



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.59	0.229	23.69	0.234	23.71	0.235
5	QPSK	1	12	23.51	0.224	23.65	0.232	23.62	0.230
5	QPSK	1	24	23.32	0.215	23.49	0.223	23.49	0.223
5	QPSK	12	0	22.74	0.188	22.94	0.197	22.91	0.195
5	QPSK	12	7	22.72	0.187	22.85	0.193	22.76	0.189
5	QPSK	12	13	22.63	0.183	22.73	0.187	22.71	0.187
5	QPSK	25	0	22.59	0.182	22.68	0.185	22.53	0.179
5	16QAM	1	0	22.80	0.191	22.89	0.195	22.81	0.191
5	16QAM	1	12	22.79	0.190	22.80	0.191	22.75	0.188
5	16QAM	1	24	22.71	0.187	22.73	0.187	22.68	0.185
5	16QAM	12	0	21.83	0.152	21.85	0.153	21.92	0.156
5	16QAM	12	7	21.79	0.151	21.73	0.149	21.85	0.153
5	16QAM	12	13	21.69	0.148	21.60	0.145	21.81	0.152
5	16QAM	25	0	21.65	0.146	21.56	0.143	21.65	0.146



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	23.62	0.230	23.68	0.233	23.65	0.232
3	QPSK	1	8	23.51	0.224	23.63	0.231	23.67	0.233
3	QPSK	1	14	23.36	0.217	23.55	0.226	23.48	0.223
3	QPSK	8	0	22.80	0.191	23.00	0.200	22.90	0.195
3	QPSK	8	4	22.76	0.189	22.85	0.193	22.70	0.186
3	QPSK	8	7	22.62	0.183	22.70	0.186	22.66	0.185
3	QPSK	15	0	22.60	0.182	22.68	0.185	22.55	0.180
3	16QAM	1	0	22.83	0.192	22.95	0.197	22.87	0.194
3	16QAM	1	8	22.79	0.190	22.75	0.188	22.81	0.191
3	16QAM	1	14	22.72	0.187	22.70	0.186	22.70	0.186
3	16QAM	8	0	21.82	0.152	21.79	0.151	21.88	0.154
3	16QAM	8	4	21.78	0.151	21.77	0.150	21.89	0.155
3	16QAM	8	7	21.75	0.150	21.67	0.147	21.80	0.151
3	16QAM	15	0	21.65	0.146	21.56	0.143	21.68	0.147



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.60	0.229	23.71	0.235	23.67	0.233
1.4	QPSK	1	3	23.51	0.224	23.61	0.230	23.65	0.232
1.4	QPSK	1	5	23.38	0.218	23.51	0.224	23.49	0.223
1.4	QPSK	3	0	22.78	0.190	22.97	0.198	22.89	0.195
1.4	QPSK	3	1	22.74	0.188	22.80	0.191	22.76	0.189
1.4	QPSK	3	3	22.64	0.184	22.72	0.187	22.66	0.185
1.4	QPSK	6	0	22.60	0.182	22.66	0.185	22.54	0.179
1.4	16QAM	1	0	22.87	0.194	22.93	0.196	22.86	0.193
1.4	16QAM	1	3	22.79	0.190	22.77	0.189	22.79	0.190
1.4	16QAM	1	5	22.68	0.185	22.75	0.188	22.74	0.188
1.4	16QAM	3	0	21.81	0.152	21.83	0.152	21.84	0.153
1.4	16QAM	3	1	21.82	0.152	21.74	0.149	21.83	0.152
1.4	16QAM	3	3	21.68	0.147	21.65	0.146	21.74	0.149
1.4	16QAM	6	0	21.65	0.146	21.55	0.143	21.62	0.145



LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133222		133322		133372	
Frequency (MHz)				673		683		688	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	18.68	0.074	18.72	0.074	18.65	0.073
20	QPSK	1	49	18.60	0.072	18.62	0.073	18.61	0.073
20	QPSK	1	99	18.47	0.070	18.53	0.071	18.59	0.072
20	QPSK	50	0	17.87	0.061	18.01	0.063	17.97	0.063
20	QPSK	50	24	17.84	0.061	17.97	0.063	17.90	0.062
20	QPSK	50	50	17.76	0.060	17.92	0.062	17.79	0.060
20	QPSK	100	0	17.65	0.058	17.88	0.061	17.68	0.059
20	16QAM	1	0	17.92	0.062	18.08	0.064	17.89	0.062
20	16QAM	1	49	17.80	0.060	18.02	0.063	17.74	0.059
20	16QAM	1	99	17.73	0.059	17.87	0.061	17.69	0.059
20	16QAM	50	0	16.80	0.048	16.93	0.049	16.83	0.048
20	16QAM	50	24	16.74	0.047	16.88	0.049	16.69	0.047
20	16QAM	50	50	16.68	0.047	16.80	0.048	16.60	0.046
20	16QAM	100	0	16.60	0.046	16.74	0.047	16.48	0.044



LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.8		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	18.58	0.072	18.63	0.073	18.56	0.072
15	QPSK	1	37	18.52	0.071	18.54	0.071	18.58	0.072
15	QPSK	1	74	18.44	0.070	18.46	0.070	18.52	0.071
15	QPSK	36	0	17.78	0.060	17.95	0.062	17.89	0.062
15	QPSK	36	20	17.76	0.060	17.88	0.061	17.79	0.060
15	QPSK	36	39	17.66	0.058	17.89	0.062	17.73	0.059
15	QPSK	75	0	17.60	0.058	17.82	0.061	17.64	0.058
15	16QAM	1	0	17.88	0.061	18.04	0.064	17.80	0.060
15	16QAM	1	37	17.73	0.059	17.98	0.063	17.70	0.059
15	16QAM	1	74	17.64	0.058	17.80	0.060	17.62	0.058
15	16QAM	36	0	16.74	0.047	16.88	0.049	16.73	0.047
15	16QAM	36	20	16.69	0.047	16.84	0.048	16.65	0.046
15	16QAM	36	39	16.58	0.045	16.73	0.047	16.53	0.045
15	16QAM	75	0	16.51	0.045	16.66	0.046	16.39	0.044



LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133172		133272		133422	
Frequency (MHz)				668		678		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.61	0.073	18.65	0.073	18.56	0.072
10	QPSK	1	25	18.57	0.072	18.55	0.072	18.54	0.071
10	QPSK	1	49	18.38	0.069	18.48	0.070	18.55	0.072
10	QPSK	25	0	17.76	0.060	17.92	0.062	17.93	0.062
10	QPSK	25	12	17.74	0.059	17.91	0.062	17.79	0.060
10	QPSK	25	25	17.65	0.058	17.84	0.061	17.72	0.059
10	QPSK	50	0	17.56	0.057	17.79	0.060	17.61	0.058
10	16QAM	1	0	17.82	0.061	18.00	0.063	17.82	0.061
10	16QAM	1	25	17.76	0.060	17.97	0.063	17.70	0.059
10	16QAM	1	49	17.64	0.058	17.81	0.060	17.62	0.058
10	16QAM	25	0	16.70	0.047	16.87	0.049	16.78	0.048
10	16QAM	25	12	16.63	0.046	16.81	0.048	16.62	0.046
10	16QAM	25	25	16.62	0.046	16.73	0.047	16.56	0.045
10	16QAM	50	0	16.49	0.045	16.70	0.047	16.40	0.044



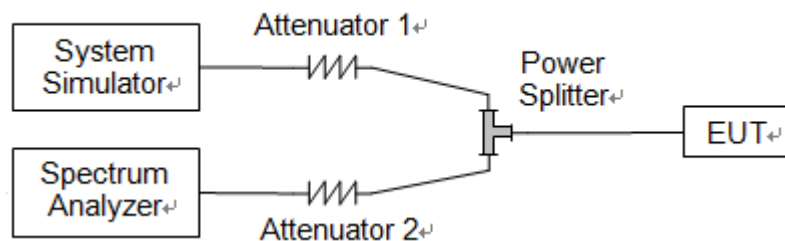
LTE Band 71				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133247		133447	
Frequency (MHz)				665.5		675.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.63	0.073	18.69	0.074	18.60	0.072
5	QPSK	1	12	18.51	0.071	18.53	0.071	18.56	0.072
5	QPSK	1	24	18.39	0.069	18.47	0.070	18.51	0.071
5	QPSK	12	0	17.79	0.060	17.97	0.063	17.90	0.062
5	QPSK	12	7	17.76	0.060	17.87	0.061	17.83	0.061
5	QPSK	12	13	17.66	0.058	17.85	0.061	17.74	0.059
5	QPSK	25	0	17.60	0.058	17.84	0.061	17.60	0.058
5	16QAM	1	0	17.86	0.061	18.04	0.064	17.81	0.060
5	16QAM	1	12	17.72	0.059	17.95	0.062	17.67	0.058
5	16QAM	1	24	17.66	0.058	17.83	0.061	17.60	0.058
5	16QAM	12	0	16.73	0.047	16.84	0.048	16.76	0.047
5	16QAM	12	7	16.69	0.047	16.77	0.048	16.61	0.046
5	16QAM	12	13	16.63	0.046	16.71	0.047	16.49	0.045
5	16QAM	25	0	16.51	0.045	16.69	0.047	16.38	0.043

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	1.27
	Low	16QAM	1.10	1.31
	Mid	QPSK	1.09	1.26
	Mid	16QAM	1.10	1.30
	High	QPSK	1.09	1.27
	High	16QAM	1.09	1.29
3	Low	QPSK	2.69	2.91
	Low	16QAM	2.70	2.92
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.69	2.92
	High	QPSK	2.69	2.94
	High	16QAM	2.69	2.93
5	Low	QPSK	4.50	4.93
	Low	16QAM	4.50	4.91
	Mid	QPSK	4.51	4.92
	Mid	16QAM	4.50	4.89
	High	QPSK	4.50	5.00
	High	16QAM	4.49	4.91
10	Low	QPSK	9.01	9.75
	Low	16QAM	8.97	9.71
	Mid	QPSK	9.01	9.76
	Mid	16QAM	8.97	9.74
	High	QPSK	8.99	10.33
	High	16QAM	8.98	10.07
15	Low	QPSK	13.50	15.16
	Low	16QAM	13.49	14.67
	Mid	QPSK	13.50	15.79
	Mid	16QAM	13.50	14.67
	High	QPSK	13.48	14.66
	High	16QAM	13.47	15.26
20	Low	QPSK	17.95	19.33
	Low	16QAM	17.97	19.40
	Mid	QPSK	17.95	19.55
	Mid	16QAM	17.99	19.30
	High	QPSK	17.95	19.61
	High	16QAM	17.99	20.52



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.29
	Low	16QAM	1.10	1.30
	Mid	QPSK	1.10	1.27
	Mid	16QAM	1.10	1.31
	High	QPSK	1.09	1.26
	High	16QAM	1.10	1.30
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	3.17
	Mid	QPSK	2.69	2.91
	Mid	16QAM	2.69	3.22
	High	QPSK	2.69	2.92
	High	16QAM	2.69	3.19
5	Low	QPSK	4.49	4.91
	Low	16QAM	4.50	4.89
	Mid	QPSK	4.50	4.93
	Mid	16QAM	4.50	4.87
	High	QPSK	4.50	4.94
	High	16QAM	4.49	4.91
10	Low	QPSK	9.01	9.71
	Low	16QAM	8.97	9.66
	Mid	QPSK	8.98	9.73
	Mid	16QAM	8.97	9.68
	High	QPSK	9.01	9.75
	High	16QAM	8.97	9.65
15	Low	QPSK	13.46	14.61
	Low	16QAM	13.46	14.66
	Mid	QPSK	13.52	14.61
	Mid	16QAM	13.48	14.51
	High	QPSK	13.46	14.58
	High	16QAM	13.49	14.55
20	Low	QPSK	17.95	19.46
	Low	16QAM	17.99	19.28
	Mid	QPSK	17.96	19.35
	Mid	16QAM	17.99	19.39
	High	QPSK	17.99	19.38
	High	16QAM	17.97	19.40



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.27
	Low	16QAM	1.10	1.30
	Mid	QPSK	1.10	1.30
	Mid	16QAM	1.10	1.29
	High	QPSK	1.10	1.26
	High	16QAM	1.09	1.28
3	Low	QPSK	2.69	2.91
	Low	16QAM	2.69	3.06
	Mid	QPSK	2.69	2.91
	Mid	16QAM	2.69	3.14
	High	QPSK	2.69	2.92
	High	16QAM	2.72	2.85
5	Low	QPSK	4.51	4.95
	Low	16QAM	4.50	4.92
	Mid	QPSK	4.49	4.91
	Mid	16QAM	4.51	4.90
	High	QPSK	4.50	4.91
	High	16QAM	4.50	4.88
10	Low	QPSK	8.98	9.75
	Low	16QAM	8.98	9.71
	Mid	QPSK	8.99	9.57
	Mid	16QAM	8.96	9.71
	High	QPSK	9.00	9.75
	High	16QAM	8.96	9.65



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.28
	Low	16QAM	1.10	1.31
	Mid	QPSK	1.10	1.29
	Mid	16QAM	1.10	1.34
	High	QPSK	1.09	1.27
	High	16QAM	1.10	1.32
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	3.03
	Mid	QPSK	2.69	2.98
	Mid	16QAM	2.70	3.15
	High	QPSK	2.69	2.92
	High	16QAM	2.69	2.94
5	Low	QPSK	4.51	5.22
	Low	16QAM	4.51	5.16
	Mid	QPSK	4.52	5.23
	Mid	16QAM	4.52	5.19
	High	QPSK	4.53	5.17
	High	16QAM	4.51	5.12
10	Low	QPSK	9.02	9.85
	Low	16QAM	8.98	10.02
	Mid	QPSK	9.03	9.99
	Mid	16QAM	8.99	9.94
	High	QPSK	9.03	10.35
	High	16QAM	8.99	10.64



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.16
	Low	16QAM	4.51	5.19
	Mid	QPSK	4.53	5.48
	Mid	16QAM	4.52	5.63
	High	QPSK	4.53	5.20
	High	16QAM	4.52	5.16
10	Low	QPSK	9.01	9.97
	Low	16QAM	8.98	10.00
	Mid	QPSK	8.98	10.03
	Mid	16QAM	8.95	9.85
	High	QPSK	8.99	9.95
	High	16QAM	8.98	10.09



LTE Band 25				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.26
	Low	16QAM	1.10	1.28
	Mid	QPSK	1.09	1.28
	Mid	16QAM	1.10	1.29
	High	QPSK	1.10	1.27
	High	16QAM	1.10	1.29
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	2.92
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.69	2.92
	High	QPSK	2.69	2.92
	High	16QAM	2.69	2.92
5	Low	QPSK	4.53	5.22
	Low	16QAM	4.51	5.15
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.51	5.38
	High	QPSK	4.51	5.21
	High	16QAM	4.53	5.53
10	Low	QPSK	9.04	10.10
	Low	16QAM	8.99	10.03
	Mid	QPSK	9.05	10.42
	Mid	16QAM	8.99	9.92
	High	QPSK	9.05	11.11
	High	16QAM	8.97	10.33
15	Low	QPSK	13.50	15.00
	Low	16QAM	13.49	15.01
	Mid	QPSK	13.53	15.27
	Mid	16QAM	13.50	17.71
	High	QPSK	13.49	15.59
	High	16QAM	13.50	16.42
20	Low	QPSK	17.96	19.67
	Low	16QAM	17.98	19.69
	Mid	QPSK	18.03	21.32
	Mid	16QAM	18.01	19.80
	High	QPSK	17.96	20.04
	High	16QAM	18.03	19.88



LTE Band 26				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.33
	Low	16QAM	1.10	1.30
	Mid	QPSK	1.10	1.27
	Mid	16QAM	1.10	1.29
	High	QPSK	1.09	1.27
	High	16QAM	1.10	1.29
3	Low	QPSK	2.69	2.91
	Low	16QAM	2.70	3.09
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.69	2.92
	High	QPSK	2.69	2.93
	High	16QAM	2.69	2.92
5	Low	QPSK	4.50	4.95
	Low	16QAM	4.47	4.86
	Mid	QPSK	4.49	4.95
	Mid	16QAM	4.49	4.93
	High	QPSK	4.50	4.92
	High	16QAM	4.50	4.92
10	Low	QPSK	8.99	9.76
	Low	16QAM	8.97	9.66
	Mid	QPSK	8.98	9.59
	Mid	16QAM	8.95	9.70
	High	QPSK	8.99	9.74
	High	16QAM	8.95	9.67
15	Low	QPSK	13.49	14.66
	Low	16QAM	13.48	14.64
	Mid	QPSK	13.49	14.63
	Mid	16QAM	13.46	14.55
	High	QPSK	13.48	14.51
	High	16QAM	13.47	14.69



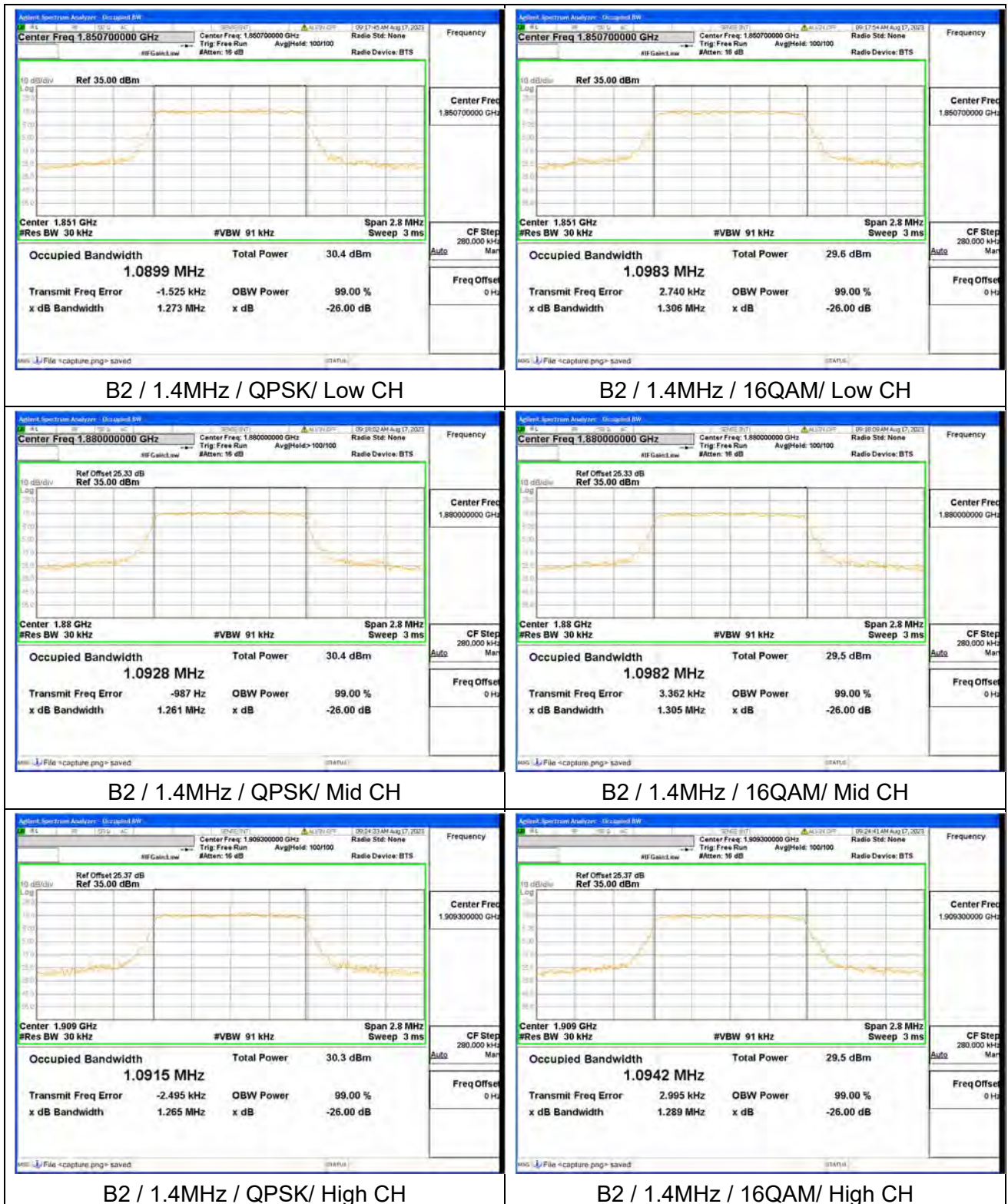
LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.80
	Low	16QAM	4.50	5.03
	Mid	QPSK	4.50	5.26
	Mid	16QAM	4.50	5.29
	High	QPSK	4.50	4.91
	High	16QAM	4.50	5.15
10	Low	QPSK	8.99	10.00
	Low	16QAM	8.99	10.08
	Mid	QPSK	9.00	9.86
	Mid	16QAM	8.98	9.89
	High	QPSK	8.99	9.72
	High	16QAM	8.97	10.12
15	Low	QPSK	13.47	14.57
	Low	16QAM	13.49	15.69
	Mid	QPSK	13.48	14.52
	Mid	16QAM	13.50	14.90
	High	QPSK	13.48	14.99
	High	16QAM	13.51	15.02
20	Low	QPSK	17.93	20.34
	Low	16QAM	17.97	19.92
	Mid	QPSK	17.93	19.84
	Mid	16QAM	17.96	19.39
	High	QPSK	17.94	19.83
	High	16QAM	17.95	20.06



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.31
	Low	16QAM	1.09	1.28
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.28
	High	QPSK	1.10	1.29
	High	16QAM	1.10	1.30
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	2.93
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.70	3.34
	High	QPSK	2.69	2.92
	High	16QAM	2.70	2.93
5	Low	QPSK	4.52	5.17
	Low	16QAM	4.53	5.19
	Mid	QPSK	4.51	5.22
	Mid	16QAM	4.52	5.50
	High	QPSK	4.51	5.12
	High	16QAM	4.52	5.13
10	Low	QPSK	9.03	10.05
	Low	16QAM	8.99	9.94
	Mid	QPSK	9.03	10.07
	Mid	16QAM	8.99	9.95
	High	QPSK	9.02	10.03
	High	16QAM	8.99	9.96
15	Low	QPSK	13.50	15.05
	Low	16QAM	13.50	15.02
	Mid	QPSK	13.50	15.01
	Mid	16QAM	13.51	15.50
	High	QPSK	13.49	14.96
	High	16QAM	13.49	14.97
20	Low	QPSK	17.94	19.67
	Low	16QAM	17.98	19.82
	Mid	QPSK	18.00	19.78
	Mid	16QAM	17.99	19.82
	High	QPSK	17.97	19.74
	High	16QAM	17.98	19.77



LTE Band 71				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.25
	Low	16QAM	4.52	5.15
	Mid	QPSK	4.51	5.20
	Mid	16QAM	4.52	5.19
	High	QPSK	4.53	5.23
	High	16QAM	4.52	5.13
10	Low	QPSK	9.04	10.07
	Low	16QAM	8.99	9.91
	Mid	QPSK	9.02	10.05
	Mid	16QAM	8.98	9.88
	High	QPSK	9.02	10.04
	High	16QAM	8.98	10.04
15	Low	QPSK	13.52	15.40
	Low	16QAM	13.50	15.16
	Mid	QPSK	13.52	15.04
	Mid	16QAM	13.51	14.97
	High	QPSK	13.46	14.94
	High	16QAM	13.50	15.03
20	Low	QPSK	17.93	19.81
	Low	16QAM	17.94	19.70
	Mid	QPSK	17.99	19.86
	Mid	16QAM	18.01	19.69
	High	QPSK	18.01	19.61
	High	16QAM	18.06	19.84























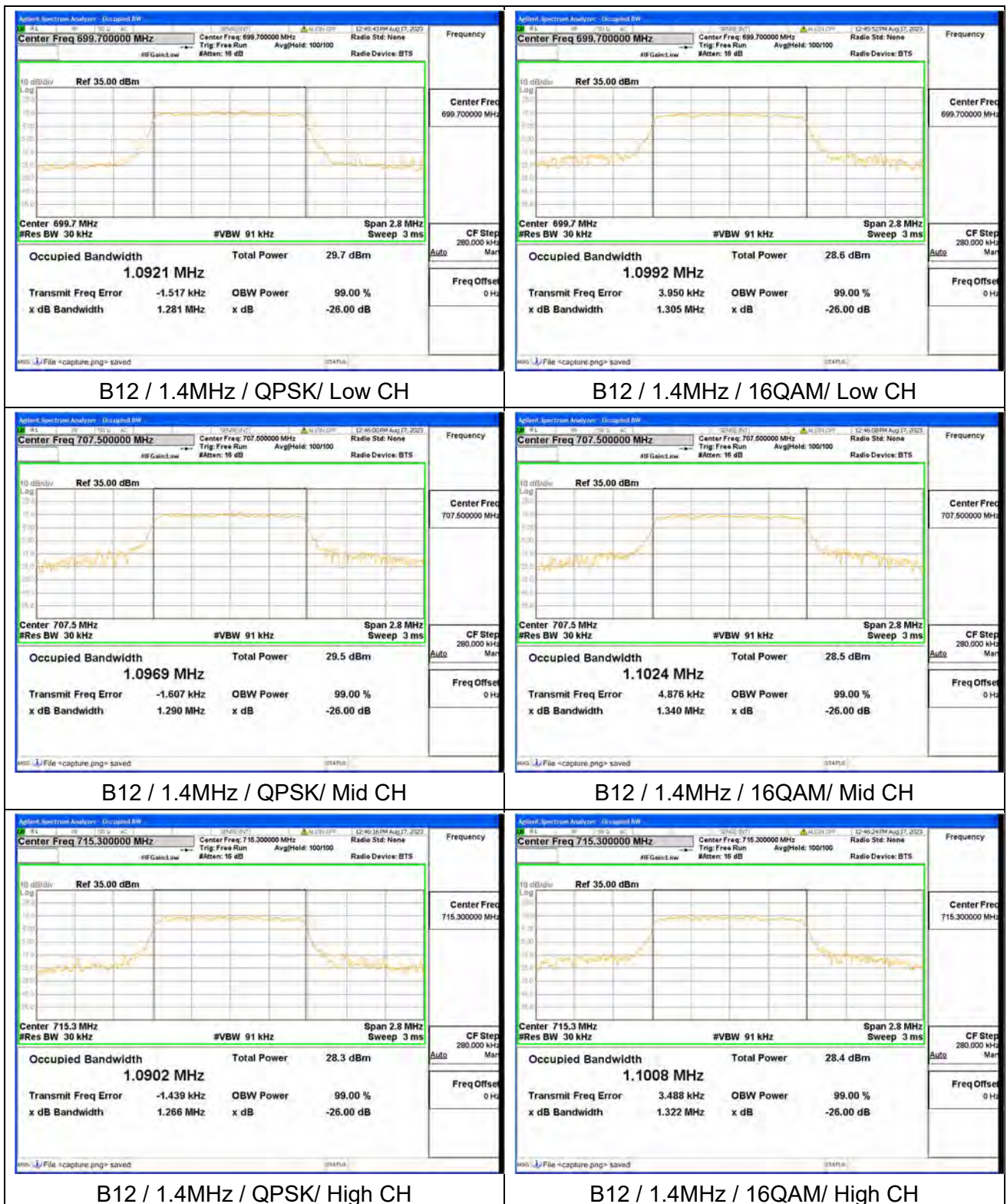




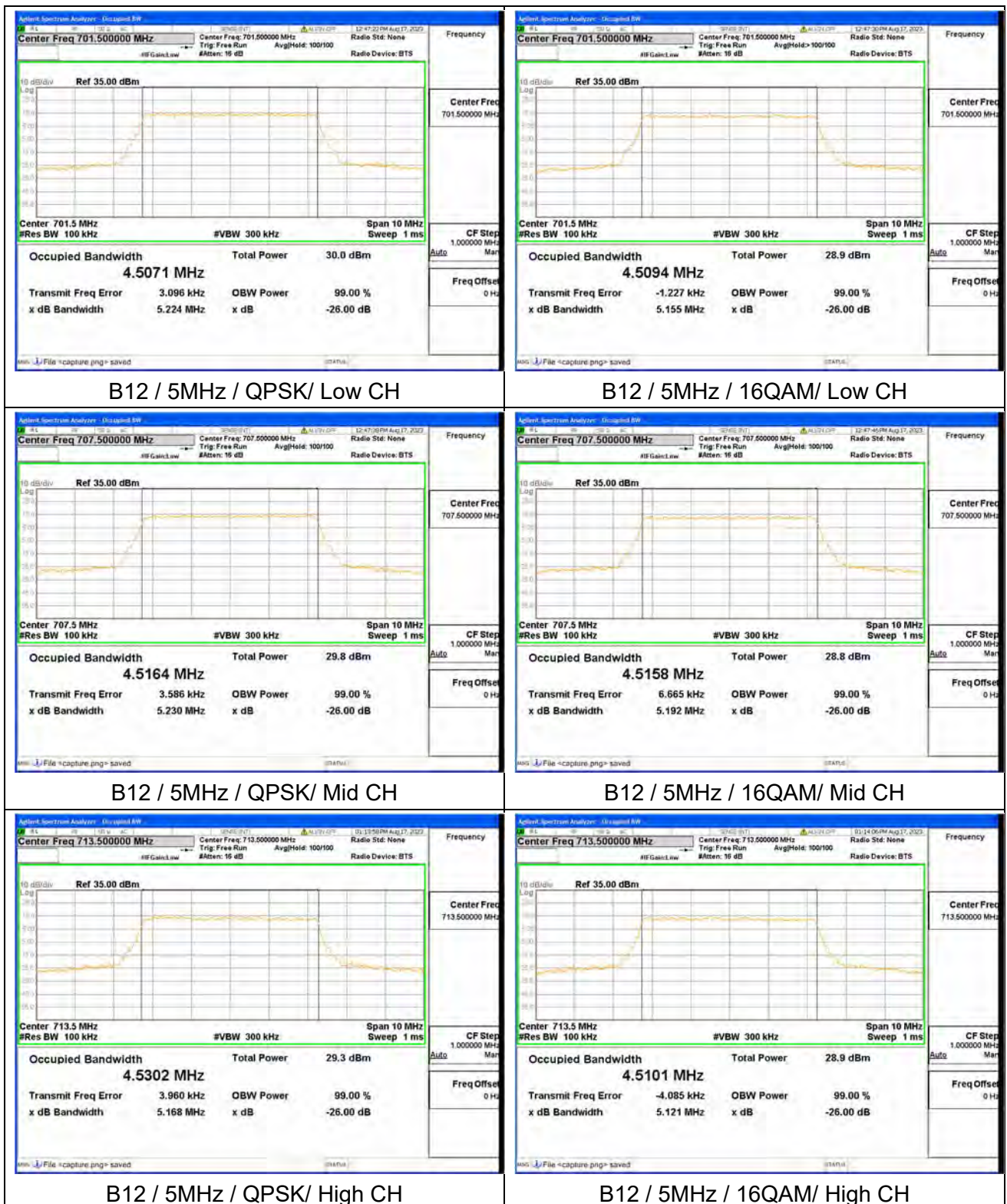














B12 / 10MHz / QPSK/ Low CH

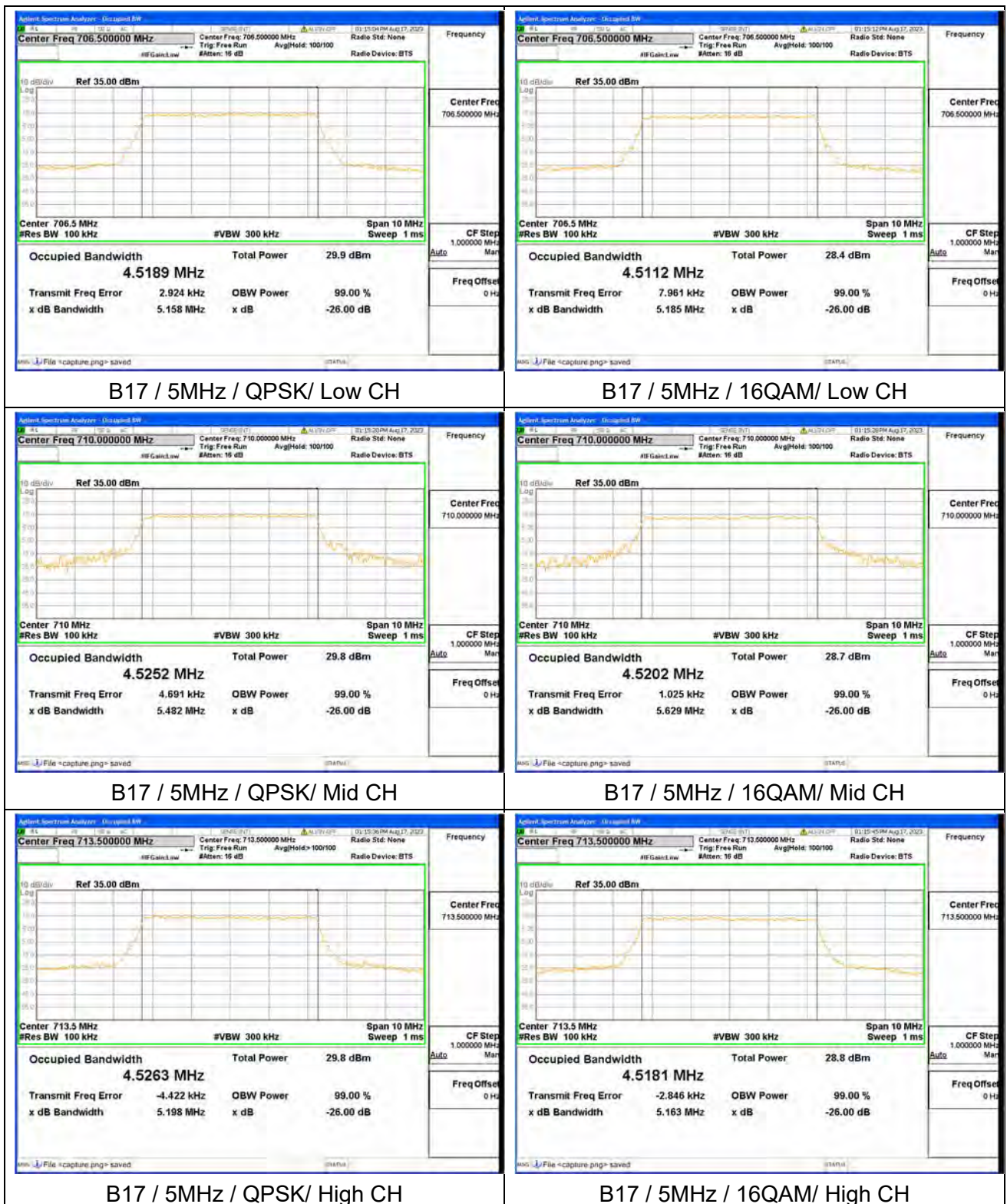
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B12 / 10MHz / QPSK/ Mid CH

B12 / 10MHz / 16QAM/ Mid CH

B12 / 10MHz / QPSK/ High CH

B12 / 10MHz / 16QAM/ High CH



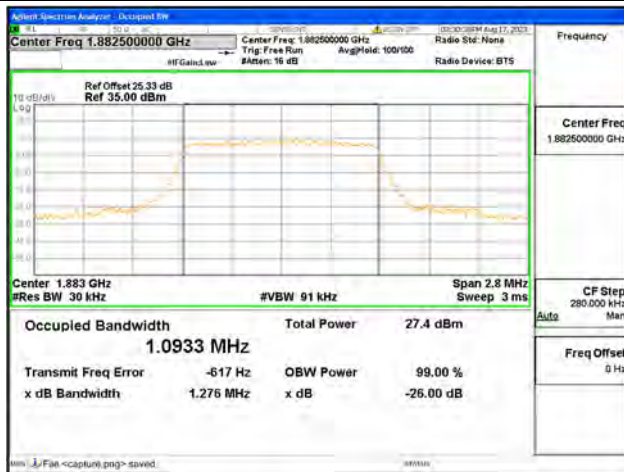




B25 / 1.4MHz / QPSK/ Low CH



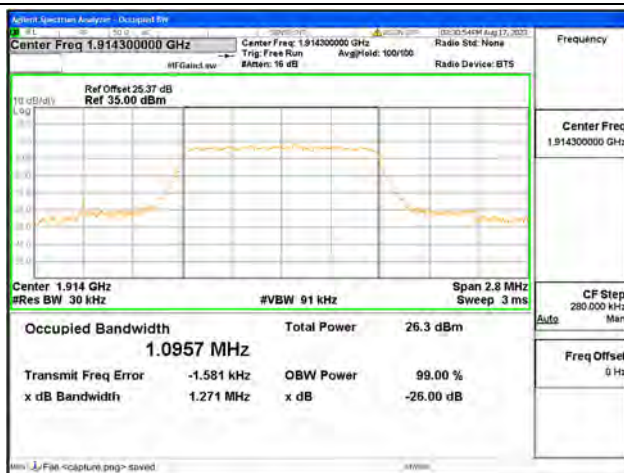
B25 / 1.4MHz / 16QAM/ Low CH



B25 / 1.4MHz / QPSK/ Mid CH



B25 / 1.4MHz / 16QAM/ Mid CH



B25 / 1.4MHz / QPSK/ High CH



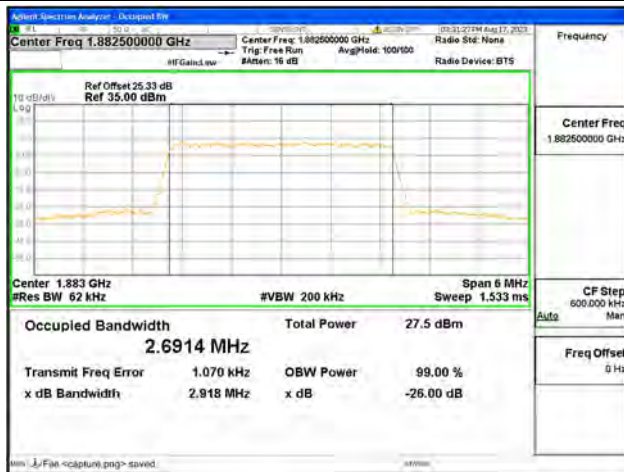
B25 / 1.4MHz / 16QAM/ High CH



B25 / 3MHz / QPSK/ Low CH



B25 / 3MHz / 16QAM/ Low CH



B25 / 3MHz / QPSK/ Mid CH



B25 / 3MHz / 16QAM/ Mid CH



B25 / 3MHz / QPSK/ High CH



B25 / 3MHz / 16QAM/ High CH



B25 / 5MHz / QPSK/ Low CH



B25 / 5MHz / 16QAM/ Low CH



B25 / 5MHz / QPSK/ Mid CH



B25 / 5MHz / 16QAM/ Mid CH



B25 / 5MHz / QPSK/ High CH



B25 / 5MHz / 16QAM/ High CH



B25 / 10MHz / QPSK/ Low CH



B25 / 10MHz / 16QAM/ Low CH



B25 / 10MHz / QPSK/ Mid CH



B25 / 10MHz / 16QAM/ Mid CH



B25 / 10MHz / QPSK/ High CH



B25 / 10MHz / 16QAM/ High CH



B25 / 15MHz / QPSK/ Low CH



B25 / 15MHz / 16QAM/ Low CH



B25 / 15MHz / QPSK/ Mid CH



B25 / 15MHz / 16QAM/ Mid CH



B25 / 15MHz / QPSK/ High CH



B25 / 15MHz / 16QAM/ High CH



B25 / 20MHz / QPSK/ Low CH



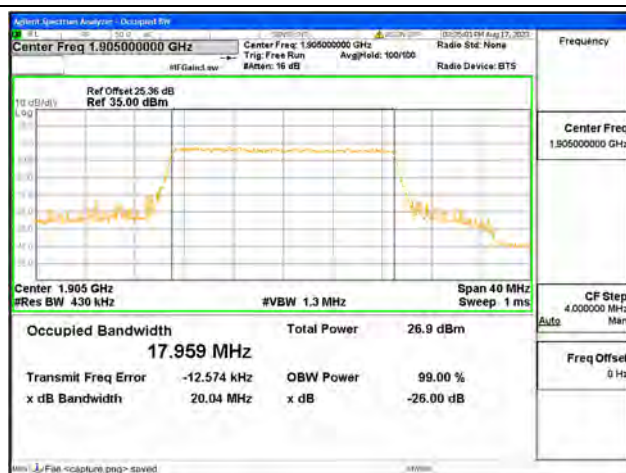
B25 / 20MHz / 16QAM/ Low CH



B25 / 20MHz / QPSK/ Mid CH



B25 / 20MHz / 16QAM/ Mid CH



B25 / 20MHz / QPSK/ High CH



B25 / 20MHz / 16QAM/ High CH



B26 Part22 / 1.4MHz / QPSK/ Low CH



B26 Part22 / 1.4MHz / 16QAM/ Low CH



B26 Part22 / 1.4MHz / QPSK/ Mid CH



B26 Part22 / 1.4MHz / 16QAM/ Mid CH



B26 Part22 / 1.4MHz / QPSK/ High CH



B26 Part22 / 1.4MHz / 16QAM/ High CH



B26 Part22 / 3MHz / QPSK/ Low CH



B26 Part22 / 3MHz / 16QAM/ Low CH



B26 Part22 / 3MHz / QPSK/ Mid CH



B26 Part22 / 3MHz / 16QAM/ Mid CH



B26 Part22 / 3MHz / QPSK/ High CH



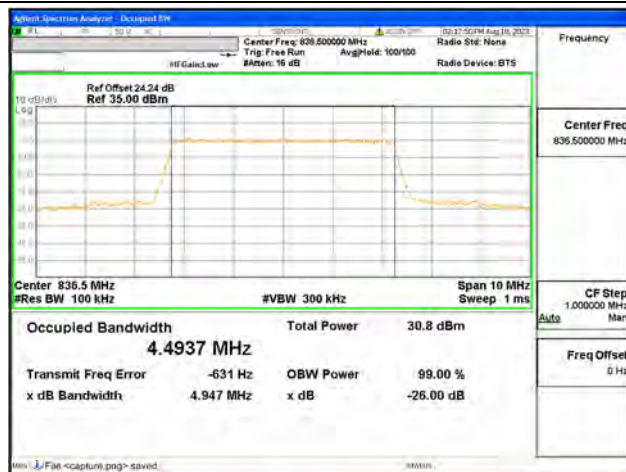
B26 Part22 / 3MHz / 16QAM/ High CH



B26 Part22 / 5MHz / QPSK/ Low CH



B26 Part22 / 5MHz / 16QAM/ Low CH



B26 Part22 / 5MHz / QPSK/ Mid CH



B26 Part22 / 5MHz / 16QAM/ Mid CH



B26 Part22 / 5MHz / QPSK/ High CH



B26 Part22 / 5MHz / 16QAM/ High CH



B26 Part22 / 10MHz / QPSK/ Low CH



B26 Part22 / 10MHz / 16QAM/ Low CH



B26 Part22 / 10MHz / QPSK/ Mid CH



B26 Part22 / 10MHz / 16QAM/ Mid CH



B26 Part22 / 10MHz / QPSK/ High CH



B26 Part22 / 10MHz / 16QAM/ High CH



B26 Part22 / 15MHz / QPSK/ Low CH



B26 Part22 / 15MHz / 16QAM/ Low CH



B26 Part22 / 15MHz / QPSK/ Mid CH



B26 Part22 / 15MHz / 16QAM/ Mid CH



B26 Part22 / 15MHz / QPSK/ High CH



B26 Part22 / 15MHz / 16QAM/ High CH



B41 / 5MHz / QPSK/ Low CH



B41 / 5MHz / 16QAM/ Low CH



B41 / 5MHz / QPSK/ Mid CH



B41 / 5MHz / 16QAM/ Mid CH



B41 / 5MHz / QPSK/ High CH



B41 / 5MHz / 16QAM/ High CH



B41 / 10MHz / QPSK/ Low CH



B41 / 10MHz / 16QAM/ Low CH



B41 / 10MHz / QPSK/ Mid CH



B41 / 10MHz / 16QAM/ Mid CH



B41 / 10MHz / QPSK/ High CH



B41 / 10MHz / 16QAM/ High CH



B41 / 15MHz / QPSK/ Low CH



B41 / 15MHz / 16QAM/ Low CH



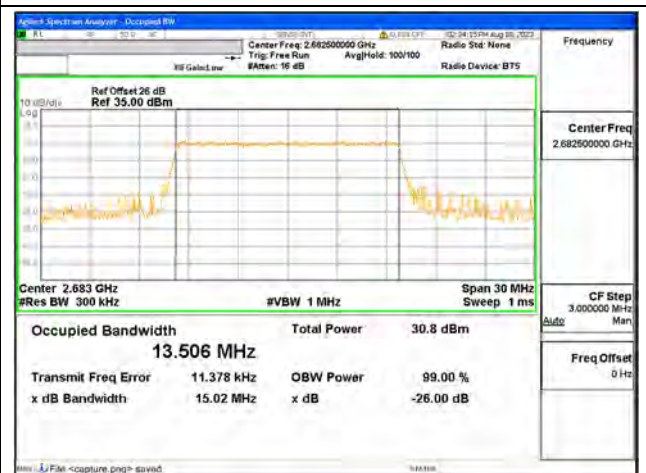
B41 / 15MHz / QPSK/ Mid CH



B41 / 15MHz / 16QAM/ Mid CH



B41 / 15MHz / QPSK/ High CH



B41 / 15MHz / 16QAM/ High CH



B41 / 20MHz / QPSK/ Low CH



B41 / 20MHz / 16QAM/ Low CH



B41 / 20MHz / QPSK/ Mid CH



B41 / 20MHz / 16QAM/ Mid CH



B41 / 20MHz / QPSK/ High CH



B41 / 20MHz / 16QAM/ High CH



B66 / 1.4MHz / QPSK/ Low CH



B66 / 1.4MHz / 16QAM/ Low CH



B66 / 1.4MHz / QPSK/ Mid CH



B66 / 1.4MHz / 16QAM/ Mid CH



B66 / 1.4MHz / QPSK/ High CH



B66 / 1.4MHz / 16QAM/ High CH



B66 / 3MHz / QPSK/ Low CH



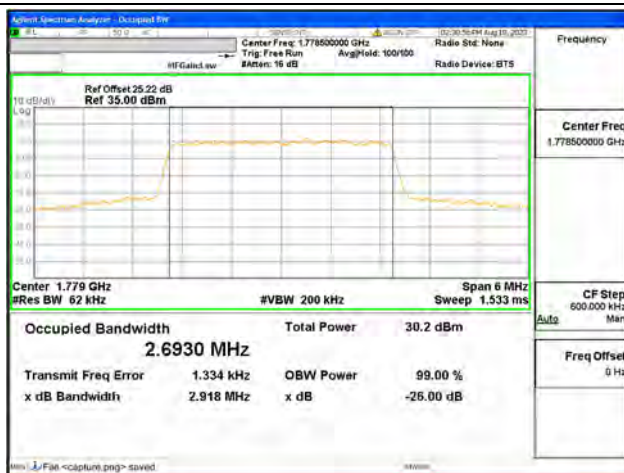
B66 / 3MHz / 16QAM/ Low CH



B66 / 3MHz / QPSK/ Mid CH



B66 / 3MHz / 16QAM/ Mid CH



B66 / 3MHz / QPSK/ High CH



B66 / 3MHz / 16QAM/ High CH



B66 / 5MHz / QPSK/ Low CH



B66 / 5MHz / 16QAM/ Low CH



B66 / 5MHz / QPSK/ Mid CH



B66 / 5MHz / 16QAM/ Mid CH



B66 / 5MHz / QPSK/ High CH



B66 / 5MHz / 16QAM/ High CH



B66 / 10MHz / QPSK/ Low CH



B66 / 10MHz / 16QAM/ Low CH



B66 / 10MHz / QPSK/ Mid CH



B66 / 10MHz / 16QAM/ Mid CH



B66 / 10MHz / QPSK/ High CH



B66 / 10MHz / 16QAM/ High CH



B66 / 15MHz / QPSK/ Low CH



B66 / 15MHz / 16QAM/ Low CH



B66 / 15MHz / QPSK/ Mid CH



B66 / 15MHz / 16QAM/ Mid CH



B66 / 15MHz / QPSK/ High CH



B66 / 15MHz / 16QAM/ High CH



B66 / 20MHz / QPSK/ Low CH



B66 / 20MHz / 16QAM/ Low CH



B66 / 20MHz / QPSK/ Mid CH



B66 / 20MHz / 16QAM/ Mid CH



B66 / 20MHz / QPSK/ High CH



B66 / 20MHz / 16QAM/ High CH





B71 / 10MHz / QPSK/ Low CH



B71 / 10MHz / 16QAM/ Low CH



B71 / 10MHz / QPSK/ Mid CH



B71 / 10MHz / 16QAM/ Mid CH



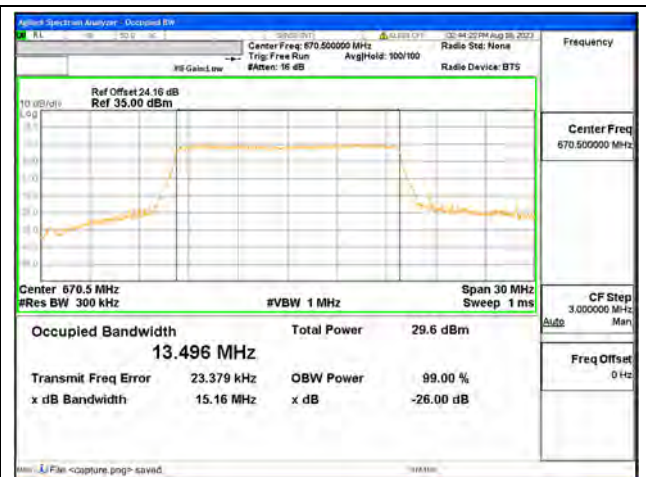
B71 / 10MHz / QPSK/ High CH



B71 / 10MHz / 16QAM/ High CH



B71 / 15MHz / QPSK/ Low CH



B71 / 15MHz / 16QAM/ Low CH



B71 / 15MHz / QPSK/ Mid CH



B71 / 15MHz / 16QAM/ Mid CH



B71 / 15MHz / QPSK/ High CH



B71 / 15MHz / 16QAM/ High CH



B71 / 20MHz / QPSK/ Low CH



B71 / 20MHz / 16QAM/ Low CH



B71 / 20MHz / QPSK/ Mid CH



B71 / 20MHz / 16QAM/ Mid CH



B71 / 20MHz / QPSK/ High CH



B71 / 20MHz / 16QAM/ High CH

2.3. Frequency Stability

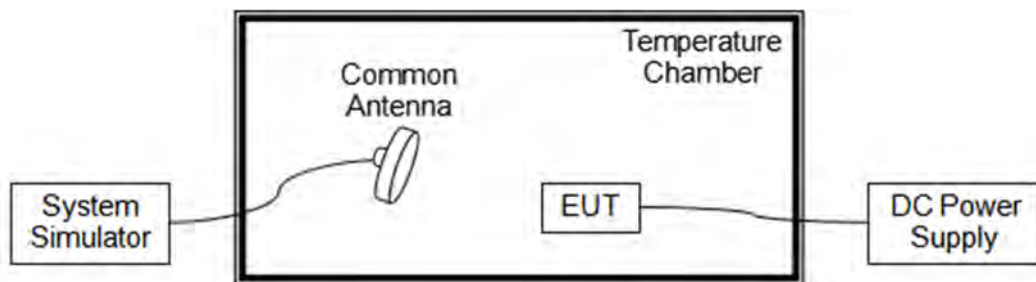
2.3.1. Requirement

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

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

Note: The operating temperature of EUT is from 0°C to 45°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 3.80V, 4.35V and 3.50V, 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	3.80	+20(Ref)	15	0.008	PASS
Normal		0	1	0.001	
Normal		+10	15	0.008	
Normal		+20	-21	-0.011	
Normal		+30	5	0.003	
Normal		+40	20	0.011	
Normal		+45	14	0.007	
High	4.35	+20	19	0.010	
BATT.ENDPOINT	3.50	+20	16	0.009	

LTE Band 4, QPSK, Channel 20175, Frequency 1732.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	15	0.009	PASS
Normal		0	-1	-0.001	
Normal		+10	17	0.010	
Normal		+20	-20	-0.012	
Normal		+30	-22	-0.013	
Normal		+40	21	0.012	
Normal		+45	11	0.006	
High	4.35	+20	13	0.008	
BATT.ENDPOINT	3.50	+20	20	0.012	



LTE Band 5, QPSK, Channel 20525, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	17	0.020	PASS
Normal		0	13	0.016	
Normal		+10	13	0.016	
Normal		+20	-14	-0.017	
Normal		+30	-23	-0.027	
Normal		+40	-21	-0.025	
Normal		+45	-13	-0.016	
High	4.35	+20	-11	-0.013	
BATT.ENDPOINT	3.50	+20	13	0.016	

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	3.80	+20(Ref)	18	0.025	PASS
Normal		0	13	0.018	
Normal		+10	-2	-0.003	
Normal		+20	13	0.018	
Normal		+30	20	0.028	
Normal		+40	15	0.021	
Normal		+45	17	0.024	
High	4.35	+20	14	0.020	
BATT.ENDPOINT	3.50	+20	8	0.011	



LTE Band 17, QPSK, Channel 23790, Frequency 710MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	16	0.023	PASS
Normal		0	15	0.021	
Normal		+10	-8	-0.011	
Normal		+20	17	0.024	
Normal		+30	13	0.018	
Normal		+40	-7	-0.010	
Normal		+45	19	0.027	
High	4.35	+20	20	0.028	
BATT.ENDPOINT	3.50	+20	18	0.025	

LTE Band 25, QPSK, Channel 26365, Frequency 1882.5MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	20	0.011	PASS
Normal		0	-12	-0.006	
Normal		+10	14	0.007	
Normal		+20	22	0.012	
Normal		+30	12	0.006	
Normal		+40	17	0.009	
Normal		+45	-3	-0.002	
High	4.35	+20	16	0.008	
BATT.ENDPOINT	3.50	+20	13	0.007	



LTE Band 26, QPSK, Channel 26915, Frequency 836.5MHz Limit = ± 2.5 ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	15	0.018	PASS
Normal		0	6	0.007	
Normal		+10	15	0.018	
Normal		+20	14	0.017	
Normal		+30	17	0.020	
Normal		+40	19	0.023	
Normal		+45	20	0.024	
High	4.35	+20	9	0.011	
BATT.ENDPOINT	3.50	+20	15	0.018	

LTE Band 41, QPSK, Channel 40620, Frequency 2593.0MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-1	0.000	PASS
Normal		0	19	0.007	
Normal		+10	17	0.007	
Normal		+20	14	0.005	
Normal		+30	-20	-0.008	
Normal		+40	14	0.005	
Normal		+45	21	0.008	
High	4.35	+20	-11	-0.004	
BATT.ENDPOINT	3.50	+20	13	0.005	



LTE Band 66, QPSK, Channel 132322, Frequency 1745.0MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-16	-0.009	PASS
Normal		0	-19	-0.011	
Normal		+10	9	0.005	
Normal		+20	20	0.011	
Normal		+30	18	0.010	
Normal		+40	19	0.011	
Normal		+45	16	0.009	
High	4.35	+20	-13	-0.007	
BATT.ENDPOINT	3.50	+20	-8	-0.005	

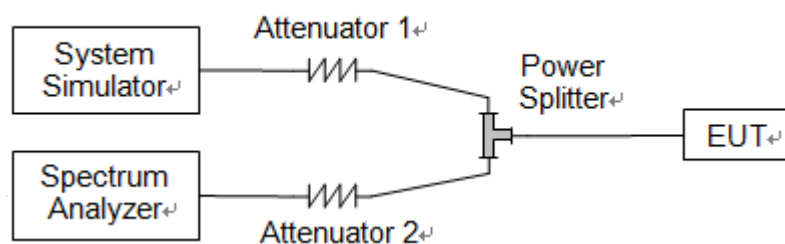
LTE Band 71, QPSK, Channel 133322, Frequency 683.0MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-2	-0.003	PASS
Normal		0	13	0.019	
Normal		+10	15	0.022	
Normal		+20	20	0.029	
Normal		+30	22	0.032	
Normal		+40	6	0.009	
Normal		+45	15	0.022	
High	4.35	+20	20	0.029	
BATT.ENDPOINT	3.50	+20	-22	-0.032	

2.4. Peak to Average Ratio

2.4.1. Requirement

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

2.4.2. Test Description



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

2.4.3. Test Procedure

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

2.4.4. Test Result

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



LTE Band 2					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.15	<=13	PASS
	Low	16QAM	6.00	<=13	PASS
	Mid	QPSK	5.31	<=13	PASS
	Mid	16QAM	6.08	<=13	PASS
	High	QPSK	5.73	<=13	PASS
	High	16QAM	6.37	<=13	PASS
3	Low	QPSK	5.34	<=13	PASS
	Low	16QAM	6.21	<=13	PASS
	Mid	QPSK	5.35	<=13	PASS
	Mid	16QAM	6.15	<=13	PASS
	High	QPSK	5.69	<=13	PASS
	High	16QAM	6.44	<=13	PASS
5	Low	QPSK	5.60	<=13	PASS
	Low	16QAM	6.22	<=13	PASS
	Mid	QPSK	5.49	<=13	PASS
	Mid	16QAM	6.11	<=13	PASS
	High	QPSK	5.71	<=13	PASS
	High	16QAM	6.38	<=13	PASS
10	Low	QPSK	5.66	<=13	PASS
	Low	16QAM	6.25	<=13	PASS
	Mid	QPSK	5.54	<=13	PASS
	Mid	16QAM	6.16	<=13	PASS
	High	QPSK	5.78	<=13	PASS
	High	16QAM	6.31	<=13	PASS
15	Low	QPSK	5.30	<=13	PASS
	Low	16QAM	6.01	<=13	PASS
	Mid	QPSK	5.38	<=13	PASS
	Mid	16QAM	6.05	<=13	PASS
	High	QPSK	5.61	<=13	PASS
	High	16QAM	6.25	<=13	PASS
20	Low	QPSK	5.26	<=13	PASS
	Low	16QAM	5.98	<=13	PASS
	Mid	QPSK	5.49	<=13	PASS
	Mid	16QAM	6.16	<=13	PASS
	High	QPSK	5.74	<=13	PASS
	High	16QAM	6.38	<=13	PASS



LTE Band 4					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.63	<=13	PASS
	Low	16QAM	6.36	<=13	PASS
	Mid	QPSK	5.28	<=13	PASS
	Mid	16QAM	5.96	<=13	PASS
	High	QPSK	5.44	<=13	PASS
	High	16QAM	6.28	<=13	PASS
3	Low	QPSK	5.77	<=13	PASS
	Low	16QAM	6.54	<=13	PASS
	Mid	QPSK	5.14	<=13	PASS
	Mid	16QAM	5.98	<=13	PASS
	High	QPSK	5.40	<=13	PASS
	High	16QAM	6.33	<=13	PASS
5	Low	QPSK	5.97	<=13	PASS
	Low	16QAM	6.59	<=13	PASS
	Mid	QPSK	5.38	<=13	PASS
	Mid	16QAM	6.06	<=13	PASS
	High	QPSK	5.68	<=13	PASS
	High	16QAM	6.36	<=13	PASS
10	Low	QPSK	5.66	<=13	PASS
	Low	16QAM	6.44	<=13	PASS
	Mid	QPSK	5.49	<=13	PASS
	Mid	16QAM	6.09	<=13	PASS
	High	QPSK	5.67	<=13	PASS
	High	16QAM	6.38	<=13	PASS
15	Low	QPSK	5.60	<=13	PASS
	Low	16QAM	6.23	<=13	PASS
	Mid	QPSK	5.38	<=13	PASS
	Mid	16QAM	6.05	<=13	PASS
	High	QPSK	5.64	<=13	PASS
	High	16QAM	6.31	<=13	PASS
20	Low	QPSK	5.60	<=13	PASS
	Low	16QAM	6.31	<=13	PASS
	Mid	QPSK	5.50	<=13	PASS
	Mid	16QAM	6.18	<=13	PASS
	High	QPSK	5.64	<=13	PASS
	High	16QAM	6.34	<=13	PASS





LTE Band 25					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.08	<=13	PASS
	Low	16QAM	6.04	<=13	PASS
	Mid	QPSK	5.48	<=13	PASS
	Mid	16QAM	6.20	<=13	PASS
	High	QPSK	5.47	<=13	PASS
	High	16QAM	6.20	<=13	PASS
3	Low	QPSK	5.35	<=13	PASS
	Low	16QAM	6.16	<=13	PASS
	Mid	QPSK	5.56	<=13	PASS
	Mid	16QAM	6.31	<=13	PASS
	High	QPSK	5.76	<=13	PASS
	High	16QAM	6.64	<=13	PASS
5	Low	QPSK	5.71	<=13	PASS
	Low	16QAM	6.29	<=13	PASS
	Mid	QPSK	5.74	<=13	PASS
	Mid	16QAM	6.35	<=13	PASS
	High	QPSK	5.85	<=13	PASS
	High	16QAM	6.44	<=13	PASS
10	Low	QPSK	5.64	<=13	PASS
	Low	16QAM	6.29	<=13	PASS
	Mid	QPSK	5.67	<=13	PASS
	Mid	16QAM	6.31	<=13	PASS
	High	QPSK	5.77	<=13	PASS
	High	16QAM	6.41	<=13	PASS
15	Low	QPSK	5.42	<=13	PASS
	Low	16QAM	6.11	<=13	PASS
	Mid	QPSK	5.69	<=13	PASS
	Mid	16QAM	6.31	<=13	PASS
	High	QPSK	5.79	<=13	PASS
	High	16QAM	6.36	<=13	PASS
20	Low	QPSK	5.35	<=13	PASS
	Low	16QAM	6.09	<=13	PASS
	Mid	QPSK	5.74	<=13	PASS
	Mid	16QAM	6.28	<=13	PASS
	High	QPSK	5.72	<=13	PASS
	High	16QAM	6.42	<=13	PASS



LTE Band 66					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.67	<=13	PASS
	Low	16QAM	6.49	<=13	PASS
	Mid	QPSK	5.75	<=13	PASS
	Mid	16QAM	6.57	<=13	PASS
	High	QPSK	5.98	<=13	PASS
	High	16QAM	6.63	<=13	PASS
3	Low	QPSK	5.88	<=13	PASS
	Low	16QAM	6.64	<=13	PASS
	Mid	QPSK	5.72	<=13	PASS
	Mid	16QAM	6.56	<=13	PASS
	High	QPSK	6.04	<=13	PASS
	High	16QAM	6.77	<=13	PASS
5	Low	QPSK	6.04	<=13	PASS
	Low	16QAM	6.69	<=13	PASS
	Mid	QPSK	5.81	<=13	PASS
	Mid	16QAM	6.45	<=13	PASS
	High	QPSK	5.87	<=13	PASS
	High	16QAM	6.48	<=13	PASS
10	Low	QPSK	5.79	<=13	PASS
	Low	16QAM	6.41	<=13	PASS
	Mid	QPSK	5.95	<=13	PASS
	Mid	16QAM	6.59	<=13	PASS
	High	QPSK	5.57	<=13	PASS
	High	16QAM	6.25	<=13	PASS
15	Low	QPSK	5.60	<=13	PASS
	Low	16QAM	6.37	<=13	PASS
	Mid	QPSK	5.73	<=13	PASS
	Mid	16QAM	6.53	<=13	PASS
	High	QPSK	5.49	<=13	PASS
	High	16QAM	5.95	<=13	PASS
20	Low	QPSK	5.68	<=13	PASS
	Low	16QAM	6.27	<=13	PASS
	Mid	QPSK	5.62	<=13	PASS
	Mid	16QAM	6.37	<=13	PASS
	High	QPSK	5.25	<=13	PASS
	High	16QAM	5.97	<=13	PASS

