



REPORT No. : SZ22090379W02

TEST REPORT

APPLICANT : Great Talent Technology Limited

PRODUCT NAME : Mobile Hotspot

MODEL NAME : RA312

BRAND NAME : N/A

FCC ID : 2ALZM-RA312

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

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Change History		
Version	Date	Reason for change
1.0	2022-12-12	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Great Talent Technology Limited
Applicant Address:	35F, HBC HuiLong Center Building-II Minzhi Street Longhua, Shenzhen, P.R. China
Manufacturer:	Great Talent Technology Limited
Manufacturer Address:	35F, HBC HuiLong Center Building-II Minzhi Street Longhua, Shenzhen, P.R. China

1.2. Equipment Under Test (EUT) Description

Product Name:	Mobile Hotspot	
Sample No.:	5#	
Hardware Version:	SUB_V1.0_0530	
Software Version:	L13_v1.0.8_RLK	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	CA Uplink+Downlink:CA_7C, CA_41C CA Downlink only: CA_2A-4A, CA_2A-5A, CA_2A-13A, CA_2A-66A, CA_4A-5A, CA_4A-13A, CA_5A-66A, CA_13A-66A, CA_2C, CA_2A-2A, CA_4A-4A, CA_5B, CA_5A-5A, CA_66A-66A, CA_66B, CA_66C, CA_13A-66B, CA_13A-66C, CA_2A-5B, CA_2A-66B, CA_2A-66C, CA_2C-5A, CA_2C-66A, CA_4A-5B, CA_5B-66A, CA_5A-66B, CA_5A-66C, CA_66A-66B, CA_66A-66C, CA_66D, CA_2A-2A-4A, CA_2A-2A-5A, CA_2A-2A-13A, CA_2A-2A-66A, CA_2A-4A-4A, CA_2A-4A-5A, CA_2A-4A-13A, CA_2A-5A-66A, CA_2A-13A-66A, CA_2A-66A-66A, CA_4A-4A-5A, CA_4A-4A-13A, CA_5A-5A-66A, CA_5A-66A-66A, CA_13A-66A-66A	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 13 / 25 / 26 / 38 / 41 / 42 / 66 / 71	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz



Frequency Range:	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz–716MHz
		Rx: 729MHz–746MHz
	LTE Band 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz
	LTE Band 25	Tx: 1850MHz–1915MHz
		Rx: 1930MHz–1995MHz
	LTE Band 26	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 38	Tx: 2570MHz–2620MHz
		Rx: 2570MHz–2620MHz
	LTE Band 41	Tx: 2496MHz –2690MHz
		Rx: 2496MHz –2690MHz
Channel Bandwidth:	LTE Band 42	Tx: 3450MHz–3550MHz
		Rx: 3450MHz–3550MHz
	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz –2200MHz
	LTE Band 71	Tx: 663MHz –698MHz
		Rx: 617MHz –652MHz
	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15 MHz, 20 MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 13	5 MHz, 10MHz
	LTE Band 25	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 26	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
	LTE Band 38	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 42	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	3.22dBi
	LTE Band 4	3.04dBi
	LTE Band 5	-0.34dBi
	LTE Band 7	1.77dBi
	LTE Band 12	-3.76dBi
	LTE Band 13	-1.65dBi
	LTE Band 25	3.22dBi
	LTE Band 26	0.30dBi
	LTE Band 38	2.19dBi
	LTE Band 41	2.67dBi
	LTE Band 42	1.89dBi
	LTE Band 66	3.25dBi
	LTE Band 71	-3.69dBi
Accessory Information:	Battery	
	Brand Name:	N/A
	Model No.:	BTE-3401
	Serial No.:	N/A
	Capacity:	3400mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	Phenix New Energy (Hui Zhou) Co., Ltd.
	AC Adapter	
	Brand Name:	N/A
	Model No.:	TPA-5950100UU
	Serial No.:	N/A
	Rated Output:	5V=1A
	Rated Input:	100-240V~50/60Hz, 0.2A
	Manufacturer:	Shenzhen kingfulin Technology Co.,Ltd

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



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

LTE Band 2	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.387	0.312	0.310	18M0G7D	18M0W7D	18M0W7D
15	0.386	0.321	0.318	13M5G7D	13M5W7D	13M5W7D
10	0.385	0.317	0.317	9M00G7D	8M97W7D	8M98W7D
5	0.384	0.315	0.313	4M51G7D	4M51W7D	4M52W7D
3	0.382	0.319	0.318	2M70G7D	2M71W7D	2M70W7D
1.4	0.386	0.326	0.318	1M09G7D	1M10W7D	1M10W7D
LTE Band 4	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.290	0.241	0.238	18M0G7D	18M0W7D	18M0W7D
15	0.288	0.247	0.243	13M5G7D	13M5W7D	13M5W7D
10	0.288	0.247	0.239	9M01G7D	8M98W7D	8M99W7D
5	0.288	0.242	0.236	4M51G7D	4M51W7D	4M52W7D
3	0.287	0.241	0.243	2M70G7D	2M71W7D	2M71W7D
1.4	0.287	0.244	0.242	1M10G7D	1M10W7D	1M10W7D
LTE Band 5	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.121	0.097	0.100	9M03G7D	8M98W7D	9M00W7D
5	0.119	0.098	0.097	4M52G7D	4M51W7D	4M53W7D
3	0.120	0.099	0.097	2M71G7D	2M71W7D	2M71W7D
1.4	0.120	0.097	0.096	1M10G7D	1M10W7D	1M10W7D
LTE Band 7	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.285	0.229	0.224	17M9G7D	18M0W7D	18M0W7D
15	0.281	0.228	0.226	13M5G7D	13M5W7D	13M5W7D
10	0.282	0.226	0.226	9M00G7D	8M97W7D	10M8W7D
5	0.282	0.223	0.232	4M52G7D	4M51W7D	4M50W7D
LTE Band 12	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.061	0.048	0.048	9M00G7D	8M97W7D	8M99W7D
5	0.060	0.048	0.048	4M51G7D	4M50W7D	4M51W7D
3	0.060	0.048	0.047	2M71G7D	2M71W7D	2M71W7D
1.4	0.059	0.047	0.047	1M09G7D	1M10W7D	1M10W7D



LTE Band 13	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.095	0.077	0.077	8M98G7D	8M94W7D	8M96W7D
5	0.094	0.074	0.073	4M51G7D	4M50W7D	4M49W7D
LTE Band 25	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.405	0.325	0.316	18M0G7D	17M9W7D	18M0W7D
15	0.402	0.316	0.314	13M5G7D	13M5W7D	13M4W7D
10	0.402	0.322	0.324	9M00G7D	8M96W7D	8M99W7D
5	0.399	0.316	0.323	4M52G7D	4M51W7D	4M53W7D
3	0.403	0.324	0.316	2M71G7D	2M72W7D	2M72W7D
1.4	0.399	0.314	0.318	1M10G7D	1M10W7D	1M10W7D
LTE Band 26	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15	0.130	0.104	0.102	13M5G7D	13M4W7D	13M5W7D
10	0.129	0.100	0.102	9M01G7D	9M02W7D	8M99W7D
5	0.127	0.097	0.102	4M51G7D	4M52W7D	4M52W7D
3	0.126	0.099	0.100	2M71G7D	2M71W7D	2M71W7D
1.4	0.125	0.100	0.098	1M10G7D	1M10W7D	1M10W7D
LTE Band 38	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.307	0.247	0.247	18M0G7D	18M0W7D	18M0W7D
15	0.305	0.252	0.252	13M5G7D	13M5W7D	13M5W7D
10	0.303	0.246	0.249	9M01G7D	8M99W7D	9M01W7D
5	0.304	0.251	0.255	4M52G7D	4M51W7D	4M52W7D
LTE Band 41	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.402	0.330	0.316	17M9G7D	17M9W7D	17M9W7D
15	0.391	0.343	0.321	13M5G7D	13M5W7D	13M5W7D
10	0.393	0.340	0.338	8M98G7D	8M97W7D	8M98W7D
5	0.394	0.338	0.326	4M51G7D	4M51W7D	4M51W7D
LTE Band 42	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.292	0.234	0.230	18M0G7D	18M0W7D	18M0W7D
15	0.288	0.237	0.229	13M5G7D	13M5W7D	13M5W7D
10	0.284	0.239	0.230	8M99G7D	8M97W7D	8M98W7D
5	0.288	0.238	0.239	4M52G7D	4M51W7D	4M52W7D



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LTE Band 66	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.320	0.254	0.256	18M0G7D	18M0W7D	17M9W7D
15	0.310	0.256	0.256	13M5G7D	13M5W7D	13M5W7D
10	0.310	0.255	0.254	9M00G7D	8M97W7D	8M99W7D
5	0.305	0.252	0.256	4M51G7D	4M51W7D	4M52W7D
3	0.311	0.253	0.259	2M71G7D	2M71W7D	2M72W7D
1.4	0.310	0.256	0.256	1M10G7D	1M10W7D	1M10W7D
LTE Band 71	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.062	0.049	0.050	18M0G7D	18M0W7D	18M0W7D
15	0.059	0.047	0.047	13M5G7D	13M5W7D	13M5W7D
10	0.060	0.048	0.048	9M03G7D	8M96W7D	9M00W7D
5	0.060	0.047	0.047	4M51G7D	4M51W7D	4M52W7D



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2) 27.50(k)(3)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Nov. 16, 2022	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Nov. 01, 2022	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Oct. 31, 2022	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5) 27.50(k)(4)	Peak to Average Radio	Nov. 01, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Nov. 01, 2022	Li Huaijie	PASS	No deviation

27.53(l)(2) 27.53(n)(2)					
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4) 27.53(l)(2) 27.53(n)(2)	Band Edge	Oct. 31, 2022	Li Huaijie	PASS	No deviation
2.1053 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4) 27.53(l)(2) 27.53(n)(2)	Radiated Spurious Emissions	Nov. 06, 2022	Gao Jianrou	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 27 F&H&L&M&N&Q 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.

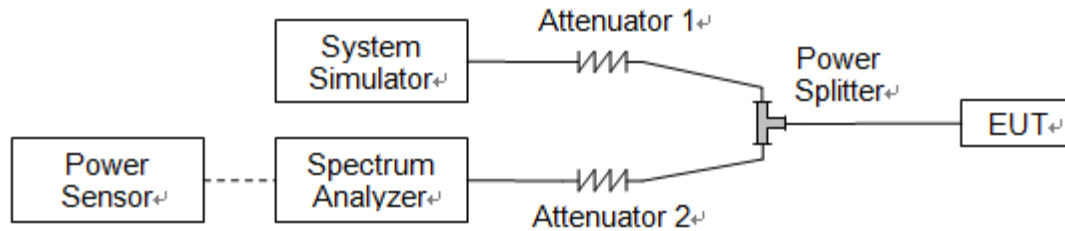
According to FCC section 27.50 (h)(2) for LTE Band 7/38/41, Mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

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

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

According to FCC section 27.50(k)(3) for Band 42, Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

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	22.66	22.61	22.53
20	QPSK	1	49	22.56	22.56	22.48
20	QPSK	1	99	22.57	22.53	22.50
20	QPSK	50	0	21.57	21.61	21.58
20	QPSK	50	24	21.62	21.57	21.54
20	QPSK	50	50	21.59	21.56	21.51
20	QPSK	100	0	21.52	21.58	21.49
20	16QAM	1	0	21.65	21.72	21.55
20	16QAM	1	49	21.53	21.61	21.59
20	16QAM	1	99	21.60	21.66	21.52
20	16QAM	50	0	20.68	20.77	20.65
20	16QAM	50	24	20.53	20.65	20.59
20	16QAM	50	50	20.70	20.68	20.62
20	16QAM	100	0	20.63	20.71	20.63
20	64QAM	1	0	21.55	21.70	21.63
20	64QAM	1	49	21.62	21.64	21.59
20	64QAM	1	99	21.63	21.59	21.55
20	64QAM	50	0	20.66	20.63	20.68
20	64QAM	50	24	20.53	20.58	20.53
20	64QAM	50	50	20.48	20.53	20.50
20	64QAM	100	0	20.56	20.64	20.53



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	22.60	22.49	22.65
15	QPSK	1	37	22.56	22.53	22.65
15	QPSK	1	74	22.43	22.61	22.30
15	QPSK	36	0	21.63	21.62	21.62
15	QPSK	36	20	21.65	21.37	21.45
15	QPSK	36	39	21.47	21.75	21.60
15	QPSK	75	0	21.42	21.63	21.35
15	16QAM	1	0	21.84	21.66	21.69
15	16QAM	1	37	21.54	21.48	21.43
15	16QAM	1	74	21.56	21.69	21.37
15	16QAM	36	0	20.86	20.87	20.49
15	16QAM	36	20	20.62	20.63	20.47
15	16QAM	36	39	20.77	20.50	20.78
15	16QAM	75	0	20.65	20.75	20.60
15	64QAM	1	0	21.67	21.73	21.65
15	64QAM	1	37	21.68	21.81	21.65
15	64QAM	1	74	21.64	21.76	21.66
15	64QAM	36	0	20.75	20.58	20.50
15	64QAM	36	20	20.66	20.63	20.36
15	64QAM	36	39	20.43	20.64	20.48
15	64QAM	75	0	20.65	20.66	20.52



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.56	22.58	22.63
10	QPSK	1	25	22.60	22.57	22.41
10	QPSK	1	49	22.48	22.40	22.43
10	QPSK	25	0	21.59	21.41	21.69
10	QPSK	25	12	21.43	21.45	21.39
10	QPSK	25	25	21.70	21.43	21.68
10	QPSK	50	0	21.51	21.59	21.34
10	16QAM	1	0	21.62	21.56	21.52
10	16QAM	1	25	21.44	21.79	21.63
10	16QAM	1	49	21.64	21.65	21.35
10	16QAM	25	0	20.62	20.69	20.84
10	16QAM	25	12	20.58	20.50	20.52
10	16QAM	25	25	20.85	20.51	20.48
10	16QAM	50	0	20.54	20.55	20.80
10	64QAM	1	0	21.63	21.79	21.56
10	64QAM	1	25	21.44	21.69	21.48
10	64QAM	1	49	21.44	21.48	21.37
10	64QAM	25	0	20.82	20.44	20.52
10	64QAM	25	12	20.44	20.45	20.45
10	64QAM	25	25	20.38	20.38	20.54
10	64QAM	50	0	20.41	20.75	20.42



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	22.62	22.56	22.59
5	QPSK	1	12	22.55	22.54	22.48
5	QPSK	1	24	22.42	22.46	22.31
5	QPSK	12	0	21.47	21.60	21.73
5	QPSK	12	7	21.54	21.62	21.51
5	QPSK	12	13	21.62	21.36	21.40
5	QPSK	25	0	21.48	21.55	21.29
5	16QAM	1	0	21.46	21.76	21.54
5	16QAM	1	12	21.57	21.58	21.49
5	16QAM	1	24	21.67	21.75	21.37
5	16QAM	12	0	20.62	20.80	20.50
5	16QAM	12	7	20.46	20.73	20.43
5	16QAM	12	13	20.51	20.71	20.51
5	16QAM	25	0	20.73	20.59	20.58
5	64QAM	1	0	21.65	21.74	21.44
5	64QAM	1	12	21.51	21.65	21.68
5	64QAM	1	24	21.72	21.51	21.59
5	64QAM	12	0	20.56	20.81	20.54
5	64QAM	12	7	20.53	20.50	20.62
5	64QAM	12	13	20.67	20.40	20.44
5	64QAM	25	0	20.73	20.46	20.55



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	22.60	22.58	22.49
3	QPSK	1	8	22.45	22.60	22.39
3	QPSK	1	14	22.53	22.55	22.58
3	QPSK	8	0	21.62	21.60	21.73
3	QPSK	8	4	21.74	21.40	21.43
3	QPSK	8	7	21.68	21.64	21.54
3	QPSK	15	0	21.56	21.65	21.41
3	16QAM	1	0	21.63	21.62	21.43
3	16QAM	1	8	21.36	21.63	21.42
3	16QAM	1	14	21.67	21.82	21.35
3	16QAM	8	0	20.55	20.63	20.51
3	16QAM	8	4	20.60	20.83	20.78
3	16QAM	8	7	20.78	20.69	20.43
3	16QAM	15	0	20.83	20.57	20.78
3	64QAM	1	0	21.71	21.80	21.77
3	64QAM	1	8	21.68	21.67	21.52
3	64QAM	1	14	21.72	21.58	21.42
3	64QAM	8	0	20.48	20.67	20.63
3	64QAM	8	4	20.65	20.64	20.51
3	64QAM	8	7	20.51	20.73	20.44
3	64QAM	15	0	20.68	20.54	20.67



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	22.60	22.57	22.57
1.4	QPSK	1	3	22.42	22.59	22.54
1.4	QPSK	1	5	22.50	22.55	22.65
1.4	QPSK	3	0	21.58	21.67	21.63
1.4	QPSK	3	1	21.77	21.55	21.74
1.4	QPSK	3	3	21.62	21.72	21.51
1.4	QPSK	6	0	21.51	21.63	21.41
1.4	16QAM	1	0	21.55	21.91	21.57
1.4	16QAM	1	3	21.65	21.73	21.51
1.4	16QAM	1	5	21.77	21.63	21.69
1.4	16QAM	3	0	20.63	20.76	20.83
1.4	16QAM	3	1	20.55	20.67	20.64
1.4	16QAM	3	3	20.67	20.59	20.64
1.4	16QAM	6	0	20.75	20.86	20.56
1.4	64QAM	1	0	21.56	21.69	21.80
1.4	64QAM	1	3	21.65	21.58	21.46
1.4	64QAM	1	5	21.50	21.39	21.57
1.4	64QAM	3	0	20.54	20.56	20.63
1.4	64QAM	3	1	20.61	20.51	20.59
1.4	64QAM	3	3	20.50	20.65	20.58
1.4	64QAM	6	0	20.66	20.51	20.51



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	21.45	21.59	21.57
20	QPSK	1	49	21.50	21.54	21.40
20	QPSK	1	99	21.56	21.40	21.30
20	QPSK	50	0	20.54	20.73	20.67
20	QPSK	50	24	20.44	20.75	20.42
20	QPSK	50	50	20.50	20.51	20.53
20	QPSK	100	0	20.56	20.60	20.42
20	16QAM	1	0	20.61	20.62	20.52
20	16QAM	1	49	20.33	20.61	20.52
20	16QAM	1	99	20.78	20.47	20.50
20	16QAM	50	0	19.81	19.83	19.68
20	16QAM	50	24	19.61	19.50	19.39
20	16QAM	50	50	19.55	19.59	19.62
20	16QAM	100	0	19.56	19.60	19.72
20	64QAM	1	0	20.56	20.56	20.50
20	64QAM	1	49	20.62	20.56	20.47
20	64QAM	1	99	20.73	20.50	20.57
20	64QAM	50	0	19.62	19.50	19.55
20	64QAM	50	24	19.51	19.53	19.54
20	64QAM	50	50	19.65	19.52	19.50
20	64QAM	100	0	19.73	19.78	19.38



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	21.52	21.56	21.53
15	QPSK	1	37	21.39	21.38	21.29
15	QPSK	1	74	21.39	21.52	21.53
15	QPSK	36	0	20.52	20.69	20.50
15	QPSK	36	20	20.52	20.49	20.43
15	QPSK	36	39	20.55	20.54	20.62
15	QPSK	75	0	20.63	20.76	20.40
15	16QAM	1	0	20.68	20.88	20.70
15	16QAM	1	37	20.47	20.52	20.79
15	16QAM	1	74	20.40	20.66	20.46
15	16QAM	36	0	19.57	19.63	19.80
15	16QAM	36	20	19.54	19.66	19.43
15	16QAM	36	39	19.57	19.62	19.76
15	16QAM	75	0	19.54	19.61	19.75
15	64QAM	1	0	20.52	20.54	20.81
15	64QAM	1	37	20.68	20.50	20.43
15	64QAM	1	74	20.73	20.67	20.45
15	64QAM	36	0	19.60	19.59	19.88
15	64QAM	36	20	19.45	19.43	19.41
15	64QAM	36	39	19.43	19.71	19.59
15	64QAM	75	0	19.56	19.64	19.45



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	21.53	21.56	21.52
10	QPSK	1	25	21.49	21.44	21.50
10	QPSK	1	49	21.52	21.48	21.36
10	QPSK	25	0	20.37	20.56	20.67
10	QPSK	25	12	20.71	20.72	20.39
10	QPSK	25	25	20.67	20.70	20.33
10	QPSK	50	0	20.34	20.62	20.34
10	16QAM	1	0	20.81	20.89	20.46
10	16QAM	1	25	20.64	20.57	20.40
10	16QAM	1	49	20.53	20.54	20.64
10	16QAM	25	0	19.56	19.79	19.47
10	16QAM	25	12	19.57	19.55	19.40
10	16QAM	25	25	19.59	19.50	19.74
10	16QAM	50	0	19.67	19.75	19.49
10	64QAM	1	0	20.35	20.75	20.50
10	64QAM	1	25	20.53	20.45	20.49
10	64QAM	1	49	20.47	20.46	20.60
10	64QAM	25	0	19.50	19.80	19.78
10	64QAM	25	12	19.61	19.77	19.40
10	64QAM	25	25	19.45	19.52	19.35
10	64QAM	50	0	19.61	19.65	19.35



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	21.47	21.55	21.49
5	QPSK	1	12	21.54	21.53	21.48
5	QPSK	1	24	21.50	21.44	21.51
5	QPSK	12	0	20.37	20.68	20.47
5	QPSK	12	7	20.55	20.50	20.71
5	QPSK	12	13	20.71	20.69	20.33
5	QPSK	25	0	20.35	20.72	20.37
5	16QAM	1	0	20.80	20.72	20.41
5	16QAM	1	12	20.53	20.59	20.69
5	16QAM	1	24	20.72	20.73	20.34
5	16QAM	12	0	19.66	19.77	19.79
5	16QAM	12	7	19.70	19.71	19.44
5	16QAM	12	13	19.81	19.83	19.66
5	16QAM	25	0	19.48	19.70	19.83
5	64QAM	1	0	20.66	20.51	20.43
5	64QAM	1	12	20.55	20.61	20.68
5	64QAM	1	24	20.62	20.55	20.66
5	64QAM	12	0	19.80	19.59	19.85
5	64QAM	12	7	19.48	19.53	19.50
5	64QAM	12	13	19.61	19.35	19.54
5	64QAM	25	0	19.74	19.76	19.53



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	21.43	21.54	21.47
3	QPSK	1	8	21.52	21.46	21.41
3	QPSK	1	14	21.47	21.50	21.53
3	QPSK	8	0	20.55	20.42	20.43
3	QPSK	8	4	20.67	20.53	20.61
3	QPSK	8	7	20.60	20.71	20.55
3	QPSK	15	0	20.53	20.64	20.64
3	16QAM	1	0	20.48	20.72	20.36
3	16QAM	1	8	20.36	20.78	20.68
3	16QAM	1	14	20.72	20.67	20.34
3	16QAM	8	0	19.87	19.84	19.66
3	16QAM	8	4	19.49	19.72	19.54
3	16QAM	8	7	19.50	19.72	19.67
3	16QAM	15	0	19.69	19.88	19.67
3	64QAM	1	0	20.36	20.72	20.81
3	64QAM	1	8	20.80	20.62	20.44
3	64QAM	1	14	20.45	20.76	20.57
3	64QAM	8	0	19.47	19.69	19.86
3	64QAM	8	4	19.69	19.46	19.68
3	64QAM	8	7	19.53	19.62	19.50
3	64QAM	15	0	19.48	19.59	19.69



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	21.53	21.54	21.51
1.4	QPSK	1	3	21.44	21.41	21.45
1.4	QPSK	1	5	21.49	21.41	21.48
1.4	QPSK	3	0	20.57	20.54	20.61
1.4	QPSK	3	1	20.80	20.77	20.57
1.4	QPSK	3	3	20.61	20.58	20.63
1.4	QPSK	6	0	20.32	20.78	20.48
1.4	16QAM	1	0	20.60	20.55	20.40
1.4	16QAM	1	3	20.55	20.54	20.68
1.4	16QAM	1	5	20.69	20.83	20.63
1.4	16QAM	3	0	19.87	19.95	19.73
1.4	16QAM	3	1	19.64	19.72	19.72
1.4	16QAM	3	3	19.64	19.50	19.78
1.4	16QAM	6	0	19.82	19.83	19.78
1.4	64QAM	1	0	20.69	20.50	20.46
1.4	64QAM	1	3	20.72	20.72	20.54
1.4	64QAM	1	5	20.80	20.79	20.63
1.4	64QAM	3	0	19.81	19.78	19.69
1.4	64QAM	3	1	19.59	19.61	19.64
1.4	64QAM	3	3	19.58	19.67	19.65
1.4	64QAM	6	0	19.59	19.65	19.35



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.20	23.33	23.13
10	QPSK	1	25	23.21	23.11	23.16
10	QPSK	1	49	23.11	23.05	23.11
10	QPSK	25	0	22.32	22.04	22.35
10	QPSK	25	12	22.04	22.19	22.17
10	QPSK	25	25	22.15	22.15	22.04
10	QPSK	50	0	22.05	21.99	22.04
10	16QAM	1	0	22.18	22.24	22.25
10	16QAM	1	25	22.19	22.20	22.37
10	16QAM	1	49	22.03	22.26	22.19
10	16QAM	25	0	21.36	21.26	21.42
10	16QAM	25	12	21.32	21.06	20.99
10	16QAM	25	25	21.29	21.28	21.40
10	16QAM	50	0	21.30	21.21	21.09
10	64QAM	1	0	22.07	22.50	22.14
10	64QAM	1	25	22.08	22.17	22.09
10	64QAM	1	49	22.43	22.02	22.24
10	64QAM	25	0	21.16	21.35	21.42
10	64QAM	25	12	21.03	21.31	21.03
10	64QAM	25	25	21.28	21.07	21.17
10	64QAM	50	0	21.11	21.40	21.19



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	23.25	23.26	23.16
5	QPSK	1	12	23.16	23.14	23.19
5	QPSK	1	24	23.12	23.17	23.16
5	QPSK	12	0	22.32	22.06	22.15
5	QPSK	12	7	22.14	21.99	22.15
5	QPSK	12	13	22.08	22.28	22.03
5	QPSK	25	0	22.19	22.31	22.00
5	16QAM	1	0	22.39	22.13	21.97
5	16QAM	1	12	22.18	22.16	22.06
5	16QAM	1	24	22.24	22.34	22.30
5	16QAM	12	0	21.16	21.26	21.18
5	16QAM	12	7	20.95	21.42	21.26
5	16QAM	12	13	21.16	21.30	21.08
5	16QAM	25	0	21.28	21.22	21.03
5	64QAM	1	0	21.96	22.19	22.24
5	64QAM	1	12	22.07	22.30	22.03
5	64QAM	1	24	22.38	22.14	21.99
5	64QAM	12	0	21.14	21.09	21.13
5	64QAM	12	7	21.11	21.23	21.27
5	64QAM	12	13	20.99	21.09	21.07
5	64QAM	25	0	20.97	21.39	21.01



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	23.07	23.29	23.24
3	QPSK	1	8	23.27	23.25	23.25
3	QPSK	1	14	23.16	23.22	23.02
3	QPSK	8	0	22.28	22.22	21.99
3	QPSK	8	4	22.19	22.20	22.14
3	QPSK	8	7	22.34	21.96	22.06
3	QPSK	15	0	22.11	22.00	22.25
3	16QAM	1	0	22.45	22.37	22.23
3	16QAM	1	8	22.15	22.07	22.25
3	16QAM	1	14	22.08	22.09	22.16
3	16QAM	8	0	21.29	21.38	21.41
3	16QAM	8	4	21.04	21.33	21.04
3	16QAM	8	7	21.47	21.45	21.07
3	16QAM	15	0	21.08	21.47	21.34
3	64QAM	1	0	22.29	22.35	22.19
3	64QAM	1	8	22.11	22.22	22.28
3	64QAM	1	14	22.36	22.23	22.33
3	64QAM	8	0	21.36	21.34	21.41
3	64QAM	8	4	20.99	21.09	21.18
3	64QAM	8	7	20.92	21.28	21.16
3	64QAM	15	0	21.36	21.28	21.24



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	23.26	23.24	23.28
1.4	QPSK	1	3	23.02	23.13	23.20
1.4	QPSK	1	5	23.08	23.09	23.25
1.4	QPSK	3	0	22.35	22.11	22.28
1.4	QPSK	3	1	22.05	22.26	22.04
1.4	QPSK	3	3	22.38	22.25	22.09
1.4	QPSK	6	0	22.24	22.28	22.11
1.4	16QAM	1	0	22.38	22.22	22.35
1.4	16QAM	1	3	22.00	22.10	22.33
1.4	16QAM	1	5	22.33	22.28	22.02
1.4	16QAM	3	0	21.36	21.48	21.16
1.4	16QAM	3	1	21.32	21.07	21.11
1.4	16QAM	3	3	21.39	21.38	21.32
1.4	16QAM	6	0	21.27	21.36	21.43
1.4	64QAM	1	0	22.12	22.23	22.14
1.4	64QAM	1	3	22.31	22.16	22.24
1.4	64QAM	1	5	22.05	22.06	22.33
1.4	64QAM	3	0	21.25	21.32	21.40
1.4	64QAM	3	1	21.07	21.30	21.33
1.4	64QAM	3	3	21.09	21.08	21.05
1.4	64QAM	6	0	21.34	21.40	21.19



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	22.65	22.78	22.68
20	QPSK	1	49	22.36	22.37	22.58
20	QPSK	1	99	22.37	22.35	22.44
20	QPSK	50	0	21.66	21.69	21.61
20	QPSK	50	24	21.59	21.65	21.34
20	QPSK	50	50	21.71	21.57	21.67
20	QPSK	100	0	21.64	21.41	21.37
20	16QAM	1	0	21.71	21.82	21.62
20	16QAM	1	49	21.46	21.77	21.64
20	16QAM	1	99	21.41	21.81	21.63
20	16QAM	50	0	20.57	20.60	20.58
20	16QAM	50	24	20.70	20.59	20.42
20	16QAM	50	50	20.62	20.55	20.43
20	16QAM	100	0	20.44	20.90	20.58
20	64QAM	1	0	21.66	21.57	21.49
20	64QAM	1	49	21.50	21.52	21.73
20	64QAM	1	99	21.56	21.48	21.55
20	64QAM	50	0	20.79	20.45	20.74
20	64QAM	50	24	20.33	20.75	20.52
20	64QAM	50	50	20.55	20.72	20.61
20	64QAM	100	0	20.75	20.58	20.70



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	22.66	22.69	22.72
15	QPSK	1	37	22.51	22.63	22.67
15	QPSK	1	74	22.59	22.54	22.40
15	QPSK	36	0	21.77	21.58	21.47
15	QPSK	36	20	21.78	21.43	21.51
15	QPSK	36	39	21.65	21.73	21.39
15	QPSK	75	0	21.71	21.39	21.65
15	16QAM	1	0	21.81	21.57	21.54
15	16QAM	1	37	21.48	21.70	21.40
15	16QAM	1	74	21.54	21.51	21.71
15	16QAM	36	0	20.73	20.66	20.55
15	16QAM	36	20	20.45	20.84	20.74
15	16QAM	36	39	20.50	20.51	20.43
15	16QAM	75	0	20.72	20.73	20.83
15	64QAM	1	0	21.51	21.66	21.71
15	64QAM	1	37	21.70	21.59	21.48
15	64QAM	1	74	21.78	21.54	21.73
15	64QAM	36	0	20.49	20.74	20.67
15	64QAM	36	20	20.59	20.57	20.43
15	64QAM	36	39	20.34	20.57	20.55
15	64QAM	75	0	20.62	20.74	20.54



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	22.74	22.62	22.59
10	QPSK	1	25	22.72	22.60	22.38
10	QPSK	1	49	22.50	22.38	22.49
10	QPSK	25	0	21.73	21.52	21.47
10	QPSK	25	12	21.52	21.59	21.54
10	QPSK	25	25	21.77	21.52	21.59
10	QPSK	50	0	21.59	21.55	21.64
10	16QAM	1	0	21.68	21.59	21.65
10	16QAM	1	25	21.41	21.78	21.64
10	16QAM	1	49	21.69	21.46	21.35
10	16QAM	25	0	20.59	20.89	20.58
10	16QAM	25	12	20.51	20.65	20.48
10	16QAM	25	25	20.89	20.50	20.72
10	16QAM	50	0	20.52	20.86	20.71
10	64QAM	1	0	21.68	21.56	21.52
10	64QAM	1	25	21.51	21.55	21.65
10	64QAM	1	49	21.78	21.74	21.74
10	64QAM	25	0	20.83	20.54	20.60
10	64QAM	25	12	20.57	20.78	20.53
10	64QAM	25	25	20.38	20.63	20.57
10	64QAM	50	0	20.70	20.45	20.56



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	22.65	22.57	22.73
5	QPSK	1	12	22.49	22.69	22.65
5	QPSK	1	24	22.53	22.48	22.63
5	QPSK	12	0	21.73	21.77	21.43
5	QPSK	12	7	21.75	21.77	21.48
5	QPSK	12	13	21.49	21.47	21.68
5	QPSK	25	0	21.42	21.50	21.30
5	16QAM	1	0	21.53	21.59	21.72
5	16QAM	1	12	21.59	21.64	21.48
5	16QAM	1	24	21.72	21.70	21.62
5	16QAM	12	0	20.64	20.78	20.83
5	16QAM	12	7	20.47	20.46	20.47
5	16QAM	12	13	20.88	20.57	20.64
5	16QAM	25	0	20.46	20.52	20.73
5	64QAM	1	0	21.58	21.89	21.72
5	64QAM	1	12	21.45	21.82	21.50
5	64QAM	1	24	21.58	21.45	21.70
5	64QAM	12	0	20.52	20.56	20.68
5	64QAM	12	7	20.59	20.54	20.40
5	64QAM	12	13	20.32	20.57	20.39
5	64QAM	25	0	20.48	20.55	20.39



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.56	23.74	23.65
10	QPSK	1	25	23.58	23.47	23.58
10	QPSK	1	49	23.65	23.63	23.41
10	QPSK	25	0	22.35	22.63	22.61
10	QPSK	25	12	22.52	22.53	22.45
10	QPSK	25	25	22.68	22.60	22.44
10	QPSK	50	0	22.46	22.66	22.24
10	16QAM	1	0	22.75	22.65	22.43
10	16QAM	1	25	22.38	22.68	22.43
10	16QAM	1	49	22.64	22.76	22.47
10	16QAM	25	0	21.72	21.71	21.69
10	16QAM	25	12	21.57	21.67	21.47
10	16QAM	25	25	21.43	21.41	21.58
10	16QAM	50	0	21.56	21.54	21.33
10	64QAM	1	0	22.31	22.72	22.64
10	64QAM	1	25	22.47	22.35	22.57
10	64QAM	1	49	22.55	22.69	22.51
10	64QAM	25	0	21.50	21.59	21.57
10	64QAM	25	12	21.36	21.28	21.42
10	64QAM	25	25	21.57	21.40	21.24
10	64QAM	50	0	21.34	21.64	21.39



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.56	23.71	23.43
5	QPSK	1	12	23.29	23.36	23.53
5	QPSK	1	24	23.56	23.32	23.57
5	QPSK	12	0	22.67	22.62	22.60
5	QPSK	12	7	22.54	22.51	22.56
5	QPSK	12	13	22.66	22.28	22.25
5	QPSK	25	0	22.60	22.57	22.20
5	16QAM	1	0	22.67	22.67	22.33
5	16QAM	1	12	22.26	22.54	22.46
5	16QAM	1	24	22.34	22.70	22.31
5	16QAM	12	0	21.67	21.48	21.55
5	16QAM	12	7	21.56	21.35	21.69
5	16QAM	12	13	21.70	21.65	21.58
5	16QAM	25	0	21.39	21.65	21.64
5	64QAM	1	0	22.47	22.52	22.64
5	64QAM	1	12	22.43	22.72	22.54
5	64QAM	1	24	22.51	22.53	22.47
5	64QAM	12	0	21.61	21.52	21.50
5	64QAM	12	7	21.41	21.49	21.39
5	64QAM	12	13	21.44	21.57	21.32
5	64QAM	25	0	21.32	21.57	21.59



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.67	23.63	23.52
3	QPSK	1	8	23.42	23.41	23.53
3	QPSK	1	14	23.56	23.39	23.44
3	QPSK	8	0	22.32	22.47	22.38
3	QPSK	8	4	22.58	22.55	22.61
3	QPSK	8	7	22.51	22.34	22.25
3	QPSK	15	0	22.48	22.58	22.37
3	16QAM	1	0	22.44	22.67	22.33
3	16QAM	1	8	22.42	22.44	22.56
3	16QAM	1	14	22.55	22.69	22.51
3	16QAM	8	0	21.71	21.51	21.68
3	16QAM	8	4	21.42	21.72	21.50
3	16QAM	8	7	21.49	21.42	21.43
3	16QAM	15	0	21.44	21.51	21.61
3	64QAM	1	0	22.54	22.52	22.45
3	64QAM	1	8	22.60	22.50	22.40
3	64QAM	1	14	22.57	22.49	22.57
3	64QAM	8	0	21.66	21.52	21.38
3	64QAM	8	4	21.32	21.66	21.43
3	64QAM	8	7	21.48	21.32	21.22
3	64QAM	15	0	21.52	21.38	21.23



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.56	23.64	23.62
1.4	QPSK	1	3	23.46	23.36	23.33
1.4	QPSK	1	5	23.47	23.57	23.30
1.4	QPSK	3	0	22.55	22.71	22.57
1.4	QPSK	3	1	22.68	22.53	22.58
1.4	QPSK	3	3	22.50	22.61	22.55
1.4	QPSK	6	0	22.30	22.54	22.55
1.4	16QAM	1	0	22.38	22.52	22.61
1.4	16QAM	1	3	22.27	22.42	22.45
1.4	16QAM	1	5	22.51	22.66	22.32
1.4	16QAM	3	0	21.65	21.80	21.58
1.4	16QAM	3	1	21.59	21.58	21.58
1.4	16QAM	3	3	21.58	21.56	21.59
1.4	16QAM	6	0	21.73	21.56	21.63
1.4	64QAM	1	0	22.39	22.49	22.63
1.4	64QAM	1	3	22.34	22.50	22.64
1.4	64QAM	1	5	22.54	22.39	22.27
1.4	64QAM	3	0	21.37	21.43	21.68
1.4	64QAM	3	1	21.41	21.32	21.45
1.4	64QAM	3	3	21.18	21.29	21.42
1.4	64QAM	6	0	21.48	21.58	21.36



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	23230	/
Frequency (MHz)				/	782	/
10	QPSK	1	0	/	23.58	/
10	QPSK	1	25	/	23.55	/
10	QPSK	1	49	/	23.51	/
10	QPSK	25	0	/	22.59	/
10	QPSK	25	12	/	22.62	/
10	QPSK	25	25	/	22.65	/
10	QPSK	50	0	/	22.57	/
10	16QAM	1	0	/	22.62	/
10	16QAM	1	25	/	22.65	/
10	16QAM	1	49	/	22.58	/
10	16QAM	25	0	/	21.60	/
10	16QAM	25	12	/	21.55	/
10	16QAM	25	25	/	21.57	/
10	16QAM	50	0	/	21.62	/
10	64QAM	1	0	/	22.69	/
10	64QAM	1	25	/	22.62	/
10	64QAM	1	49	/	22.58	/
10	64QAM	25	0	/	21.72	/
10	64QAM	25	12	/	21.59	/
10	64QAM	25	25	/	21.63	/
10	64QAM	50	0	/	21.60	/



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23205	23230	23255
Frequency (MHz)				779.5	782	784.5
5	QPSK	1	0	23.54	23.55	23.48
5	QPSK	1	12	23.28	23.52	23.48
5	QPSK	1	24	23.36	23.47	23.26
5	QPSK	12	0	22.42	22.60	22.38
5	QPSK	12	7	22.60	22.39	22.44
5	QPSK	12	13	22.32	22.46	22.31
5	QPSK	25	0	22.22	22.55	22.16
5	16QAM	1	0	22.48	22.33	22.52
5	16QAM	1	12	22.17	22.26	22.31
5	16QAM	1	24	22.51	22.47	22.14
5	16QAM	12	0	21.34	21.75	21.43
5	16QAM	12	7	21.33	21.53	21.56
5	16QAM	12	13	21.41	21.30	21.49
5	16QAM	25	0	21.53	21.48	21.53
5	64QAM	1	0	22.22	22.45	22.23
5	64QAM	1	12	22.33	22.46	22.35
5	64QAM	1	24	22.40	22.19	22.23
5	64QAM	12	0	21.31	21.53	21.59
5	64QAM	12	7	21.27	21.58	21.35
5	64QAM	12	13	21.26	21.24	21.26
5	64QAM	25	0	21.48	21.49	21.38



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	22.71	22.85	22.56
20	QPSK	1	49	22.63	22.50	22.54
20	QPSK	1	99	22.57	22.53	22.68
20	QPSK	50	0	21.57	21.43	21.51
20	QPSK	50	24	21.59	21.48	21.41
20	QPSK	50	50	21.71	21.38	21.57
20	QPSK	100	0	21.59	21.48	21.62
20	16QAM	1	0	21.85	21.90	21.57
20	16QAM	1	49	21.44	21.47	21.53
20	16QAM	1	99	21.77	21.55	21.41
20	16QAM	50	0	20.62	20.57	20.78
20	16QAM	50	24	20.35	20.79	20.48
20	16QAM	50	50	20.50	20.85	20.56
20	16QAM	100	0	20.47	20.65	20.45
20	64QAM	1	0	21.52	21.51	21.67
20	64QAM	1	49	21.50	21.67	21.78
20	64QAM	1	99	21.69	21.45	21.63
20	64QAM	50	0	20.61	20.73	20.74
20	64QAM	50	24	20.38	20.52	20.41
20	64QAM	50	50	20.63	20.62	20.46
20	64QAM	100	0	20.64	20.62	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	22.54	22.82	22.61
15	QPSK	1	37	22.49	22.53	22.52
15	QPSK	1	74	22.60	22.47	22.51
15	QPSK	36	0	21.51	21.53	21.70
15	QPSK	36	20	21.54	21.73	21.55
15	QPSK	36	39	21.53	21.58	21.31
15	QPSK	75	0	21.66	21.39	21.32
15	16QAM	1	0	21.77	21.56	21.69
15	16QAM	1	37	21.61	21.67	21.54
15	16QAM	1	74	21.56	21.61	21.33
15	16QAM	36	0	20.58	20.91	20.59
15	16QAM	36	20	20.65	20.66	20.74
15	16QAM	36	39	20.84	20.57	20.82
15	16QAM	75	0	20.64	20.71	20.62
15	64QAM	1	0	21.38	21.67	21.60
15	64QAM	1	37	21.74	21.61	21.65
15	64QAM	1	74	21.48	21.75	21.73
15	64QAM	36	0	20.57	20.45	20.48
15	64QAM	36	20	20.48	20.51	20.56
15	64QAM	36	39	20.64	20.61	20.69
15	64QAM	75	0	20.42	20.53	20.51



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	22.66	22.78	22.82
10	QPSK	1	25	22.49	22.68	22.55
10	QPSK	1	49	22.60	22.68	22.52
10	QPSK	25	0	21.72	21.48	21.60
10	QPSK	25	12	21.70	21.57	21.72
10	QPSK	25	25	21.54	21.41	21.32
10	QPSK	50	0	21.61	21.68	21.38
10	16QAM	1	0	21.84	21.86	21.44
10	16QAM	1	25	21.55	21.77	21.50
10	16QAM	1	49	21.56	21.79	21.53
10	16QAM	25	0	20.67	20.96	20.62
10	16QAM	25	12	20.59	20.70	20.59
10	16QAM	25	25	20.72	20.58	20.81
10	16QAM	50	0	20.45	20.56	20.60
10	64QAM	1	0	21.60	21.89	21.77
10	64QAM	1	25	21.45	21.66	21.60
10	64QAM	1	49	21.71	21.70	21.55
10	64QAM	25	0	20.67	20.82	20.78
10	64QAM	25	12	20.48	20.76	20.48
10	64QAM	25	25	20.53	20.65	20.47
10	64QAM	50	0	20.71	20.68	20.54



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	22.58	22.79	22.68
5	QPSK	1	12	22.40	22.37	22.51
5	QPSK	1	24	22.42	22.45	22.70
5	QPSK	12	0	21.41	21.53	21.60
5	QPSK	12	7	21.81	21.42	21.66
5	QPSK	12	13	21.45	21.48	21.67
5	QPSK	25	0	21.43	21.60	21.50
5	16QAM	1	0	21.74	21.57	21.57
5	16QAM	1	12	21.39	21.50	21.78
5	16QAM	1	24	21.78	21.70	21.35
5	16QAM	12	0	20.54	20.86	20.52
5	16QAM	12	7	20.49	20.54	20.55
5	16QAM	12	13	20.53	20.57	20.72
5	16QAM	25	0	20.48	20.56	20.51
5	64QAM	1	0	21.70	21.87	21.56
5	64QAM	1	12	21.43	21.53	21.61
5	64QAM	1	24	21.55	21.49	21.44
5	64QAM	12	0	20.46	20.54	20.60
5	64QAM	12	7	20.60	20.75	20.54
5	64QAM	12	13	20.58	20.63	20.60
5	64QAM	25	0	20.37	20.78	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				26055	26365	26675
Frequency (MHz)				1851.5	1882.5	1913.5
3	QPSK	1	0	22.74	22.69	22.83
3	QPSK	1	8	22.57	22.67	22.50
3	QPSK	1	14	22.40	22.53	22.60
3	QPSK	8	0	21.42	21.54	21.53
3	QPSK	8	4	21.66	21.48	21.37
3	QPSK	8	7	21.64	21.38	21.50
3	QPSK	15	0	21.70	21.52	21.38
3	16QAM	1	0	21.50	21.89	21.74
3	16QAM	1	8	21.57	21.71	21.45
3	16QAM	1	14	21.47	21.73	21.55
3	16QAM	8	0	20.76	20.63	20.47
3	16QAM	8	4	20.63	20.56	20.57
3	16QAM	8	7	20.63	20.79	20.73
3	16QAM	15	0	20.59	20.53	20.83
3	64QAM	1	0	21.39	21.54	21.64
3	64QAM	1	8	21.59	21.44	21.77
3	64QAM	1	14	21.60	21.58	21.47
3	64QAM	8	0	20.61	20.46	20.66
3	64QAM	8	4	20.63	20.64	20.59
3	64QAM	8	7	20.36	20.52	20.50
3	64QAM	15	0	20.66	20.53	20.69



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	22.67	22.79	22.45
1.4	QPSK	1	3	22.45	22.67	22.45
1.4	QPSK	1	5	22.44	22.64	22.53
1.4	QPSK	3	0	21.59	21.78	21.65
1.4	QPSK	3	1	21.76	21.69	21.73
1.4	QPSK	3	3	21.58	21.71	21.53
1.4	QPSK	6	0	21.33	21.54	21.32
1.4	16QAM	1	0	21.75	21.68	21.37
1.4	16QAM	1	3	21.43	21.57	21.52
1.4	16QAM	1	5	21.40	21.72	21.44
1.4	16QAM	3	0	20.52	20.63	20.63
1.4	16QAM	3	1	20.51	20.65	20.79
1.4	16QAM	3	3	20.69	20.76	20.65
1.4	16QAM	6	0	20.76	20.60	20.73
1.4	64QAM	1	0	21.65	21.60	21.78
1.4	64QAM	1	3	21.77	21.53	21.52
1.4	64QAM	1	5	21.80	21.76	21.52
1.4	64QAM	3	0	20.48	20.53	20.57
1.4	64QAM	3	1	20.45	20.67	20.70
1.4	64QAM	3	3	20.62	20.64	20.32
1.4	64QAM	6	0	20.51	20.79	20.56



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	23.64	23.58	23.54
15	QPSK	1	37	23.30	23.18	23.35
15	QPSK	1	74	23.40	23.38	23.22
15	QPSK	36	0	22.47	22.45	22.48
15	QPSK	36	20	22.50	22.48	22.26
15	QPSK	36	39	22.50	22.45	22.23
15	QPSK	75	0	22.39	22.27	22.14
15	16QAM	1	0	22.49	22.44	22.52
15	16QAM	1	37	22.42	22.37	22.41
15	16QAM	1	74	22.64	22.54	22.35
15	16QAM	36	0	21.44	21.38	21.33
15	16QAM	36	20	21.25	21.21	21.41
15	16QAM	36	39	21.42	21.40	21.48
15	16QAM	75	0	21.68	21.67	21.50
15	64QAM	1	0	22.35	22.25	22.47
15	64QAM	1	37	22.45	22.41	22.32
15	64QAM	1	74	22.59	22.56	22.48
15	64QAM	36	0	21.55	21.51	21.53
15	64QAM	36	20	21.22	21.19	21.26
15	64QAM	36	39	21.51	21.49	21.26
15	64QAM	75	0	21.25	21.17	21.39



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)				829.0	836.5	844.0
10	QPSK	1	0	23.56	23.49	23.60
10	QPSK	1	25	23.13	23.21	23.23
10	QPSK	1	49	23.34	23.42	23.46
10	QPSK	25	0	22.13	22.20	22.25
10	QPSK	25	12	22.47	22.42	22.49
10	QPSK	25	25	22.11	22.11	22.13
10	QPSK	50	0	22.14	22.13	22.25
10	16QAM	1	0	22.46	22.39	22.50
10	16QAM	1	25	22.33	22.29	22.36
10	16QAM	1	49	22.39	22.37	22.46
10	16QAM	25	0	21.58	21.51	21.59
10	16QAM	25	12	21.28	21.23	21.31
10	16QAM	25	25	21.27	21.18	21.30
10	16QAM	50	0	21.34	21.32	21.35
10	64QAM	1	0	22.49	22.55	22.59
10	64QAM	1	25	22.14	22.17	22.22
10	64QAM	1	49	22.43	22.50	22.53
10	64QAM	25	0	21.50	21.40	21.52
10	64QAM	25	12	21.40	21.49	21.52
10	64QAM	25	25	21.28	21.33	21.38
10	64QAM	50	0	21.21	21.17	21.25



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	23.51	23.47	23.52
5	QPSK	1	12	23.14	23.17	23.21
5	QPSK	1	24	23.16	23.17	23.20
5	QPSK	12	0	22.20	22.27	22.32
5	QPSK	12	7	22.13	22.03	22.14
5	QPSK	12	13	22.16	22.16	22.22
5	QPSK	25	0	22.32	22.25	22.35
5	16QAM	1	0	22.19	22.12	22.21
5	16QAM	1	12	22.34	22.29	22.35
5	16QAM	1	24	22.22	22.30	22.31
5	16QAM	12	0	21.56	21.60	21.63
5	16QAM	12	7	21.41	21.46	21.50
5	16QAM	12	13	21.19	21.25	21.31
5	16QAM	25	0	21.18	21.25	21.27
5	64QAM	1	0	22.47	22.53	22.58
5	64QAM	1	12	22.15	22.14	22.23
5	64QAM	1	24	22.21	22.21	22.29
5	64QAM	12	0	21.33	21.36	21.37
5	64QAM	12	7	21.19	21.15	21.27
5	64QAM	12	13	21.33	21.41	21.42
5	64QAM	25	0	21.06	21.02	21.14



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	23.35	23.34	23.45
3	QPSK	1	8	23.46	23.43	23.48
3	QPSK	1	14	23.35	23.37	23.43
3	QPSK	8	0	22.26	22.29	22.30
3	QPSK	8	4	22.12	22.13	22.15
3	QPSK	8	7	22.40	22.47	22.50
3	QPSK	15	0	22.31	22.34	22.41
3	16QAM	1	0	22.37	22.42	22.44
3	16QAM	1	8	22.11	22.11	22.22
3	16QAM	1	14	22.35	22.37	22.42
3	16QAM	8	0	21.28	21.28	21.32
3	16QAM	8	4	21.33	21.38	21.40
3	16QAM	8	7	21.57	21.55	21.60
3	16QAM	15	0	21.41	21.38	21.47
3	64QAM	1	0	22.41	22.48	22.49
3	64QAM	1	8	22.24	22.28	22.34
3	64QAM	1	14	22.36	22.41	22.42
3	64QAM	8	0	21.51	21.45	21.53
3	64QAM	8	4	21.04	21.07	21.16
3	64QAM	8	7	21.10	21.04	21.11
3	64QAM	15	0	21.47	21.40	21.52



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	23.18	23.11	23.23
1.4	QPSK	1	3	23.39	23.35	23.46
1.4	QPSK	1	5	23.21	23.29	23.30
1.4	QPSK	3	0	22.51	22.50	22.54
1.4	QPSK	3	1	22.24	22.18	22.30
1.4	QPSK	3	3	22.16	22.14	22.26
1.4	QPSK	6	0	22.39	22.40	22.41
1.4	16QAM	1	0	22.45	22.39	22.48
1.4	16QAM	1	3	22.25	22.21	22.33
1.4	16QAM	1	5	22.33	22.28	22.34
1.4	16QAM	3	0	21.49	21.53	21.56
1.4	16QAM	3	1	21.36	21.35	21.41
1.4	16QAM	3	3	21.46	21.48	21.52
1.4	16QAM	6	0	21.23	21.23	21.29
1.4	64QAM	1	0	22.17	22.26	22.29
1.4	64QAM	1	3	22.38	22.33	22.42
1.4	64QAM	1	5	22.30	22.34	22.40
1.4	64QAM	3	0	21.23	21.25	21.35
1.4	64QAM	3	1	21.29	21.34	21.35
1.4	64QAM	3	3	21.28	21.28	21.38
1.4	64QAM	6	0	21.13	21.13	21.21



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	22.58	22.68	22.62
20	QPSK	1	49	22.45	22.58	22.60
20	QPSK	1	99	22.48	22.47	22.45
20	QPSK	50	0	21.51	21.62	21.49
20	QPSK	50	24	21.69	21.47	21.55
20	QPSK	50	50	21.73	21.38	21.50
20	QPSK	100	0	21.58	21.45	21.36
20	16QAM	1	0	21.70	21.63	21.73
20	16QAM	1	49	21.71	21.57	21.72
20	16QAM	1	99	21.48	21.61	21.34
20	16QAM	50	0	20.59	20.65	20.79
20	16QAM	50	24	20.40	20.75	20.58
20	16QAM	50	50	20.65	20.84	20.81
20	16QAM	100	0	20.59	20.87	20.66
20	64QAM	1	0	21.58	21.52	21.73
20	64QAM	1	49	21.64	21.74	21.45
20	64QAM	1	99	21.46	21.65	21.62
20	64QAM	50	0	20.53	20.47	20.54
20	64QAM	50	24	20.73	20.55	20.53
20	64QAM	50	50	20.37	20.46	20.30
20	64QAM	100	0	20.56	20.78	20.49



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	22.61	22.65	22.59
15	QPSK	1	37	22.48	22.61	22.54
15	QPSK	1	74	22.42	22.53	22.49
15	QPSK	36	0	21.67	21.41	21.38
15	QPSK	36	20	21.52	21.53	21.45
15	QPSK	36	39	21.66	21.48	21.48
15	QPSK	75	0	21.53	21.44	21.52
15	16QAM	1	0	21.83	21.53	21.58
15	16QAM	1	37	21.67	21.56	21.52
15	16QAM	1	74	21.44	21.48	21.66
15	16QAM	36	0	20.58	20.83	20.73
15	16QAM	36	20	20.44	20.64	20.49
15	16QAM	36	39	20.55	20.79	20.58
15	16QAM	75	0	20.57	20.55	20.75
15	64QAM	1	0	21.69	21.83	21.46
15	64QAM	1	37	21.76	21.83	21.72
15	64QAM	1	74	21.72	21.65	21.48
15	64QAM	36	0	20.57	20.55	20.79
15	64QAM	36	20	20.45	20.70	20.63
15	64QAM	36	39	20.64	20.37	20.48
15	64QAM	75	0	20.68	20.52	20.53



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	22.60	22.62	22.46
10	QPSK	1	25	22.56	22.59	22.49
10	QPSK	1	49	22.47	22.45	22.60
10	QPSK	25	0	21.49	21.71	21.54
10	QPSK	25	12	21.53	21.68	21.51
10	QPSK	25	25	21.60	21.55	21.57
10	QPSK	50	0	21.41	21.44	21.41
10	16QAM	1	0	21.57	21.63	21.49
10	16QAM	1	25	21.46	21.58	21.56
10	16QAM	1	49	21.52	21.60	21.72
10	16QAM	25	0	20.70	20.92	20.78
10	16QAM	25	12	20.58	20.57	20.62
10	16QAM	25	25	20.83	20.61	20.79
10	16QAM	50	0	20.70	20.73	20.61
10	64QAM	1	0	21.57	21.78	21.73
10	64QAM	1	25	21.47	21.63	21.61
10	64QAM	1	49	21.57	21.51	21.75
10	64QAM	25	0	20.55	20.47	20.71
10	64QAM	25	12	20.51	20.38	20.72
10	64QAM	25	25	20.41	20.53	20.65
10	64QAM	50	0	20.51	20.74	20.67



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	22.56	22.64	22.60
5	QPSK	1	12	22.64	22.59	22.34
5	QPSK	1	24	22.54	22.60	22.45
5	QPSK	12	0	21.71	21.77	21.75
5	QPSK	12	7	21.72	21.63	21.53
5	QPSK	12	13	21.42	21.54	21.71
5	QPSK	25	0	21.58	21.69	21.46
5	16QAM	1	0	21.64	21.54	21.74
5	16QAM	1	12	21.68	21.54	21.64
5	16QAM	1	24	21.80	21.51	21.54
5	16QAM	12	0	20.78	20.68	20.62
5	16QAM	12	7	20.52	20.76	20.60
5	16QAM	12	13	20.65	20.68	20.81
5	16QAM	25	0	20.75	20.76	20.63
5	64QAM	1	0	21.69	21.87	21.58
5	64QAM	1	12	21.81	21.56	21.77
5	64QAM	1	24	21.56	21.68	21.41
5	64QAM	12	0	20.57	20.65	20.57
5	64QAM	12	7	20.44	20.69	20.57
5	64QAM	12	13	20.54	20.70	20.54
5	64QAM	25	0	20.62	20.62	20.55



LTE Band 41						
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	22.95	23.37	22.89
20	QPSK	1	49	22.99	23.12	23.05
20	QPSK	1	99	23.00	23.13	23.06
20	QPSK	50	0	21.95	22.04	22.05
20	QPSK	50	24	21.98	22.08	22.08
20	QPSK	50	50	22.21	22.32	22.00
20	QPSK	100	0	22.07	21.99	22.16
20	16QAM	1	0	22.14	22.51	21.96
20	16QAM	1	49	22.12	22.08	22.21
20	16QAM	1	99	21.98	22.39	21.98
20	16QAM	50	0	21.28	21.20	21.29
20	16QAM	50	24	21.36	21.24	21.36
20	16QAM	50	50	21.19	21.22	21.19
20	16QAM	100	0	21.18	21.30	21.29
20	64QAM	1	0	22.33	22.29	22.09
20	64QAM	1	49	22.09	22.23	22.01
20	64QAM	1	99	22.19	21.99	22.01
20	64QAM	50	0	21.28	21.06	21.14
20	64QAM	50	24	21.15	21.37	21.27
20	64QAM	50	50	21.02	21.05	20.92
20	64QAM	100	0	20.96	21.38	21.00



LTE Band 41						
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	22.89	23.12	22.70
15	QPSK	1	37	22.90	23.25	22.98
15	QPSK	1	74	23.01	23.22	23.17
15	QPSK	36	0	21.82	21.99	22.25
15	QPSK	36	20	22.16	21.97	22.02
15	QPSK	36	39	22.02	22.21	21.86
15	QPSK	75	0	22.00	22.08	22.36
15	16QAM	1	0	22.04	22.68	21.96
15	16QAM	1	37	22.28	22.03	22.15
15	16QAM	1	74	21.83	22.42	22.18
15	16QAM	36	0	21.25	21.30	21.32
15	16QAM	36	20	21.51	21.26	21.24
15	16QAM	36	39	21.16	21.41	21.28
15	16QAM	75	0	21.19	21.29	21.38
15	64QAM	1	0	22.26	22.39	22.10
15	64QAM	1	37	22.21	22.37	21.96
15	64QAM	1	74	22.32	22.19	22.01
15	64QAM	36	0	21.35	21.19	21.29
15	64QAM	36	20	21.19	21.54	21.37
15	64QAM	36	39	20.95	21.06	20.82
15	64QAM	75	0	20.92	21.13	20.98



LTE Band 41						
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	23.14	23.27	22.89
10	QPSK	1	25	22.80	22.95	23.23
10	QPSK	1	49	23.02	22.98	23.03
10	QPSK	25	0	22.10	21.94	21.87
10	QPSK	25	12	21.94	22.17	22.20
10	QPSK	25	25	22.27	22.38	21.91
10	QPSK	50	0	22.13	22.05	21.98
10	16QAM	1	0	22.11	22.64	22.03
10	16QAM	1	25	22.06	22.18	22.28
10	16QAM	1	49	22.15	22.25	21.85
10	16QAM	25	0	21.20	21.16	21.21
10	16QAM	25	12	21.21	21.41	21.26
10	16QAM	25	25	21.18	21.18	21.08
10	16QAM	50	0	21.37	21.34	21.32
10	64QAM	1	0	22.01	22.62	21.86
10	64QAM	1	25	22.31	21.90	22.17
10	64QAM	1	49	21.86	22.57	21.81
10	64QAM	25	0	20.95	21.17	21.11
10	64QAM	25	12	21.17	21.28	21.29
10	64QAM	25	25	21.25	21.27	21.25
10	64QAM	50	0	21.29	21.20	21.19



LTE Band 41						
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	23.14	23.26	22.88
5	QPSK	1	12	23.08	22.99	22.98
5	QPSK	1	24	23.10	23.28	22.95
5	QPSK	12	0	21.75	21.88	21.90
5	QPSK	12	7	22.08	22.15	22.10
5	QPSK	12	13	22.18	22.30	21.88
5	QPSK	25	0	22.04	22.00	22.04
5	16QAM	1	0	22.01	22.62	21.86
5	16QAM	1	12	22.31	21.90	22.17
5	16QAM	1	24	21.86	22.57	21.81
5	16QAM	12	0	21.40	21.17	21.11
5	16QAM	12	7	21.17	21.28	21.29
5	16QAM	12	13	21.25	21.27	21.25
5	16QAM	25	0	21.29	21.50	21.19
5	64QAM	1	0	22.46	22.39	22.25
5	64QAM	1	12	22.01	22.20	22.17
5	64QAM	1	24	22.12	21.79	22.16
5	64QAM	12	0	21.19	20.92	21.09
5	64QAM	12	7	21.29	21.17	21.15
5	64QAM	12	13	21.12	21.04	20.76
5	64QAM	25	0	20.95	21.11	20.99



LTE Band 42						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				42190	42590	42990
Frequency (MHz)				3460	3500	3540
20	QPSK	1	0	22.63	22.76	22.58
20	QPSK	1	49	22.53	22.55	22.70
20	QPSK	1	99	22.31	22.26	22.59
20	QPSK	50	0	21.60	21.76	21.68
20	QPSK	50	24	21.59	21.75	21.62
20	QPSK	50	50	21.59	21.58	21.73
20	QPSK	100	0	21.30	21.64	21.33
20	16QAM	1	0	21.62	21.64	21.72
20	16QAM	1	49	21.54	21.54	21.80
20	16QAM	1	99	21.72	21.50	21.45
20	16QAM	50	0	20.45	20.61	20.65
20	16QAM	50	24	20.68	20.73	20.41
20	16QAM	50	50	20.62	20.45	20.50
20	16QAM	100	0	20.67	20.36	20.50
20	64QAM	1	0	21.57	21.61	21.59
20	64QAM	1	49	21.43	21.49	21.53
20	64QAM	1	99	21.73	21.41	21.15
20	64QAM	50	0	20.80	20.32	20.59
20	64QAM	50	24	20.82	20.41	20.62
20	64QAM	50	50	20.51	20.40	20.29
20	64QAM	100	0	20.79	20.29	20.45



LTE Band 42						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				42165	42590	43015
Frequency (MHz)				3457.5	3500	3542.5
15	QPSK	1	0	22.43	22.71	22.58
15	QPSK	1	37	22.38	22.44	22.47
15	QPSK	1	74	22.54	22.52	22.56
15	QPSK	36	0	21.49	21.90	21.79
15	QPSK	36	20	21.39	21.47	21.37
15	QPSK	36	39	21.54	21.68	21.53
15	QPSK	75	0	21.62	21.69	21.46
15	16QAM	1	0	21.64	21.58	21.69
15	16QAM	1	37	21.42	21.56	21.86
15	16QAM	1	74	21.52	21.73	21.25
15	16QAM	36	0	20.39	20.77	20.67
15	16QAM	36	20	20.64	20.45	20.69
15	16QAM	36	39	20.59	20.57	20.84
15	16QAM	75	0	20.39	20.36	20.31
15	64QAM	1	0	21.50	21.70	21.54
15	64QAM	1	37	21.38	21.32	21.58
15	64QAM	1	74	21.53	21.54	21.31
15	64QAM	36	0	20.94	20.30	20.58
15	64QAM	36	20	20.83	20.56	20.46
15	64QAM	36	39	20.42	20.20	20.41
15	64QAM	75	0	20.43	20.43	20.50



LTE Band 42						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				42140	42590	43040
Frequency (MHz)				3455	3500	3545
10	QPSK	1	0	22.39	22.65	22.62
10	QPSK	1	25	22.31	22.46	22.37
10	QPSK	1	49	22.53	22.29	22.43
10	QPSK	25	0	21.68	21.75	21.60
10	QPSK	25	12	21.44	21.58	21.62
10	QPSK	25	25	21.70	21.59	21.46
10	QPSK	50	0	21.48	21.70	21.27
10	16QAM	1	0	21.90	21.58	21.52
10	16QAM	1	25	21.54	21.45	21.50
10	16QAM	1	49	21.52	21.58	21.28
10	16QAM	25	0	20.55	20.81	20.72
10	16QAM	25	12	20.62	20.83	20.43
10	16QAM	25	25	20.39	20.30	20.79
10	16QAM	50	0	20.59	20.64	20.57
10	64QAM	1	0	21.73	21.71	21.43
10	64QAM	1	25	21.51	21.49	21.29
10	64QAM	1	49	21.58	21.44	21.19
10	64QAM	25	0	20.62	20.51	20.53
10	64QAM	25	12	20.62	20.61	20.65
10	64QAM	25	25	20.57	20.16	20.33
10	64QAM	50	0	20.72	20.31	20.44



LTE Band 42						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				42115	42590	43065
Frequency (MHz)				3452.5	3500	3547.5
5	QPSK	1	0	22.60	22.70	22.60
5	QPSK	1	12	22.32	22.44	22.46
5	QPSK	1	24	22.38	22.36	22.52
5	QPSK	12	0	21.82	21.69	21.69
5	QPSK	12	7	21.33	21.53	21.73
5	QPSK	12	13	21.77	21.50	21.41
5	QPSK	25	0	21.31	21.42	21.23
5	16QAM	1	0	21.86	21.82	21.53
5	16QAM	1	12	21.22	21.46	21.87
5	16QAM	1	24	21.74	21.51	21.58
5	16QAM	12	0	20.46	20.50	20.40
5	16QAM	12	7	20.54	20.53	20.40
5	16QAM	12	13	20.50	20.58	20.54
5	16QAM	25	0	20.44	20.49	20.63
5	64QAM	1	0	21.47	21.89	21.39
5	64QAM	1	12	21.71	21.28	21.55
5	64QAM	1	24	21.43	21.70	21.48
5	64QAM	12	0	20.88	20.48	20.31
5	64QAM	12	7	20.80	20.71	20.50
5	64QAM	12	13	20.80	20.54	20.31
5	64QAM	25	0	20.67	20.29	20.31



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	21.73	21.80	21.70
20	QPSK	1	49	21.68	21.49	21.45
20	QPSK	1	99	21.41	21.66	21.46
20	QPSK	50	0	20.71	20.72	20.62
20	QPSK	50	24	20.46	20.68	20.72
20	QPSK	50	50	20.63	20.51	20.53
20	QPSK	100	0	20.59	20.59	20.48
20	16QAM	1	0	20.80	20.72	20.67
20	16QAM	1	49	20.49	20.61	20.59
20	16QAM	1	99	20.58	20.64	20.33
20	16QAM	50	0	19.69	19.84	19.76
20	16QAM	50	24	19.53	19.55	19.71
20	16QAM	50	50	19.70	19.69	19.44
20	16QAM	100	0	19.53	19.57	19.83
20	64QAM	1	0	20.39	20.69	20.83
20	64QAM	1	49	20.48	20.56	20.39
20	64QAM	1	99	20.55	20.78	20.40
20	64QAM	50	0	19.50	19.47	19.57
20	64QAM	50	24	19.47	19.60	19.72
20	64QAM	50	50	19.45	19.59	19.31
20	64QAM	100	0	19.51	19.81	19.51



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	21.50	21.67	21.47
15	QPSK	1	37	21.66	21.47	21.61
15	QPSK	1	74	21.47	21.61	21.34
15	QPSK	36	0	20.74	20.66	20.64
15	QPSK	36	20	20.73	20.65	20.48
15	QPSK	36	39	20.59	20.36	20.37
15	QPSK	75	0	20.69	20.39	20.55
15	16QAM	1	0	20.46	20.55	20.75
15	16QAM	1	37	20.60	20.77	20.39
15	16QAM	1	74	20.46	20.83	20.44
15	16QAM	36	0	19.55	19.57	19.60
15	16QAM	36	20	19.42	19.57	19.47
15	16QAM	36	39	19.59	19.75	19.59
15	16QAM	75	0	19.80	19.72	19.79
15	64QAM	1	0	20.44	20.84	20.59
15	64QAM	1	37	20.61	20.80	20.56
15	64QAM	1	74	20.48	20.65	20.49
15	64QAM	36	0	19.60	19.43	19.63
15	64QAM	36	20	19.40	19.75	19.50
15	64QAM	36	39	19.57	19.61	19.41
15	64QAM	75	0	19.39	19.63	19.51



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	21.47	21.66	21.65
10	QPSK	1	25	21.62	21.61	21.48
10	QPSK	1	49	21.43	21.36	21.59
10	QPSK	25	0	20.67	20.59	20.48
10	QPSK	25	12	20.43	20.73	20.42
10	QPSK	25	25	20.74	20.62	20.65
10	QPSK	50	0	20.53	20.44	20.54
10	16QAM	1	0	20.72	20.82	20.58
10	16QAM	1	25	20.72	20.61	20.56
10	16QAM	1	49	20.66	20.69	20.70
10	16QAM	25	0	19.48	19.81	19.64
10	16QAM	25	12	19.37	19.70	19.57
10	16QAM	25	25	19.75	19.49	19.73
10	16QAM	50	0	19.75	19.56	19.65
10	64QAM	1	0	20.61	20.80	20.75
10	64QAM	1	25	20.78	20.77	20.49
10	64QAM	1	49	20.49	20.60	20.49
10	64QAM	25	0	19.75	19.53	19.76
10	64QAM	25	12	19.71	19.43	19.52
10	64QAM	25	25	19.39	19.73	19.60
10	64QAM	50	0	19.44	19.51	19.49



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	21.58	21.60	21.46
5	QPSK	1	12	21.55	21.58	21.53
5	QPSK	1	24	21.48	21.49	21.30
5	QPSK	12	0	20.48	20.81	20.74
5	QPSK	12	7	20.70	20.72	20.47
5	QPSK	12	13	20.52	20.56	20.51
5	QPSK	25	0	20.37	20.57	20.36
5	16QAM	1	0	20.69	20.58	20.38
5	16QAM	1	12	20.70	20.47	20.70
5	16QAM	1	24	20.76	20.70	20.47
5	16QAM	12	0	19.49	19.87	19.85
5	16QAM	12	7	19.51	19.64	19.42
5	16QAM	12	13	19.56	19.73	19.77
5	16QAM	25	0	19.46	19.78	19.68
5	64QAM	1	0	20.49	20.84	20.73
5	64QAM	1	12	20.67	20.55	20.78
5	64QAM	1	24	20.63	20.59	20.74
5	64QAM	12	0	19.50	19.78	19.87
5	64QAM	12	7	19.60	19.62	19.54
5	64QAM	12	13	19.42	19.70	19.63
5	64QAM	25	0	19.36	19.82	19.40



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	21.43	21.67	21.66
3	QPSK	1	8	21.44	21.64	21.30
3	QPSK	1	14	21.45	21.68	21.61
3	QPSK	8	0	20.38	20.57	20.69
3	QPSK	8	4	20.62	20.56	20.61
3	QPSK	8	7	20.57	20.57	20.36
3	QPSK	15	0	20.65	20.52	20.66
3	16QAM	1	0	20.78	20.75	20.51
3	16QAM	1	8	20.39	20.57	20.52
3	16QAM	1	14	20.61	20.75	20.45
3	16QAM	8	0	19.63	19.95	19.57
3	16QAM	8	4	19.60	19.79	19.64
3	16QAM	8	7	19.87	19.62	19.71
3	16QAM	15	0	19.77	19.81	19.70
3	64QAM	1	0	20.65	20.89	20.56
3	64QAM	1	8	20.51	20.70	20.67
3	64QAM	1	14	20.43	20.61	20.52
3	64QAM	8	0	19.66	19.54	19.58
3	64QAM	8	4	19.35	19.57	19.35
3	64QAM	8	7	19.47	19.62	19.30
3	64QAM	15	0	19.41	19.69	19.70



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	21.46	21.62	21.50
1.4	QPSK	1	3	21.45	21.51	21.67
1.4	QPSK	1	5	21.56	21.63	21.32
1.4	QPSK	3	0	20.67	20.72	20.66
1.4	QPSK	3	1	20.56	20.56	20.74
1.4	QPSK	3	3	20.57	20.65	20.71
1.4	QPSK	6	0	20.68	20.66	20.62
1.4	16QAM	1	0	20.83	20.59	20.57
1.4	16QAM	1	3	20.53	20.57	20.60
1.4	16QAM	1	5	20.58	20.53	20.56
1.4	16QAM	3	0	19.71	19.57	19.75
1.4	16QAM	3	1	19.61	19.56	19.77
1.4	16QAM	3	3	19.60	19.61	19.76
1.4	16QAM	6	0	19.67	19.65	19.70
1.4	64QAM	1	0	20.66	20.66	20.43
1.4	64QAM	1	3	20.56	20.83	20.41
1.4	64QAM	1	5	20.78	20.53	20.58
1.4	64QAM	3	0	19.67	19.65	19.64
1.4	64QAM	3	1	19.61	19.60	19.63
1.4	64QAM	3	3	19.66	19.54	19.52
1.4	64QAM	6	0	19.60	19.74	19.62



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	23.56	23.77	23.62
20	QPSK	1	49	23.42	23.59	23.56
20	QPSK	1	99	23.75	23.56	23.48
20	QPSK	50	0	22.62	22.48	22.42
20	QPSK	50	24	22.59	22.39	22.61
20	QPSK	50	50	22.54	22.53	22.67
20	QPSK	100	0	22.64	22.64	22.30
20	16QAM	1	0	22.45	22.76	22.36
20	16QAM	1	49	22.60	22.56	22.74
20	16QAM	1	99	22.51	22.61	22.66
20	16QAM	50	0	21.58	21.86	21.69
20	16QAM	50	24	21.63	21.59	21.63
20	16QAM	50	50	21.70	21.88	21.74
20	16QAM	100	0	21.45	21.89	21.45
20	64QAM	1	0	22.67	22.80	22.56
20	64QAM	1	49	22.61	22.56	22.43
20	64QAM	1	99	22.65	22.39	22.57
20	64QAM	50	0	21.58	21.52	21.51
20	64QAM	50	24	21.57	21.60	21.38
20	64QAM	50	50	21.37	21.34	21.67
20	64QAM	100	0	21.45	21.72	21.49



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133197	133297	133397
Frequency (MHz)				670.5	680.5	690.5
15	QPSK	1	0	23.53	23.30	23.50
15	QPSK	1	37	23.53	23.53	23.42
15	QPSK	1	74	23.26	23.13	23.48
15	QPSK	36	0	22.29	22.52	22.55
15	QPSK	36	20	22.28	22.53	22.19
15	QPSK	36	39	22.32	22.50	22.48
15	QPSK	75	0	22.41	22.44	22.31
15	16QAM	1	0	22.57	22.40	22.39
15	16QAM	1	37	22.23	22.45	22.23
15	16QAM	1	74	22.49	22.54	22.23
15	16QAM	36	0	21.59	21.59	21.33
15	16QAM	36	20	21.47	21.52	21.40
15	16QAM	36	39	21.69	21.62	21.39
15	16QAM	75	0	21.44	21.38	21.35
15	64QAM	1	0	22.54	22.46	22.39
15	64QAM	1	37	22.43	22.39	22.19
15	64QAM	1	74	22.53	22.37	22.37
15	64QAM	36	0	21.38	21.39	21.46
15	64QAM	36	20	21.19	21.19	21.14
15	64QAM	36	39	21.41	21.15	21.21
15	64QAM	75	0	21.52	21.38	21.43



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				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	23.59	23.62	23.56
10	QPSK	1	25	23.55	23.19	23.33
10	QPSK	1	49	23.42	23.27	23.40
10	QPSK	25	0	22.25	22.35	22.37
10	QPSK	25	12	22.34	22.45	22.18
10	QPSK	25	25	22.29	22.38	22.49
10	QPSK	50	0	22.39	22.45	22.38
10	16QAM	1	0	22.52	22.49	22.24
10	16QAM	1	25	22.28	22.29	22.20
10	16QAM	1	49	22.49	22.66	22.39
10	16QAM	25	0	21.46	21.59	21.38
10	16QAM	25	12	21.27	21.46	21.36
10	16QAM	25	25	21.51	21.44	21.41
10	16QAM	50	0	21.54	21.68	21.41
10	64QAM	1	0	22.50	22.67	22.45
10	64QAM	1	25	22.28	22.45	22.20
10	64QAM	1	49	22.62	22.25	22.39
10	64QAM	25	0	21.28	21.43	21.52
10	64QAM	25	12	21.36	21.54	21.38
10	64QAM	25	25	21.17	21.23	21.46
10	64QAM	50	0	21.36	21.63	21.28



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	23.52	23.65	23.50
5	QPSK	1	12	23.30	23.48	23.49
5	QPSK	1	24	23.31	23.47	23.41
5	QPSK	12	0	22.17	22.25	22.34
5	QPSK	12	7	22.53	22.19	22.19
5	QPSK	12	13	22.59	22.51	22.25
5	QPSK	25	0	22.23	22.42	22.22
5	16QAM	1	0	22.41	22.33	22.41
5	16QAM	1	12	22.13	22.53	22.42
5	16QAM	1	24	22.49	22.46	22.28
5	16QAM	12	0	21.52	21.63	21.63
5	16QAM	12	7	21.42	21.61	21.41
5	16QAM	12	13	21.68	21.66	21.45
5	16QAM	25	0	21.61	21.57	21.59
5	64QAM	1	0	22.44	22.35	22.54
5	64QAM	1	12	22.43	22.41	22.55
5	64QAM	1	24	22.31	22.35	22.41
5	64QAM	12	0	21.57	21.28	21.61
5	64QAM	12	7	21.37	21.53	21.19
5	64QAM	12	13	21.48	21.17	21.33
5	64QAM	25	0	21.52	21.29	21.38

**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	25.88	0.387	25.83	0.383	25.75	0.376
20	QPSK	1	49	25.78	0.378	25.78	0.378	25.70	0.372
20	QPSK	1	99	25.79	0.379	25.75	0.376	25.72	0.373
20	QPSK	50	0	24.79	0.301	24.83	0.304	24.80	0.302
20	QPSK	50	24	24.84	0.305	24.79	0.301	24.76	0.299
20	QPSK	50	50	24.81	0.303	24.78	0.301	24.73	0.297
20	QPSK	100	0	24.74	0.298	24.80	0.302	24.71	0.296
20	16QAM	1	0	24.87	0.307	24.94	0.312	24.77	0.300
20	16QAM	1	49	24.75	0.299	24.83	0.304	24.81	0.303
20	16QAM	1	99	24.82	0.303	24.88	0.308	24.74	0.298
20	16QAM	50	0	23.90	0.245	23.99	0.251	23.87	0.244
20	16QAM	50	24	23.75	0.237	23.87	0.244	23.81	0.240
20	16QAM	50	50	23.92	0.247	23.90	0.245	23.84	0.242
20	16QAM	100	0	23.85	0.243	23.93	0.247	23.85	0.243
20	64QAM	1	0	24.77	0.300	24.92	0.310	24.85	0.305
20	64QAM	1	49	24.84	0.305	24.86	0.306	24.81	0.303
20	64QAM	1	99	24.85	0.305	24.81	0.303	24.77	0.300
20	64QAM	50	0	23.88	0.244	23.85	0.243	23.90	0.245
20	64QAM	50	24	23.75	0.237	23.80	0.240	23.75	0.237
20	64QAM	50	50	23.70	0.234	23.75	0.237	23.72	0.236
20	64QAM	100	0	23.78	0.239	23.86	0.243	23.75	0.237



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	25.82	0.382	25.71	0.372	25.87	0.386
15	QPSK	1	37	25.78	0.378	25.75	0.376	25.87	0.386
15	QPSK	1	74	25.65	0.367	25.83	0.383	25.52	0.356
15	QPSK	36	0	24.85	0.305	24.84	0.305	24.84	0.305
15	QPSK	36	20	24.87	0.307	24.59	0.288	24.67	0.293
15	QPSK	36	39	24.69	0.294	24.97	0.314	24.82	0.303
15	QPSK	75	0	24.64	0.291	24.85	0.305	24.57	0.286
15	16QAM	1	0	25.06	0.321	24.88	0.308	24.91	0.310
15	16QAM	1	37	24.76	0.299	24.70	0.295	24.65	0.292
15	16QAM	1	74	24.78	0.301	24.91	0.310	24.59	0.288
15	16QAM	36	0	24.08	0.256	24.09	0.256	23.71	0.235
15	16QAM	36	20	23.84	0.242	23.85	0.243	23.69	0.234
15	16QAM	36	39	23.99	0.251	23.72	0.236	24.00	0.251
15	16QAM	75	0	23.87	0.244	23.97	0.249	23.82	0.241
15	64QAM	1	0	24.89	0.308	24.95	0.313	24.87	0.307
15	64QAM	1	37	24.90	0.309	25.03	0.318	24.87	0.307
15	64QAM	1	74	24.86	0.306	24.98	0.315	24.88	0.308
15	64QAM	36	0	23.97	0.249	23.80	0.240	23.72	0.236
15	64QAM	36	20	23.88	0.244	23.85	0.243	23.58	0.228
15	64QAM	36	39	23.65	0.232	23.86	0.243	23.70	0.234
15	64QAM	75	0	23.87	0.244	23.88	0.244	23.74	0.237



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	25.78	0.378	25.80	0.380	25.85	0.385
10	QPSK	1	25	25.82	0.382	25.79	0.379	25.63	0.366
10	QPSK	1	49	25.70	0.372	25.62	0.365	25.65	0.367
10	QPSK	25	0	24.81	0.303	24.63	0.290	24.91	0.310
10	QPSK	25	12	24.65	0.292	24.67	0.293	24.61	0.289
10	QPSK	25	25	24.92	0.310	24.65	0.292	24.90	0.309
10	QPSK	50	0	24.73	0.297	24.81	0.303	24.56	0.286
10	16QAM	1	0	24.84	0.305	24.78	0.301	24.74	0.298
10	16QAM	1	25	24.66	0.292	25.01	0.317	24.85	0.305
10	16QAM	1	49	24.86	0.306	24.87	0.307	24.57	0.286
10	16QAM	25	0	23.84	0.242	23.91	0.246	24.06	0.255
10	16QAM	25	12	23.80	0.240	23.72	0.236	23.74	0.237
10	16QAM	25	25	24.07	0.255	23.73	0.236	23.70	0.234
10	16QAM	50	0	23.76	0.238	23.77	0.238	24.02	0.252
10	64QAM	1	0	24.85	0.305	25.01	0.317	24.78	0.301
10	64QAM	1	25	24.66	0.292	24.91	0.310	24.70	0.295
10	64QAM	1	49	24.66	0.292	24.70	0.295	24.59	0.288
10	64QAM	25	0	24.04	0.254	23.66	0.232	23.74	0.237
10	64QAM	25	12	23.66	0.232	23.67	0.233	23.67	0.233
10	64QAM	25	25	23.60	0.229	23.60	0.229	23.76	0.238
10	64QAM	50	0	23.63	0.231	23.97	0.249	23.64	0.231



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	25.84	0.384	25.78	0.378	25.81	0.381
5	QPSK	1	12	25.77	0.378	25.76	0.377	25.70	0.372
5	QPSK	1	24	25.64	0.366	25.68	0.370	25.53	0.357
5	QPSK	12	0	24.69	0.294	24.82	0.303	24.95	0.313
5	QPSK	12	7	24.76	0.299	24.84	0.305	24.73	0.297
5	QPSK	12	13	24.84	0.305	24.58	0.287	24.62	0.290
5	QPSK	25	0	24.70	0.295	24.77	0.300	24.51	0.282
5	16QAM	1	0	24.68	0.294	24.98	0.315	24.76	0.299
5	16QAM	1	12	24.79	0.301	24.80	0.302	24.71	0.296
5	16QAM	1	24	24.89	0.308	24.97	0.314	24.59	0.288
5	16QAM	12	0	23.84	0.242	24.02	0.252	23.72	0.236
5	16QAM	12	7	23.68	0.233	23.95	0.248	23.65	0.232
5	16QAM	12	13	23.73	0.236	23.93	0.247	23.73	0.236
5	16QAM	25	0	23.95	0.248	23.81	0.240	23.80	0.240
5	64QAM	1	0	24.87	0.307	24.96	0.313	24.66	0.292
5	64QAM	1	12	24.73	0.297	24.87	0.307	24.90	0.309
5	64QAM	1	24	24.94	0.312	24.73	0.297	24.81	0.303
5	64QAM	12	0	23.78	0.239	24.03	0.253	23.76	0.238
5	64QAM	12	7	23.75	0.237	23.72	0.236	23.84	0.242
5	64QAM	12	13	23.89	0.245	23.62	0.230	23.66	0.232
5	64QAM	25	0	23.95	0.248	23.68	0.233	23.77	0.238



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	25.82	0.382	25.80	0.380	25.71	0.372
3	QPSK	1	8	25.67	0.369	25.82	0.382	25.61	0.364
3	QPSK	1	14	25.75	0.376	25.77	0.378	25.80	0.380
3	QPSK	8	0	24.84	0.305	24.82	0.303	24.95	0.313
3	QPSK	8	4	24.96	0.313	24.62	0.290	24.65	0.292
3	QPSK	8	7	24.90	0.309	24.86	0.306	24.76	0.299
3	QPSK	15	0	24.78	0.301	24.87	0.307	24.63	0.290
3	16QAM	1	0	24.85	0.305	24.84	0.305	24.65	0.292
3	16QAM	1	8	24.58	0.287	24.85	0.305	24.64	0.291
3	16QAM	1	14	24.89	0.308	25.04	0.319	24.57	0.286
3	16QAM	8	0	23.77	0.238	23.85	0.243	23.73	0.236
3	16QAM	8	4	23.82	0.241	24.05	0.254	24.00	0.251
3	16QAM	8	7	24.00	0.251	23.91	0.246	23.65	0.232
3	16QAM	15	0	24.05	0.254	23.79	0.239	24.00	0.251
3	64QAM	1	0	24.93	0.311	25.02	0.318	24.99	0.316
3	64QAM	1	8	24.90	0.309	24.89	0.308	24.74	0.298
3	64QAM	1	14	24.94	0.312	24.80	0.302	24.64	0.291
3	64QAM	8	0	23.70	0.234	23.89	0.245	23.85	0.243
3	64QAM	8	4	23.87	0.244	23.86	0.243	23.73	0.236
3	64QAM	8	7	23.73	0.236	23.95	0.248	23.66	0.232
3	64QAM	15	0	23.90	0.245	23.76	0.238	23.89	0.245



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	25.82	0.382	25.79	0.379	25.79	0.379
1.4	QPSK	1	3	25.64	0.366	25.81	0.381	25.76	0.377
1.4	QPSK	1	5	25.72	0.373	25.77	0.378	25.87	0.386
1.4	QPSK	3	0	24.80	0.302	24.89	0.308	24.85	0.305
1.4	QPSK	3	1	24.99	0.316	24.77	0.300	24.96	0.313
1.4	QPSK	3	3	24.84	0.305	24.94	0.312	24.73	0.297
1.4	QPSK	6	0	24.73	0.297	24.85	0.305	24.63	0.290
1.4	16QAM	1	0	24.77	0.300	25.13	0.326	24.79	0.301
1.4	16QAM	1	3	24.87	0.307	24.95	0.313	24.73	0.297
1.4	16QAM	1	5	24.99	0.316	24.85	0.305	24.91	0.310
1.4	16QAM	3	0	23.85	0.243	23.98	0.250	24.05	0.254
1.4	16QAM	3	1	23.77	0.238	23.89	0.245	23.86	0.243
1.4	16QAM	3	3	23.89	0.245	23.81	0.240	23.86	0.243
1.4	16QAM	6	0	23.97	0.249	24.08	0.256	23.78	0.239
1.4	64QAM	1	0	24.78	0.301	24.91	0.310	25.02	0.318
1.4	64QAM	1	3	24.87	0.307	24.80	0.302	24.68	0.294
1.4	64QAM	1	5	24.72	0.296	24.61	0.289	24.79	0.301
1.4	64QAM	3	0	23.76	0.238	23.78	0.239	23.85	0.243
1.4	64QAM	3	1	23.83	0.242	23.73	0.236	23.81	0.240
1.4	64QAM	3	3	23.72	0.236	23.87	0.244	23.80	0.240
1.4	64QAM	6	0	23.88	0.244	23.73	0.236	23.73	0.236



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	24.49	0.281	24.63	0.290	24.61	0.289
20	QPSK	1	49	24.54	0.284	24.58	0.287	24.44	0.278
20	QPSK	1	99	24.60	0.288	24.44	0.278	24.34	0.272
20	QPSK	50	0	23.58	0.228	23.77	0.238	23.71	0.235
20	QPSK	50	24	23.48	0.223	23.79	0.239	23.46	0.222
20	QPSK	50	50	23.54	0.226	23.55	0.226	23.57	0.228
20	QPSK	100	0	23.60	0.229	23.64	0.231	23.46	0.222
20	16QAM	1	0	23.65	0.232	23.66	0.232	23.56	0.227
20	16QAM	1	49	23.37	0.217	23.65	0.232	23.56	0.227
20	16QAM	1	99	23.82	0.241	23.51	0.224	23.54	0.226
20	16QAM	50	0	22.85	0.193	22.87	0.194	22.72	0.187
20	16QAM	50	24	22.65	0.184	22.54	0.179	22.43	0.175
20	16QAM	50	50	22.59	0.182	22.63	0.183	22.66	0.185
20	16QAM	100	0	22.60	0.182	22.64	0.184	22.76	0.189
20	64QAM	1	0	23.60	0.229	23.60	0.229	23.54	0.226
20	64QAM	1	49	23.66	0.232	23.60	0.229	23.51	0.224
20	64QAM	1	99	23.77	0.238	23.54	0.226	23.61	0.230
20	64QAM	50	0	22.66	0.185	22.54	0.179	22.59	0.182
20	64QAM	50	24	22.55	0.180	22.57	0.181	22.58	0.181
20	64QAM	50	50	22.69	0.186	22.56	0.180	22.54	0.179
20	64QAM	100	0	22.77	0.189	22.82	0.191	22.42	0.175



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	24.56	0.286	24.60	0.288	24.57	0.286
15	QPSK	1	37	24.43	0.277	24.42	0.277	24.33	0.271
15	QPSK	1	74	24.43	0.277	24.56	0.286	24.57	0.286
15	QPSK	36	0	23.56	0.227	23.73	0.236	23.54	0.226
15	QPSK	36	20	23.56	0.227	23.53	0.225	23.47	0.222
15	QPSK	36	39	23.59	0.229	23.58	0.228	23.66	0.232
15	QPSK	75	0	23.67	0.233	23.80	0.240	23.44	0.221
15	16QAM	1	0	23.72	0.236	23.92	0.247	23.74	0.237
15	16QAM	1	37	23.51	0.224	23.56	0.227	23.83	0.242
15	16QAM	1	74	23.44	0.221	23.70	0.234	23.50	0.224
15	16QAM	36	0	22.61	0.182	22.67	0.185	22.84	0.192
15	16QAM	36	20	22.58	0.181	22.70	0.186	22.47	0.177
15	16QAM	36	39	22.61	0.182	22.66	0.185	22.80	0.191
15	16QAM	75	0	22.58	0.181	22.65	0.184	22.79	0.190
15	64QAM	1	0	23.56	0.227	23.58	0.228	23.85	0.243
15	64QAM	1	37	23.72	0.236	23.54	0.226	23.47	0.222
15	64QAM	1	74	23.77	0.238	23.71	0.235	23.49	0.223
15	64QAM	36	0	22.64	0.184	22.63	0.183	22.92	0.196
15	64QAM	36	20	22.49	0.177	22.47	0.177	22.45	0.176
15	64QAM	36	39	22.47	0.177	22.75	0.188	22.63	0.183
15	64QAM	75	0	22.60	0.182	22.68	0.185	22.49	0.177



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	24.57	0.286	24.60	0.288	24.56	0.286
10	QPSK	1	25	24.53	0.284	24.48	0.281	24.54	0.284
10	QPSK	1	49	24.56	0.286	24.52	0.283	24.40	0.275
10	QPSK	25	0	23.41	0.219	23.60	0.229	23.71	0.235
10	QPSK	25	12	23.75	0.237	23.76	0.238	23.43	0.220
10	QPSK	25	25	23.71	0.235	23.74	0.237	23.37	0.217
10	QPSK	50	0	23.38	0.218	23.66	0.232	23.38	0.218
10	16QAM	1	0	23.85	0.243	23.93	0.247	23.50	0.224
10	16QAM	1	25	23.68	0.233	23.61	0.230	23.44	0.221
10	16QAM	1	49	23.57	0.228	23.58	0.228	23.68	0.233
10	16QAM	25	0	22.60	0.182	22.83	0.192	22.51	0.178
10	16QAM	25	12	22.61	0.182	22.59	0.182	22.44	0.175
10	16QAM	25	25	22.63	0.183	22.54	0.179	22.78	0.190
10	16QAM	50	0	22.71	0.187	22.79	0.190	22.53	0.179
10	64QAM	1	0	23.39	0.218	23.79	0.239	23.54	0.226
10	64QAM	1	25	23.57	0.228	23.49	0.223	23.53	0.225
10	64QAM	1	49	23.51	0.224	23.50	0.224	23.64	0.231
10	64QAM	25	0	22.54	0.179	22.84	0.192	22.82	0.191
10	64QAM	25	12	22.65	0.184	22.81	0.191	22.44	0.175
10	64QAM	25	25	22.49	0.177	22.56	0.180	22.39	0.173
10	64QAM	50	0	22.65	0.184	22.69	0.186	22.39	0.173



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	24.51	0.282	24.59	0.288	24.53	0.284
5	QPSK	1	12	24.58	0.287	24.57	0.286	24.52	0.283
5	QPSK	1	24	24.54	0.284	24.48	0.281	24.55	0.285
5	QPSK	12	0	23.41	0.219	23.72	0.236	23.51	0.224
5	QPSK	12	7	23.59	0.229	23.54	0.226	23.75	0.237
5	QPSK	12	13	23.75	0.237	23.73	0.236	23.37	0.217
5	QPSK	25	0	23.39	0.218	23.76	0.238	23.41	0.219
5	16QAM	1	0	23.84	0.242	23.76	0.238	23.45	0.221
5	16QAM	1	12	23.57	0.228	23.63	0.231	23.73	0.236
5	16QAM	1	24	23.76	0.238	23.77	0.238	23.38	0.218
5	16QAM	12	0	22.70	0.186	22.81	0.191	22.83	0.192
5	16QAM	12	7	22.74	0.188	22.75	0.188	22.48	0.177
5	16QAM	12	13	22.85	0.193	22.87	0.194	22.70	0.186
5	16QAM	25	0	22.52	0.179	22.74	0.188	22.87	0.194
5	64QAM	1	0	23.70	0.234	23.55	0.226	23.47	0.222
5	64QAM	1	12	23.59	0.229	23.65	0.232	23.72	0.236
5	64QAM	1	24	23.66	0.232	23.59	0.229	23.70	0.234
5	64QAM	12	0	22.84	0.192	22.63	0.183	22.89	0.195
5	64QAM	12	7	22.52	0.179	22.57	0.181	22.54	0.179
5	64QAM	12	13	22.65	0.184	22.39	0.173	22.58	0.181
5	64QAM	25	0	22.78	0.190	22.80	0.191	22.57	0.181



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	24.47	0.280	24.58	0.287	24.51	0.282
3	QPSK	1	8	24.56	0.286	24.50	0.282	24.45	0.279
3	QPSK	1	14	24.51	0.282	24.54	0.284	24.57	0.286
3	QPSK	8	0	23.59	0.229	23.46	0.222	23.47	0.222
3	QPSK	8	4	23.71	0.235	23.57	0.228	23.65	0.232
3	QPSK	8	7	23.64	0.231	23.75	0.237	23.59	0.229
3	QPSK	15	0	23.57	0.228	23.68	0.233	23.68	0.233
3	16QAM	1	0	23.52	0.225	23.76	0.238	23.40	0.219
3	16QAM	1	8	23.40	0.219	23.82	0.241	23.72	0.236
3	16QAM	1	14	23.76	0.238	23.71	0.235	23.38	0.218
3	16QAM	8	0	22.91	0.195	22.88	0.194	22.70	0.186
3	16QAM	8	4	22.53	0.179	22.76	0.189	22.58	0.181
3	16QAM	8	7	22.54	0.179	22.76	0.189	22.71	0.187
3	16QAM	15	0	22.73	0.187	22.92	0.196	22.71	0.187
3	64QAM	1	0	23.40	0.219	23.76	0.238	23.85	0.243
3	64QAM	1	8	23.84	0.242	23.66	0.232	23.48	0.223
3	64QAM	1	14	23.49	0.223	23.80	0.240	23.61	0.230
3	64QAM	8	0	22.51	0.178	22.73	0.187	22.90	0.195
3	64QAM	8	4	22.73	0.187	22.50	0.178	22.72	0.187
3	64QAM	8	7	22.57	0.181	22.66	0.185	22.54	0.179
3	64QAM	15	0	22.52	0.179	22.63	0.183	22.73	0.187



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	24.57	0.286	24.58	0.287	24.55	0.285
1.4	QPSK	1	3	24.48	0.281	24.45	0.279	24.49	0.281
1.4	QPSK	1	5	24.53	0.284	24.45	0.279	24.52	0.283
1.4	QPSK	3	0	23.61	0.230	23.58	0.228	23.65	0.232
1.4	QPSK	3	1	23.84	0.242	23.81	0.240	23.61	0.230
1.4	QPSK	3	3	23.65	0.232	23.62	0.230	23.67	0.233
1.4	QPSK	6	0	23.36	0.217	23.82	0.241	23.52	0.225
1.4	16QAM	1	0	23.64	0.231	23.59	0.229	23.44	0.221
1.4	16QAM	1	3	23.59	0.229	23.58	0.228	23.72	0.236
1.4	16QAM	1	5	23.73	0.236	23.87	0.244	23.67	0.233
1.4	16QAM	3	0	22.91	0.195	22.99	0.199	22.77	0.189
1.4	16QAM	3	1	22.68	0.185	22.76	0.189	22.76	0.189
1.4	16QAM	3	3	22.68	0.185	22.54	0.179	22.82	0.191
1.4	16QAM	6	0	22.86	0.193	22.87	0.194	22.82	0.191
1.4	64QAM	1	0	23.73	0.236	23.54	0.226	23.50	0.224
1.4	64QAM	1	3	23.76	0.238	23.76	0.238	23.58	0.228
1.4	64QAM	1	5	23.84	0.242	23.83	0.242	23.67	0.233
1.4	64QAM	3	0	22.85	0.193	22.82	0.191	22.73	0.187
1.4	64QAM	3	1	22.63	0.183	22.65	0.184	22.68	0.185
1.4	64QAM	3	3	22.62	0.183	22.71	0.187	22.69	0.186
1.4	64QAM	6	0	22.63	0.183	22.69	0.186	22.39	0.173



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	20.71	0.118	20.84	0.121	20.64	0.116
10	QPSK	1	25	20.72	0.118	20.62	0.115	20.67	0.117
10	QPSK	1	49	20.62	0.115	20.56	0.114	20.62	0.115
10	QPSK	25	0	19.83	0.096	19.55	0.090	19.86	0.097
10	QPSK	25	12	19.55	0.090	19.70	0.093	19.68	0.093
10	QPSK	25	25	19.66	0.092	19.66	0.092	19.55	0.090
10	QPSK	50	0	19.56	0.090	19.50	0.089	19.55	0.090
10	16QAM	1	0	19.69	0.093	19.75	0.094	19.76	0.095
10	16QAM	1	25	19.70	0.093	19.71	0.094	19.88	0.097
10	16QAM	1	49	19.54	0.090	19.77	0.095	19.70	0.093
10	16QAM	25	0	18.87	0.077	18.77	0.075	18.93	0.078
10	16QAM	25	12	18.83	0.076	18.57	0.072	18.50	0.071
10	16QAM	25	25	18.80	0.076	18.79	0.076	18.91	0.078
10	16QAM	50	0	18.81	0.076	18.72	0.074	18.60	0.072
10	64QAM	1	0	19.58	0.091	20.01	0.100	19.65	0.092
10	64QAM	1	25	19.59	0.091	19.68	0.093	19.60	0.091
10	64QAM	1	49	19.94	0.099	19.53	0.090	19.75	0.094
10	64QAM	25	0	18.67	0.074	18.86	0.077	18.93	0.078
10	64QAM	25	12	18.54	0.071	18.82	0.076	18.54	0.071
10	64QAM	25	25	18.79	0.076	18.58	0.072	18.68	0.074
10	64QAM	50	0	18.62	0.073	18.91	0.078	18.70	0.074



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	20.76	0.119	20.77	0.119	20.67	0.117
5	QPSK	1	12	20.67	0.117	20.65	0.116	20.70	0.117
5	QPSK	1	24	20.63	0.116	20.68	0.117	20.67	0.117
5	QPSK	12	0	19.83	0.096	19.57	0.091	19.66	0.092
5	QPSK	12	7	19.65	0.092	19.50	0.089	19.66	0.092
5	QPSK	12	13	19.59	0.091	19.79	0.095	19.54	0.090
5	QPSK	25	0	19.70	0.093	19.82	0.096	19.51	0.089
5	16QAM	1	0	19.90	0.098	19.64	0.092	19.48	0.089
5	16QAM	1	12	19.69	0.093	19.67	0.093	19.57	0.091
5	16QAM	1	24	19.75	0.094	19.85	0.097	19.81	0.096
5	16QAM	12	0	18.67	0.074	18.77	0.075	18.69	0.074
5	16QAM	12	7	18.46	0.070	18.93	0.078	18.77	0.075
5	16QAM	12	13	18.67	0.074	18.81	0.076	18.59	0.072
5	16QAM	25	0	18.79	0.076	18.73	0.075	18.54	0.071
5	64QAM	1	0	19.47	0.089	19.70	0.093	19.75	0.094
5	64QAM	1	12	19.58	0.091	19.81	0.096	19.54	0.090
5	64QAM	1	24	19.89	0.097	19.65	0.092	19.50	0.089
5	64QAM	12	0	18.65	0.073	18.60	0.072	18.64	0.073
5	64QAM	12	7	18.62	0.073	18.74	0.075	18.78	0.076
5	64QAM	12	13	18.50	0.071	18.60	0.072	18.58	0.072
5	64QAM	25	0	18.48	0.070	18.90	0.078	18.52	0.071



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	20.58	0.114	20.80	0.120	20.75	0.119
3	QPSK	1	8	20.78	0.120	20.76	0.119	20.76	0.119
3	QPSK	1	14	20.67	0.117	20.73	0.118	20.53	0.113
3	QPSK	8	0	19.79	0.095	19.73	0.094	19.50	0.089
3	QPSK	8	4	19.70	0.093	19.71	0.094	19.65	0.092
3	QPSK	8	7	19.85	0.097	19.47	0.089	19.57	0.091
3	QPSK	15	0	19.62	0.092	19.51	0.089	19.76	0.095
3	16QAM	1	0	19.96	0.099	19.88	0.097	19.74	0.094
3	16QAM	1	8	19.66	0.092	19.58	0.091	19.76	0.095
3	16QAM	1	14	19.59	0.091	19.60	0.091	19.67	0.093
3	16QAM	8	0	18.80	0.076	18.89	0.077	18.92	0.078
3	16QAM	8	4	18.55	0.072	18.84	0.077	18.55	0.072
3	16QAM	8	7	18.98	0.079	18.96	0.079	18.58	0.072
3	16QAM	15	0	18.59	0.072	18.98	0.079	18.85	0.077
3	64QAM	1	0	19.80	0.095	19.86	0.097	19.70	0.093
3	64QAM	1	8	19.62	0.092	19.73	0.094	19.79	0.095
3	64QAM	1	14	19.87	0.097	19.74	0.094	19.84	0.096
3	64QAM	8	0	18.87	0.077	18.85	0.077	18.92	0.078
3	64QAM	8	4	18.50	0.071	18.60	0.072	18.69	0.074
3	64QAM	8	7	18.43	0.070	18.79	0.076	18.67	0.074
3	64QAM	15	0	18.87	0.077	18.79	0.076	18.75	0.075



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	20.77	0.119	20.75	0.119	20.79	0.120
1.4	QPSK	1	3	20.53	0.113	20.64	0.116	20.71	0.118
1.4	QPSK	1	5	20.59	0.115	20.60	0.115	20.76	0.119
1.4	QPSK	3	0	19.86	0.097	19.62	0.092	19.79	0.095
1.4	QPSK	3	1	19.56	0.090	19.77	0.095	19.55	0.090
1.4	QPSK	3	3	19.89	0.097	19.76	0.095	19.60	0.091
1.4	QPSK	6	0	19.75	0.094	19.79	0.095	19.62	0.092
1.4	16QAM	1	0	19.89	0.097	19.73	0.094	19.86	0.097
1.4	16QAM	1	3	19.51	0.089	19.61	0.091	19.84	0.096
1.4	16QAM	1	5	19.84	0.096	19.79	0.095	19.53	0.090
1.4	16QAM	3	0	18.87	0.077	18.99	0.079	18.67	0.074
1.4	16QAM	3	1	18.83	0.076	18.58	0.072	18.62	0.073
1.4	16QAM	3	3	18.90	0.078	18.89	0.077	18.83	0.076
1.4	16QAM	6	0	18.78	0.076	18.87	0.077	18.94	0.078
1.4	64QAM	1	0	19.63	0.092	19.74	0.094	19.65	0.092
1.4	64QAM	1	3	19.82	0.096	19.67	0.093	19.75	0.094
1.4	64QAM	1	5	19.56	0.090	19.57	0.091	19.84	0.096
1.4	64QAM	3	0	18.76	0.075	18.83	0.076	18.91	0.078
1.4	64QAM	3	1	18.58	0.072	18.81	0.076	18.84	0.077
1.4	64QAM	3	3	18.60	0.072	18.59	0.072	18.56	0.072
1.4	64QAM	6	0	18.85	0.077	18.91	0.078	18.70	0.074



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.42	0.277	24.55	0.285	24.45	0.279
20	QPSK	1	49	24.13	0.259	24.14	0.259	24.35	0.272
20	QPSK	1	99	24.14	0.259	24.12	0.258	24.21	0.264
20	QPSK	50	0	23.43	0.220	23.46	0.222	23.38	0.218
20	QPSK	50	24	23.36	0.217	23.42	0.220	23.11	0.205
20	QPSK	50	50	23.48	0.223	23.34	0.216	23.44	0.221
20	QPSK	100	0	23.41	0.219	23.18	0.208	23.14	0.206
20	16QAM	1	0	23.48	0.223	23.59	0.229	23.39	0.218
20	16QAM	1	49	23.23	0.210	23.54	0.226	23.41	0.219
20	16QAM	1	99	23.18	0.208	23.58	0.228	23.40	0.219
20	16QAM	50	0	22.34	0.171	22.37	0.173	22.35	0.172
20	16QAM	50	24	22.47	0.177	22.36	0.172	22.19	0.166
20	16QAM	50	50	22.39	0.173	22.32	0.171	22.20	0.166
20	16QAM	100	0	22.21	0.166	22.67	0.185	22.35	0.172
20	64QAM	1	0	23.43	0.220	23.34	0.216	23.26	0.212
20	64QAM	1	49	23.27	0.212	23.29	0.213	23.50	0.224
20	64QAM	1	99	23.33	0.215	23.25	0.211	23.32	0.215
20	64QAM	50	0	22.56	0.180	22.22	0.167	22.51	0.178
20	64QAM	50	24	22.10	0.162	22.52	0.179	22.29	0.169
20	64QAM	50	50	22.32	0.171	22.49	0.177	22.38	0.173
20	64QAM	100	0	22.52	0.179	22.35	0.172	22.47	0.177



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.43	0.277	24.46	0.279	24.49	0.281
15	QPSK	1	37	24.28	0.268	24.40	0.275	24.44	0.278
15	QPSK	1	74	24.36	0.273	24.31	0.270	24.17	0.261
15	QPSK	36	0	23.54	0.226	23.35	0.216	23.24	0.211
15	QPSK	36	20	23.55	0.226	23.20	0.209	23.28	0.213
15	QPSK	36	39	23.42	0.220	23.50	0.224	23.16	0.207
15	QPSK	75	0	23.48	0.223	23.16	0.207	23.42	0.220
15	16QAM	1	0	23.58	0.228	23.34	0.216	23.31	0.214
15	16QAM	1	37	23.25	0.211	23.47	0.222	23.17	0.207
15	16QAM	1	74	23.31	0.214	23.28	0.213	23.48	0.223
15	16QAM	36	0	22.50	0.178	22.43	0.175	22.32	0.171
15	16QAM	36	20	22.22	0.167	22.61	0.182	22.51	0.178
15	16QAM	36	39	22.27	0.169	22.28	0.169	22.20	0.166
15	16QAM	75	0	22.49	0.177	22.50	0.178	22.60	0.182
15	64QAM	1	0	23.28	0.213	23.43	0.220	23.48	0.223
15	64QAM	1	37	23.47	0.222	23.36	0.217	23.25	0.211
15	64QAM	1	74	23.55	0.226	23.31	0.214	23.50	0.224
15	64QAM	36	0	22.26	0.168	22.51	0.178	22.44	0.175
15	64QAM	36	20	22.36	0.172	22.34	0.171	22.20	0.166
15	64QAM	36	39	22.11	0.163	22.34	0.171	22.32	0.171
15	64QAM	75	0	22.39	0.173	22.51	0.178	22.31	0.170



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.51	0.282	24.39	0.275	24.36	0.273
10	QPSK	1	25	24.49	0.281	24.37	0.274	24.15	0.260
10	QPSK	1	49	24.27	0.267	24.15	0.260	24.26	0.267
10	QPSK	25	0	23.50	0.224	23.29	0.213	23.24	0.211
10	QPSK	25	12	23.29	0.213	23.36	0.217	23.31	0.214
10	QPSK	25	25	23.54	0.226	23.29	0.213	23.36	0.217
10	QPSK	50	0	23.36	0.217	23.32	0.215	23.41	0.219
10	16QAM	1	0	23.45	0.221	23.36	0.217	23.42	0.220
10	16QAM	1	25	23.18	0.208	23.55	0.226	23.41	0.219
10	16QAM	1	49	23.46	0.222	23.23	0.210	23.12	0.205
10	16QAM	25	0	22.36	0.172	22.66	0.185	22.35	0.172
10	16QAM	25	12	22.28	0.169	22.42	0.175	22.25	0.168
10	16QAM	25	25	22.66	0.185	22.27	0.169	22.49	0.177
10	16QAM	50	0	22.29	0.169	22.63	0.183	22.48	0.177
10	64QAM	1	0	23.45	0.221	23.33	0.215	23.29	0.213
10	64QAM	1	25	23.28	0.213	23.32	0.215	23.42	0.220
10	64QAM	1	49	23.55	0.226	23.51	0.224	23.51	0.224
10	64QAM	25	0	22.60	0.182	22.31	0.170	22.37	0.173
10	64QAM	25	12	22.34	0.171	22.55	0.180	22.30	0.170
10	64QAM	25	25	22.15	0.164	22.40	0.174	22.34	0.171
10	64QAM	50	0	22.47	0.177	22.22	0.167	22.33	0.171



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.42	0.277	24.34	0.272	24.50	0.282
5	QPSK	1	12	24.26	0.267	24.46	0.279	24.42	0.277
5	QPSK	1	24	24.30	0.269	24.25	0.266	24.40	0.275
5	QPSK	12	0	23.50	0.224	23.54	0.226	23.20	0.209
5	QPSK	12	7	23.52	0.225	23.54	0.226	23.25	0.211
5	QPSK	12	13	23.26	0.212	23.24	0.211	23.45	0.221
5	QPSK	25	0	23.19	0.208	23.27	0.212	23.07	0.203
5	16QAM	1	0	23.30	0.214	23.36	0.217	23.49	0.223
5	16QAM	1	12	23.36	0.217	23.41	0.219	23.25	0.211
5	16QAM	1	24	23.49	0.223	23.47	0.222	23.39	0.218
5	16QAM	12	0	22.41	0.174	22.55	0.180	22.60	0.182
5	16QAM	12	7	22.24	0.167	22.23	0.167	22.24	0.167
5	16QAM	12	13	22.65	0.184	22.34	0.171	22.41	0.174
5	16QAM	25	0	22.23	0.167	22.29	0.169	22.50	0.178
5	64QAM	1	0	23.35	0.216	23.66	0.232	23.49	0.223
5	64QAM	1	12	23.22	0.210	23.59	0.229	23.27	0.212
5	64QAM	1	24	23.35	0.216	23.22	0.210	23.47	0.222
5	64QAM	12	0	22.29	0.169	22.33	0.171	22.45	0.176
5	64QAM	12	7	22.36	0.172	22.31	0.170	22.17	0.165
5	64QAM	12	13	22.09	0.162	22.34	0.171	22.16	0.164
5	64QAM	25	0	22.25	0.168	22.32	0.171	22.16	0.164



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	17.65	0.058	17.83	0.061	17.74	0.059
10	QPSK	1	25	17.67	0.058	17.56	0.057	17.67	0.058
10	QPSK	1	49	17.74	0.059	17.72	0.059	17.50	0.056
10	QPSK	25	0	16.44	0.044	16.72	0.047	16.70	0.047
10	QPSK	25	12	16.61	0.046	16.62	0.046	16.54	0.045
10	QPSK	25	25	16.77	0.048	16.69	0.047	16.53	0.045
10	QPSK	50	0	16.55	0.045	16.75	0.047	16.33	0.043
10	16QAM	1	0	16.84	0.048	16.74	0.047	16.52	0.045
10	16QAM	1	25	16.47	0.044	16.77	0.048	16.52	0.045
10	16QAM	1	49	16.73	0.047	16.85	0.048	16.56	0.045
10	16QAM	25	0	15.81	0.038	15.80	0.038	15.78	0.038
10	16QAM	25	12	15.66	0.037	15.76	0.038	15.56	0.036
10	16QAM	25	25	15.52	0.036	15.50	0.035	15.67	0.037
10	16QAM	50	0	15.65	0.037	15.63	0.037	15.42	0.035
10	64QAM	1	0	16.40	0.044	16.81	0.048	16.73	0.047
10	64QAM	1	25	16.56	0.045	16.44	0.044	16.66	0.046
10	64QAM	1	49	16.64	0.046	16.78	0.048	16.60	0.046
10	64QAM	25	0	15.59	0.036	15.68	0.037	15.66	0.037
10	64QAM	25	12	15.45	0.035	15.37	0.034	15.51	0.036
10	64QAM	25	25	15.66	0.037	15.49	0.035	15.33	0.034
10	64QAM	50	0	15.43	0.035	15.73	0.037	15.48	0.035



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	17.65	0.058	17.80	0.060	17.52	0.056
5	QPSK	1	12	17.38	0.055	17.45	0.056	17.62	0.058
5	QPSK	1	24	17.65	0.058	17.41	0.055	17.66	0.058
5	QPSK	12	0	16.76	0.047	16.71	0.047	16.69	0.047
5	QPSK	12	7	16.63	0.046	16.60	0.046	16.65	0.046
5	QPSK	12	13	16.75	0.047	16.37	0.043	16.34	0.043
5	QPSK	25	0	16.69	0.047	16.66	0.046	16.29	0.043
5	16QAM	1	0	16.76	0.047	16.76	0.047	16.42	0.044
5	16QAM	1	12	16.35	0.043	16.63	0.046	16.55	0.045
5	16QAM	1	24	16.43	0.044	16.79	0.048	16.40	0.044
5	16QAM	12	0	15.76	0.038	15.57	0.036	15.64	0.037
5	16QAM	12	7	15.65	0.037	15.44	0.035	15.78	0.038
5	16QAM	12	13	15.79	0.038	15.74	0.037	15.67	0.037
5	16QAM	25	0	15.48	0.035	15.74	0.037	15.73	0.037
5	64QAM	1	0	16.56	0.045	16.61	0.046	16.73	0.047
5	64QAM	1	12	16.52	0.045	16.81	0.048	16.63	0.046
5	64QAM	1	24	16.60	0.046	16.62	0.046	16.56	0.045
5	64QAM	12	0	15.70	0.037	15.61	0.036	15.59	0.036
5	64QAM	12	7	15.50	0.035	15.58	0.036	15.48	0.035
5	64QAM	12	13	15.53	0.036	15.66	0.037	15.41	0.035
5	64QAM	25	0	15.41	0.035	15.66	0.037	15.68	0.037



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	17.76	0.060	17.72	0.059	17.61	0.058
3	QPSK	1	8	17.51	0.056	17.50	0.056	17.62	0.058
3	QPSK	1	14	17.65	0.058	17.48	0.056	17.53	0.057
3	QPSK	8	0	16.41	0.044	16.56	0.045	16.47	0.044
3	QPSK	8	4	16.67	0.046	16.64	0.046	16.70	0.047
3	QPSK	8	7	16.60	0.046	16.43	0.044	16.34	0.043
3	QPSK	15	0	16.57	0.045	16.67	0.046	16.46	0.044
3	16QAM	1	0	16.53	0.045	16.76	0.047	16.42	0.044
3	16QAM	1	8	16.51	0.045	16.53	0.045	16.65	0.046
3	16QAM	1	14	16.64	0.046	16.78	0.048	16.60	0.046
3	16QAM	8	0	15.80	0.038	15.60	0.036	15.77	0.038
3	16QAM	8	4	15.51	0.036	15.81	0.038	15.59	0.036
3	16QAM	8	7	15.58	0.036	15.51	0.036	15.52	0.036
3	16QAM	15	0	15.53	0.036	15.60	0.036	15.70	0.037
3	64QAM	1	0	16.63	0.046	16.61	0.046	16.54	0.045
3	64QAM	1	8	16.69	0.047	16.59	0.046	16.49	0.045
3	64QAM	1	14	16.66	0.046	16.58	0.045	16.66	0.046
3	64QAM	8	0	15.75	0.038	15.61	0.036	15.47	0.035
3	64QAM	8	4	15.41	0.035	15.75	0.038	15.52	0.036
3	64QAM	8	7	15.57	0.036	15.41	0.035	15.31	0.034
3	64QAM	15	0	15.61	0.036	15.47	0.035	15.32	0.034



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	17.65	0.058	17.73	0.059	17.71	0.059
1.4	QPSK	1	3	17.55	0.057	17.45	0.056	17.42	0.055
1.4	QPSK	1	5	17.56	0.057	17.66	0.058	17.39	0.055
1.4	QPSK	3	0	16.64	0.046	16.80	0.048	16.66	0.046
1.4	QPSK	3	1	16.77	0.048	16.62	0.046	16.67	0.046
1.4	QPSK	3	3	16.59	0.046	16.70	0.047	16.64	0.046
1.4	QPSK	6	0	16.39	0.044	16.63	0.046	16.64	0.046
1.4	16QAM	1	0	16.47	0.044	16.61	0.046	16.70	0.047
1.4	16QAM	1	3	16.36	0.043	16.51	0.045	16.54	0.045
1.4	16QAM	1	5	16.60	0.046	16.75	0.047	16.41	0.044
1.4	16QAM	3	0	15.74	0.037	15.89	0.039	15.67	0.037
1.4	16QAM	3	1	15.68	0.037	15.67	0.037	15.67	0.037
1.4	16QAM	3	3	15.67	0.037	15.65	0.037	15.68	0.037
1.4	16QAM	6	0	15.82	0.038	15.65	0.037	15.72	0.037
1.4	64QAM	1	0	16.48	0.044	16.58	0.045	16.72	0.047
1.4	64QAM	1	3	16.43	0.044	16.59	0.046	16.73	0.047
1.4	64QAM	1	5	16.63	0.046	16.48	0.044	16.36	0.043
1.4	64QAM	3	0	15.46	0.035	15.52	0.036	15.77	0.038
1.4	64QAM	3	1	15.50	0.035	15.41	0.035	15.54	0.036
1.4	64QAM	3	3	15.27	0.034	15.38	0.035	15.51	0.036
1.4	64QAM	6	0	15.57	0.036	15.67	0.037	15.45	0.035



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		23230		/	
Frequency (MHz)				/		782		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	19.78	0.095	/	/
10	QPSK	1	25	/	/	19.75	0.094	/	/
10	QPSK	1	49	/	/	19.71	0.094	/	/
10	QPSK	25	0	/	/	18.79	0.076	/	/
10	QPSK	25	12	/	/	18.82	0.076	/	/
10	QPSK	25	25	/	/	18.85	0.077	/	/
10	QPSK	50	0	/	/	18.77	0.075	/	/
10	16QAM	1	0	/	/	18.82	0.076	/	/
10	16QAM	1	25	/	/	18.85	0.077	/	/
10	16QAM	1	49	/	/	18.78	0.076	/	/
10	16QAM	25	0	/	/	17.80	0.060	/	/
10	16QAM	25	12	/	/	17.75	0.060	/	/
10	16QAM	25	25	/	/	17.77	0.060	/	/
10	16QAM	50	0	/	/	17.82	0.061	/	/
10	64QAM	1	0	/	/	18.89	0.077	/	/
10	64QAM	1	25	/	/	18.82	0.076	/	/
10	64QAM	1	49	/	/	18.78	0.076	/	/
10	64QAM	25	0	/	/	17.92	0.062	/	/
10	64QAM	25	12	/	/	17.79	0.060	/	/
10	64QAM	25	25	/	/	17.83	0.061	/	/
10	64QAM	50	0	/	/	17.80	0.060	/	/



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23205		23230		23255	
Frequency (MHz)				779.5		782		784.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.74	0.094	19.75	0.094	19.68	0.093
5	QPSK	1	12	19.48	0.089	19.72	0.094	19.68	0.093
5	QPSK	1	24	19.56	0.090	19.67	0.093	19.46	0.088
5	QPSK	12	0	18.62	0.073	18.80	0.076	18.58	0.072
5	QPSK	12	7	18.80	0.076	18.59	0.072	18.64	0.073
5	QPSK	12	13	18.52	0.071	18.66	0.073	18.51	0.071
5	QPSK	25	0	18.42	0.070	18.75	0.075	18.36	0.069
5	16QAM	1	0	18.68	0.074	18.53	0.071	18.72	0.074
5	16QAM	1	12	18.37	0.069	18.46	0.070	18.51	0.071
5	16QAM	1	24	18.71	0.074	18.67	0.074	18.34	0.068
5	16QAM	12	0	17.54	0.057	17.95	0.062	17.63	0.058
5	16QAM	12	7	17.53	0.057	17.73	0.059	17.76	0.060
5	16QAM	12	13	17.61	0.058	17.50	0.056	17.69	0.059
5	16QAM	25	0	17.73	0.059	17.68	0.059	17.73	0.059
5	64QAM	1	0	18.42	0.070	18.65	0.073	18.43	0.070
5	64QAM	1	12	18.53	0.071	18.66	0.073	18.55	0.072
5	64QAM	1	24	18.60	0.072	18.39	0.069	18.43	0.070
5	64QAM	12	0	17.51	0.056	17.73	0.059	17.79	0.060
5	64QAM	12	7	17.47	0.056	17.78	0.060	17.55	0.057
5	64QAM	12	13	17.46	0.056	17.44	0.055	17.46	0.056
5	64QAM	25	0	17.68	0.059	17.69	0.059	17.58	0.057



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	25.93	0.392	26.07	0.405	25.78	0.378
20	QPSK	1	49	25.85	0.385	25.72	0.373	25.76	0.377
20	QPSK	1	99	25.79	0.379	25.75	0.376	25.90	0.389
20	QPSK	50	0	24.79	0.301	24.65	0.292	24.73	0.297
20	QPSK	50	24	24.81	0.303	24.70	0.295	24.63	0.290
20	QPSK	50	50	24.93	0.311	24.60	0.288	24.79	0.301
20	QPSK	100	0	24.81	0.303	24.70	0.295	24.84	0.305
20	16QAM	1	0	25.07	0.321	25.12	0.325	24.79	0.301
20	16QAM	1	49	24.66	0.292	24.69	0.294	24.75	0.299
20	16QAM	1	99	24.99	0.316	24.77	0.300	24.63	0.290
20	16QAM	50	0	23.84	0.242	23.79	0.239	24.00	0.251
20	16QAM	50	24	23.57	0.228	24.01	0.252	23.70	0.234
20	16QAM	50	50	23.72	0.236	24.07	0.255	23.78	0.239
20	16QAM	100	0	23.69	0.234	23.87	0.244	23.67	0.233
20	64QAM	1	0	24.74	0.298	24.73	0.297	24.89	0.308
20	64QAM	1	49	24.72	0.296	24.89	0.308	25.00	0.316
20	64QAM	1	99	24.91	0.310	24.67	0.293	24.85	0.305
20	64QAM	50	0	23.83	0.242	23.95	0.248	23.96	0.249
20	64QAM	50	24	23.60	0.229	23.74	0.237	23.63	0.231
20	64QAM	50	50	23.85	0.243	23.84	0.242	23.68	0.233
20	64QAM	100	0	23.86	0.243	23.84	0.242	23.64	0.231



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	25.76	0.377	26.04	0.402	25.83	0.383
15	QPSK	1	37	25.71	0.372	25.75	0.376	25.74	0.375
15	QPSK	1	74	25.82	0.382	25.69	0.371	25.73	0.374
15	QPSK	36	0	24.73	0.297	24.75	0.299	24.92	0.310
15	QPSK	36	20	24.76	0.299	24.95	0.313	24.77	0.300
15	QPSK	36	39	24.75	0.299	24.80	0.302	24.53	0.284
15	QPSK	75	0	24.88	0.308	24.61	0.289	24.54	0.284
15	16QAM	1	0	24.99	0.316	24.78	0.301	24.91	0.310
15	16QAM	1	37	24.83	0.304	24.89	0.308	24.76	0.299
15	16QAM	1	74	24.78	0.301	24.83	0.304	24.55	0.285
15	16QAM	36	0	23.80	0.240	24.13	0.259	23.81	0.240
15	16QAM	36	20	23.87	0.244	23.88	0.244	23.96	0.249
15	16QAM	36	39	24.06	0.255	23.79	0.239	24.04	0.254
15	16QAM	75	0	23.86	0.243	23.93	0.247	23.84	0.242
15	64QAM	1	0	24.60	0.288	24.89	0.308	24.82	0.303
15	64QAM	1	37	24.96	0.313	24.83	0.304	24.87	0.307
15	64QAM	1	74	24.70	0.295	24.97	0.314	24.95	0.313
15	64QAM	36	0	23.79	0.239	23.67	0.233	23.70	0.234
15	64QAM	36	20	23.70	0.234	23.73	0.236	23.78	0.239
15	64QAM	36	39	23.86	0.243	23.83	0.242	23.91	0.246
15	64QAM	75	0	23.64	0.231	23.75	0.237	23.73	0.236



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	25.88	0.387	26.00	0.398	26.04	0.402
10	QPSK	1	25	25.71	0.372	25.90	0.389	25.77	0.378
10	QPSK	1	49	25.82	0.382	25.90	0.389	25.74	0.375
10	QPSK	25	0	24.94	0.312	24.70	0.295	24.82	0.303
10	QPSK	25	12	24.92	0.310	24.79	0.301	24.94	0.312
10	QPSK	25	25	24.76	0.299	24.63	0.290	24.54	0.284
10	QPSK	50	0	24.83	0.304	24.90	0.309	24.60	0.288
10	16QAM	1	0	25.06	0.321	25.08	0.322	24.66	0.292
10	16QAM	1	25	24.77	0.300	24.99	0.316	24.72	0.296
10	16QAM	1	49	24.78	0.301	25.01	0.317	24.75	0.299
10	16QAM	25	0	23.89	0.245	24.18	0.262	23.84	0.242
10	16QAM	25	12	23.81	0.240	23.92	0.247	23.81	0.240
10	16QAM	25	25	23.94	0.248	23.80	0.240	24.03	0.253
10	16QAM	50	0	23.67	0.233	23.78	0.239	23.82	0.241
10	64QAM	1	0	24.82	0.303	25.11	0.324	24.99	0.316
10	64QAM	1	25	24.67	0.293	24.88	0.308	24.82	0.303
10	64QAM	1	49	24.93	0.311	24.92	0.310	24.77	0.300
10	64QAM	25	0	23.89	0.245	24.04	0.254	24.00	0.251
10	64QAM	25	12	23.70	0.234	23.98	0.250	23.70	0.234
10	64QAM	25	25	23.75	0.237	23.87	0.244	23.69	0.234
10	64QAM	50	0	23.93	0.247	23.90	0.245	23.76	0.238



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	25.80	0.380	26.01	0.399	25.90	0.389
5	QPSK	1	12	25.62	0.365	25.59	0.362	25.73	0.374
5	QPSK	1	24	25.64	0.366	25.67	0.369	25.92	0.391
5	QPSK	12	0	24.63	0.290	24.75	0.299	24.82	0.303
5	QPSK	12	7	25.03	0.318	24.64	0.291	24.88	0.308
5	QPSK	12	13	24.67	0.293	24.70	0.295	24.89	0.308
5	QPSK	25	0	24.65	0.292	24.82	0.303	24.72	0.296
5	16QAM	1	0	24.96	0.313	24.79	0.301	24.79	0.301
5	16QAM	1	12	24.61	0.289	24.72	0.296	25.00	0.316
5	16QAM	1	24	25.00	0.316	24.92	0.310	24.57	0.286
5	16QAM	12	0	23.76	0.238	24.08	0.256	23.74	0.237
5	16QAM	12	7	23.71	0.235	23.76	0.238	23.77	0.238
5	16QAM	12	13	23.75	0.237	23.79	0.239	23.94	0.248
5	16QAM	25	0	23.70	0.234	23.78	0.239	23.73	0.236
5	64QAM	1	0	24.92	0.310	25.09	0.323	24.78	0.301
5	64QAM	1	12	24.65	0.292	24.75	0.299	24.83	0.304
5	64QAM	1	24	24.77	0.300	24.71	0.296	24.66	0.292
5	64QAM	12	0	23.68	0.233	23.76	0.238	23.82	0.241
5	64QAM	12	7	23.82	0.241	23.97	0.249	23.76	0.238
5	64QAM	12	13	23.80	0.240	23.85	0.243	23.82	0.241
5	64QAM	25	0	23.59	0.229	24.00	0.251	23.81	0.240



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	25.96	0.394	25.91	0.390	26.05	0.403
3	QPSK	1	8	25.79	0.379	25.89	0.388	25.72	0.373
3	QPSK	1	14	25.62	0.365	25.75	0.376	25.82	0.382
3	QPSK	8	0	24.64	0.291	24.76	0.299	24.75	0.299
3	QPSK	8	4	24.88	0.308	24.70	0.295	24.59	0.288
3	QPSK	8	7	24.86	0.306	24.60	0.288	24.72	0.296
3	QPSK	15	0	24.92	0.310	24.74	0.298	24.60	0.288
3	16QAM	1	0	24.72	0.296	25.11	0.324	24.96	0.313
3	16QAM	1	8	24.79	0.301	24.93	0.311	24.67	0.293
3	16QAM	1	14	24.69	0.294	24.95	0.313	24.77	0.300
3	16QAM	8	0	23.98	0.250	23.85	0.243	23.69	0.234
3	16QAM	8	4	23.85	0.243	23.78	0.239	23.79	0.239
3	16QAM	8	7	23.85	0.243	24.01	0.252	23.95	0.248
3	16QAM	15	0	23.81	0.240	23.75	0.237	24.05	0.254
3	64QAM	1	0	24.61	0.289	24.76	0.299	24.86	0.306
3	64QAM	1	8	24.81	0.303	24.66	0.292	24.99	0.316
3	64QAM	1	14	24.82	0.303	24.80	0.302	24.69	0.294
3	64QAM	8	0	23.83	0.242	23.68	0.233	23.88	0.244
3	64QAM	8	4	23.85	0.243	23.86	0.243	23.81	0.240
3	64QAM	8	7	23.58	0.228	23.74	0.237	23.72	0.236
3	64QAM	15	0	23.88	0.244	23.75	0.237	23.91	0.246



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	25.89	0.388	26.01	0.399	25.67	0.369
1.4	QPSK	1	3	25.67	0.369	25.89	0.388	25.67	0.369
1.4	QPSK	1	5	25.66	0.368	25.86	0.385	25.75	0.376
1.4	QPSK	3	0	24.81	0.303	25.00	0.316	24.87	0.307
1.4	QPSK	3	1	24.98	0.315	24.91	0.310	24.95	0.313
1.4	QPSK	3	3	24.80	0.302	24.93	0.311	24.75	0.299
1.4	QPSK	6	0	24.55	0.285	24.76	0.299	24.54	0.284
1.4	16QAM	1	0	24.97	0.314	24.90	0.309	24.59	0.288
1.4	16QAM	1	3	24.65	0.292	24.79	0.301	24.74	0.298
1.4	16QAM	1	5	24.62	0.290	24.94	0.312	24.66	0.292
1.4	16QAM	3	0	23.74	0.237	23.85	0.243	23.85	0.243
1.4	16QAM	3	1	23.73	0.236	23.87	0.244	24.01	0.252
1.4	16QAM	3	3	23.91	0.246	23.98	0.250	23.87	0.244
1.4	16QAM	6	0	23.98	0.250	23.82	0.241	23.95	0.248
1.4	64QAM	1	0	24.87	0.307	24.82	0.303	25.00	0.316
1.4	64QAM	1	3	24.99	0.316	24.75	0.299	24.74	0.298
1.4	64QAM	1	5	25.02	0.318	24.98	0.315	24.74	0.298
1.4	64QAM	3	0	23.70	0.234	23.75	0.237	23.79	0.239
1.4	64QAM	3	1	23.67	0.233	23.89	0.245	23.92	0.247
1.4	64QAM	3	3	23.84	0.242	23.86	0.243	23.54	0.226
1.4	64QAM	6	0	23.73	0.236	24.01	0.252	23.78	0.239



LTE Band 26				Measured E.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	21.15	0.130	21.09	0.129	21.05	0.127
15	QPSK	1	37	20.81	0.121	20.69	0.117	20.86	0.122
15	QPSK	1	74	20.91	0.123	20.89	0.123	20.73	0.118
15	QPSK	36	0	19.98	0.100	19.96	0.099	19.99	0.100
15	QPSK	36	20	20.01	0.100	19.99	0.100	19.77	0.095
15	QPSK	36	39	20.01	0.100	19.96	0.099	19.74	0.094
15	QPSK	75	0	19.90	0.098	19.78	0.095	19.65	0.092
15	16QAM	1	0	20.00	0.100	19.95	0.099	20.03	0.101
15	16QAM	1	37	19.93	0.098	19.88	0.097	19.92	0.098
15	16QAM	1	74	20.15	0.104	20.05	0.101	19.86	0.097
15	16QAM	36	0	18.95	0.079	18.89	0.077	18.84	0.077
15	16QAM	36	20	18.76	0.075	18.72	0.074	18.92	0.078
15	16QAM	36	39	18.93	0.078	18.91	0.078	18.99	0.079
15	16QAM	75	0	19.19	0.083	19.18	0.083	19.01	0.080
15	64QAM	1	0	19.86	0.097	19.76	0.095	19.98	0.100
15	64QAM	1	37	19.96	0.099	19.92	0.098	19.83	0.096
15	64QAM	1	74	20.10	0.102	20.07	0.102	19.99	0.100
15	64QAM	36	0	19.06	0.081	19.02	0.080	19.04	0.080
15	64QAM	36	20	18.73	0.075	18.70	0.074	18.77	0.075
15	64QAM	36	39	19.02	0.080	19.00	0.079	18.77	0.075
15	64QAM	75	0	18.76	0.075	18.68	0.074	18.90	0.078



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26840		26915		26990	
Frequency (MHz)				829.0		836.5		844.0	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.07	0.128	21.00	0.126	21.11	0.129
10	QPSK	1	25	20.64	0.116	20.72	0.118	20.74	0.119
10	QPSK	1	49	20.85	0.122	20.93	0.124	20.97	0.125
10	QPSK	25	0	19.64	0.092	19.71	0.094	19.76	0.095
10	QPSK	25	12	19.98	0.100	19.93	0.098	20.00	0.100
10	QPSK	25	25	19.62	0.092	19.62	0.092	19.64	0.092
10	QPSK	50	0	19.65	0.092	19.64	0.092	19.76	0.095
10	16QAM	1	0	19.97	0.099	19.90	0.098	20.01	0.100
10	16QAM	1	25	19.84	0.096	19.80	0.095	19.87	0.097
10	16QAM	1	49	19.90	0.098	19.88	0.097	19.97	0.099
10	16QAM	25	0	19.09	0.081	19.02	0.080	19.10	0.081
10	16QAM	25	12	18.79	0.076	18.74	0.075	18.82	0.076
10	16QAM	25	25	18.78	0.076	18.69	0.074	18.81	0.076
10	16QAM	50	0	18.85	0.077	18.83	0.076	18.86	0.077
10	64QAM	1	0	20.00	0.100	20.06	0.101	20.10	0.102
10	64QAM	1	25	19.65	0.092	19.68	0.093	19.73	0.094
10	64QAM	1	49	19.94	0.099	20.01	0.100	20.04	0.101
10	64QAM	25	0	19.01	0.080	18.91	0.078	19.03	0.080
10	64QAM	25	12	18.91	0.078	19.00	0.079	19.03	0.080
10	64QAM	25	25	18.79	0.076	18.84	0.077	18.89	0.077
10	64QAM	50	0	18.72	0.074	18.68	0.074	18.76	0.075



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26815		26915		27015	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.02	0.126	20.98	0.125	21.03	0.127
5	QPSK	1	12	20.65	0.116	20.68	0.117	20.72	0.118
5	QPSK	1	24	20.67	0.117	20.68	0.117	20.71	0.118
5	QPSK	12	0	19.71	0.094	19.78	0.095	19.83	0.096
5	QPSK	12	7	19.64	0.092	19.54	0.090	19.65	0.092
5	QPSK	12	13	19.67	0.093	19.67	0.093	19.73	0.094
5	QPSK	25	0	19.83	0.096	19.76	0.095	19.86	0.097
5	16QAM	1	0	19.70	0.093	19.63	0.092	19.72	0.094
5	16QAM	1	12	19.85	0.097	19.80	0.095	19.86	0.097
5	16QAM	1	24	19.73	0.094	19.81	0.096	19.82	0.096
5	16QAM	12	0	19.07	0.081	19.11	0.081	19.14	0.082
5	16QAM	12	7	18.92	0.078	18.97	0.079	19.01	0.080
5	16QAM	12	13	18.70	0.074	18.76	0.075	18.82	0.076
5	16QAM	25	0	18.69	0.074	18.76	0.075	18.78	0.076
5	64QAM	1	0	19.98	0.100	20.04	0.101	20.09	0.102
5	64QAM	1	12	19.66	0.092	19.65	0.092	19.74	0.094
5	64QAM	1	24	19.72	0.094	19.72	0.094	19.80	0.095
5	64QAM	12	0	18.84	0.077	18.87	0.077	18.88	0.077
5	64QAM	12	7	18.70	0.074	18.66	0.073	18.78	0.076
5	64QAM	12	13	18.84	0.077	18.92	0.078	18.93	0.078
5	64QAM	25	0	18.57	0.072	18.53	0.071	18.65	0.073



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26805		26915		27025	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.86	0.122	20.85	0.122	20.96	0.125
3	QPSK	1	8	20.97	0.125	20.94	0.124	20.99	0.126
3	QPSK	1	14	20.86	0.122	20.88	0.122	20.94	0.124
3	QPSK	8	0	19.77	0.095	19.80	0.095	19.81	0.096
3	QPSK	8	4	19.63	0.092	19.64	0.092	19.66	0.092
3	QPSK	8	7	19.91	0.098	19.98	0.100	20.01	0.100
3	QPSK	15	0	19.82	0.096	19.85	0.097	19.92	0.098
3	16QAM	1	0	19.88	0.097	19.93	0.098	19.95	0.099
3	16QAM	1	8	19.62	0.092	19.62	0.092	19.73	0.094
3	16QAM	1	14	19.86	0.097	19.88	0.097	19.93	0.098
3	16QAM	8	0	18.79	0.076	18.79	0.076	18.83	0.076
3	16QAM	8	4	18.84	0.077	18.89	0.077	18.91	0.078
3	16QAM	8	7	19.08	0.081	19.06	0.081	19.11	0.081
3	16QAM	15	0	18.92	0.078	18.89	0.077	18.98	0.079
3	64QAM	1	0	19.92	0.098	19.99	0.100	20.00	0.100
3	64QAM	1	8	19.75	0.094	19.79	0.095	19.85	0.097
3	64QAM	1	14	19.87	0.097	19.92	0.098	19.93	0.098
3	64QAM	8	0	19.02	0.080	18.96	0.079	19.04	0.080
3	64QAM	8	4	18.55	0.072	18.58	0.072	18.67	0.074
3	64QAM	8	7	18.61	0.073	18.55	0.072	18.62	0.073
3	64QAM	15	0	18.98	0.079	18.91	0.078	19.03	0.080



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26797		26915		27033	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.69	0.117	20.62	0.115	20.74	0.119
1.4	QPSK	1	3	20.90	0.123	20.86	0.122	20.97	0.125
1.4	QPSK	1	5	20.72	0.118	20.80	0.120	20.81	0.121
1.4	QPSK	3	0	20.02	0.100	20.01	0.100	20.05	0.101
1.4	QPSK	3	1	19.75	0.094	19.69	0.093	19.81	0.096
1.4	QPSK	3	3	19.67	0.093	19.65	0.092	19.77	0.095
1.4	QPSK	6	0	19.90	0.098	19.91	0.098	19.92	0.098
1.4	16QAM	1	0	19.96	0.099	19.90	0.098	19.99	0.100
1.4	16QAM	1	3	19.76	0.095	19.72	0.094	19.84	0.096
1.4	16QAM	1	5	19.84	0.096	19.79	0.095	19.85	0.097
1.4	16QAM	3	0	19.00	0.079	19.04	0.080	19.07	0.081
1.4	16QAM	3	1	18.87	0.077	18.86	0.077	18.92	0.078
1.4	16QAM	3	3	18.97	0.079	18.99	0.079	19.03	0.080
1.4	16QAM	6	0	18.74	0.075	18.74	0.075	18.80	0.076
1.4	64QAM	1	0	19.68	0.093	19.77	0.095	19.80	0.095
1.4	64QAM	1	3	19.89	0.097	19.84	0.096	19.93	0.098
1.4	64QAM	1	5	19.81	0.096	19.85	0.097	19.91	0.098
1.4	64QAM	3	0	18.74	0.075	18.76	0.075	18.86	0.077
1.4	64QAM	3	1	18.80	0.076	18.85	0.077	18.86	0.077
1.4	64QAM	3	3	18.79	0.076	18.79	0.076	18.89	0.077
1.4	64QAM	6	0	18.64	0.073	18.64	0.073	18.72	0.074



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37850		38000		38150	
Frequency (MHz)				2580		2595		2610	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.77	0.300	24.87	0.307	24.81	0.303
20	QPSK	1	49	24.64	0.291	24.77	0.300	24.79	0.301
20	QPSK	1	99	24.67	0.293	24.66	0.292	24.64	0.291
20	QPSK	50	0	23.70	0.234	23.81	0.240	23.68	0.233
20	QPSK	50	24	23.88	0.244	23.66	0.232	23.74	0.237
20	QPSK	50	50	23.92	0.247	23.57	0.228	23.69	0.234
20	QPSK	100	0	23.77	0.238	23.64	0.231	23.55	0.226
20	16QAM	1	0	23.89	0.245	23.82	0.241	23.92	0.247
20	16QAM	1	49	23.90	0.245	23.76	0.238	23.91	0.246
20	16QAM	1	99	23.67	0.233	23.80	0.240	23.53	0.225
20	16QAM	50	0	22.78	0.190	22.84	0.192	22.98	0.199
20	16QAM	50	24	22.59	0.182	22.94	0.197	22.77	0.189
20	16QAM	50	50	22.84	0.192	23.03	0.201	23.00	0.200
20	16QAM	100	0	22.78	0.190	23.06	0.202	22.85	0.193
20	64QAM	1	0	23.77	0.238	23.71	0.235	23.92	0.247
20	64QAM	1	49	23.83	0.242	23.93	0.247	23.64	0.231
20	64QAM	1	99	23.65	0.232	23.84	0.242	23.81	0.240
20	64QAM	50	0	22.72	0.187	22.66	0.185	22.73	0.187
20	64QAM	50	24	22.92	0.196	22.74	0.188	22.72	0.187
20	64QAM	50	50	22.56	0.180	22.65	0.184	22.49	0.177
20	64QAM	100	0	22.75	0.188	22.97	0.198	22.68	0.185



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37825		38000		38175	
Frequency (MHz)				2577.5		2595		2612.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.80	0.302	24.84	0.305	24.78	0.301
15	QPSK	1	37	24.67	0.293	24.80	0.302	24.73	0.297
15	QPSK	1	74	24.61	0.289	24.72	0.296	24.68	0.294
15	QPSK	36	0	23.86	0.243	23.60	0.229	23.57	0.228
15	QPSK	36	20	23.71	0.235	23.72	0.236	23.64	0.231
15	QPSK	36	39	23.85	0.243	23.67	0.233	23.67	0.233
15	QPSK	75	0	23.72	0.236	23.63	0.231	23.71	0.235
15	16QAM	1	0	24.02	0.252	23.72	0.236	23.77	0.238
15	16QAM	1	37	23.86	0.243	23.75	0.237	23.71	0.235
15	16QAM	1	74	23.63	0.231	23.67	0.233	23.85	0.243
15	16QAM	36	0	22.77	0.189	23.02	0.200	22.92	0.196
15	16QAM	36	20	22.63	0.183	22.83	0.192	22.68	0.185
15	16QAM	36	39	22.74	0.188	22.98	0.199	22.77	0.189
15	16QAM	75	0	22.76	0.189	22.74	0.188	22.94	0.197
15	64QAM	1	0	23.88	0.244	24.02	0.252	23.65	0.232
15	64QAM	1	37	23.95	0.248	24.02	0.252	23.91	0.246
15	64QAM	1	74	23.91	0.246	23.84	0.242	23.67	0.233
15	64QAM	36	0	22.76	0.189	22.74	0.188	22.98	0.199
15	64QAM	36	20	22.64	0.184	22.89	0.195	22.82	0.191
15	64QAM	36	39	22.83	0.192	22.56	0.180	22.67	0.185
15	64QAM	75	0	22.87	0.194	22.71	0.187	22.72	0.187



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37800		38000		38200	
Frequency (MHz)				2575		2595		2615	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.79	0.301	24.81	0.303	24.65	0.292
10	QPSK	1	25	24.75	0.299	24.78	0.301	24.68	0.294
10	QPSK	1	49	24.66	0.292	24.64	0.291	24.79	0.301
10	QPSK	25	0	23.68	0.233	23.90	0.245	23.73	0.236
10	QPSK	25	12	23.72	0.236	23.87	0.244	23.70	0.234
10	QPSK	25	25	23.79	0.239	23.74	0.237	23.76	0.238
10	QPSK	50	0	23.60	0.229	23.63	0.231	23.60	0.229
10	16QAM	1	0	23.76	0.238	23.82	0.241	23.68	0.233
10	16QAM	1	25	23.65	0.232	23.77	0.238	23.75	0.237
10	16QAM	1	49	23.71	0.235	23.79	0.239	23.91	0.246
10	16QAM	25	0	22.89	0.195	23.11	0.205	22.97	0.198
10	16QAM	25	12	22.77	0.189	22.76	0.189	22.81	0.191
10	16QAM	25	25	23.02	0.200	22.80	0.191	22.98	0.199
10	16QAM	50	0	22.89	0.195	22.92	0.196	22.80	0.191
10	64QAM	1	0	23.76	0.238	23.97	0.249	23.92	0.247
10	64QAM	1	25	23.66	0.232	23.82	0.241	23.80	0.240
10	64QAM	1	49	23.76	0.238	23.70	0.234	23.94	0.248
10	64QAM	25	0	22.74	0.188	22.66	0.185	22.90	0.195
10	64QAM	25	12	22.70	0.186	22.57	0.181	22.91	0.195
10	64QAM	25	25	22.60	0.182	22.72	0.187	22.84	0.192
10	64QAM	50	0	22.70	0.186	22.93	0.196	22.86	0.193



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37775		38000		38225	
Frequency (MHz)				2572.5		2595		2617.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.75	0.299	24.83	0.304	24.79	0.301
5	QPSK	1	12	24.83	0.304	24.78	0.301	24.53	0.284
5	QPSK	1	24	24.73	0.297	24.79	0.301	24.64	0.291
5	QPSK	12	0	23.90	0.245	23.96	0.249	23.94	0.248
5	QPSK	12	7	23.91	0.246	23.82	0.241	23.72	0.236
5	QPSK	12	13	23.61	0.230	23.73	0.236	23.90	0.245
5	QPSK	25	0	23.77	0.238	23.88	0.244	23.65	0.232
5	16QAM	1	0	23.83	0.242	23.73	0.236	23.93	0.247
5	16QAM	1	12	23.87	0.244	23.73	0.236	23.83	0.242
5	16QAM	1	24	23.99	0.251	23.70	0.234	23.73	0.236
5	16QAM	12	0	22.97	0.198	22.87	0.194	22.81	0.191
5	16QAM	12	7	22.71	0.187	22.95	0.197	22.79	0.190
5	16QAM	12	13	22.84	0.192	22.87	0.194	23.00	0.200
5	16QAM	25	0	22.94	0.197	22.95	0.197	22.82	0.191
5	64QAM	1	0	23.88	0.244	24.06	0.255	23.77	0.238
5	64QAM	1	12	24.00	0.251	23.75	0.237	23.96	0.249
5	64QAM	1	24	23.75	0.237	23.87	0.244	23.60	0.229
5	64QAM	12	0	22.76	0.189	22.84	0.192	22.76	0.189
5	64QAM	12	7	22.63	0.183	22.88	0.194	22.76	0.189
5	64QAM	12	13	22.73	0.187	22.89	0.195	22.73	0.187
5	64QAM	25	0	22.81	0.191	22.81	0.191	22.74	0.188



LTE Band 41				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	25.62	0.365	26.04	0.402	25.56	0.360
20	QPSK	1	49	25.66	0.368	25.79	0.379	25.72	0.373
20	QPSK	1	99	25.67	0.369	25.80	0.380	25.73	0.374
20	QPSK	50	0	24.62	0.290	24.71	0.296	24.72	0.296
20	QPSK	50	24	24.65	0.292	24.75	0.299	24.75	0.299
20	QPSK	50	50	24.88	0.308	24.99	0.316	24.67	0.293
20	QPSK	100	0	24.74	0.298	24.66	0.292	24.83	0.304
20	16QAM	1	0	24.81	0.303	25.18	0.330	24.63	0.290
20	16QAM	1	49	24.79	0.301	24.75	0.299	24.88	0.308
20	16QAM	1	99	24.65	0.292	25.06	0.321	24.65	0.292
20	16QAM	50	0	23.95	0.248	23.87	0.244	23.96	0.249
20	16QAM	50	24	24.03	0.253	23.91	0.246	24.03	0.253
20	16QAM	50	50	23.86	0.243	23.89	0.245	23.86	0.243
20	16QAM	100	0	23.85	0.243	23.97	0.249	23.96	0.249
20	64QAM	1	0	25.00	0.316	24.96	0.313	24.76	0.299
20	64QAM	1	49	24.76	0.299	24.90	0.309	24.68	0.294
20	64QAM	1	99	24.86	0.306	24.66	0.292	24.68	0.294
20	64QAM	50	0	23.95	0.248	23.73	0.236	23.81	0.240
20	64QAM	50	24	23.82	0.241	24.04	0.254	23.94	0.248
20	64QAM	50	50	23.69	0.234	23.72	0.236	23.59	0.229
20	64QAM	100	0	23.63	0.231	24.05	0.254	23.67	0.233



LTE Band 41				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	25.56	0.360	25.79	0.379	25.37	0.344
15	QPSK	1	37	25.57	0.361	25.92	0.391	25.65	0.367
15	QPSK	1	74	25.68	0.370	25.89	0.388	25.84	0.384
15	QPSK	36	0	24.49	0.281	24.66	0.292	24.92	0.310
15	QPSK	36	20	24.83	0.304	24.64	0.291	24.69	0.294
15	QPSK	36	39	24.69	0.294	24.88	0.308	24.53	0.284
15	QPSK	75	0	24.67	0.293	24.75	0.299	25.03	0.318
15	16QAM	1	0	24.71	0.296	25.35	0.343	24.63	0.290
15	16QAM	1	37	24.95	0.313	24.70	0.295	24.82	0.303
15	16QAM	1	74	24.50	0.282	25.09	0.323	24.85	0.305
15	16QAM	36	0	23.92	0.247	23.97	0.249	23.99	0.251
15	16QAM	36	20	24.18	0.262	23.93	0.247	23.91	0.246
15	16QAM	36	39	23.83	0.242	24.08	0.256	23.95	0.248
15	16QAM	75	0	23.86	0.243	23.96	0.249	24.05	0.254
15	64QAM	1	0	24.93	0.311	25.06	0.321	24.77	0.300
15	64QAM	1	37	24.88	0.308	25.04	0.319	24.63	0.290
15	64QAM	1	74	24.99	0.316	24.86	0.306	24.68	0.294
15	64QAM	36	0	24.02	0.252	23.86	0.243	23.96	0.249
15	64QAM	36	20	23.86	0.243	24.21	0.264	24.04	0.254
15	64QAM	36	39	23.62	0.230	23.73	0.236	23.49	0.223
15	64QAM	75	0	23.59	0.229	23.80	0.240	23.65	0.232



LTE Band 41				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	25.81	0.381	25.94	0.393	25.56	0.360
10	QPSK	1	25	25.47	0.352	25.62	0.365	25.90	0.389
10	QPSK	1	49	25.69	0.371	25.65	0.367	25.70	0.372
10	QPSK	25	0	24.77	0.300	24.61	0.289	24.54	0.284
10	QPSK	25	12	24.61	0.289	24.84	0.305	24.87	0.307
10	QPSK	25	25	24.94	0.312	25.05	0.320	24.58	0.287
10	QPSK	50	0	24.80	0.302	24.72	0.296	24.65	0.292
10	16QAM	1	0	24.78	0.301	25.31	0.340	24.70	0.295
10	16QAM	1	25	24.73	0.297	24.85	0.305	24.95	0.313
10	16QAM	1	49	24.82	0.303	24.92	0.310	24.52	0.283
10	16QAM	25	0	23.87	0.244	23.83	0.242	23.88	0.244
10	16QAM	25	12	23.88	0.244	24.08	0.256	23.93	0.247
10	16QAM	25	25	23.85	0.243	23.85	0.243	23.75	0.237
10	16QAM	50	0	24.04	0.254	24.01	0.252	23.99	0.251
10	64QAM	1	0	24.68	0.294	25.29	0.338	24.53	0.284
10	64QAM	1	25	24.98	0.315	24.57	0.286	24.84	0.305
10	64QAM	1	49	24.53	0.284	25.24	0.334	24.48	0.281
10	64QAM	25	0	23.62	0.230	23.84	0.242	23.78	0.239
10	64QAM	25	12	23.84	0.242	23.95	0.248	23.96	0.249
10	64QAM	25	25	23.92	0.247	23.94	0.248	23.92	0.247
10	64QAM	50	0	23.96	0.249	23.87	0.244	23.86	0.243



LTE Band 41				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	25.81	0.381	25.93	0.392	25.55	0.359
5	QPSK	1	12	25.75	0.376	25.66	0.368	25.65	0.367
5	QPSK	1	24	25.77	0.378	25.95	0.394	25.62	0.365
5	QPSK	12	0	24.42	0.277	24.55	0.285	24.57	0.286
5	QPSK	12	7	24.75	0.299	24.82	0.303	24.77	0.300
5	QPSK	12	13	24.85	0.305	24.97	0.314	24.55	0.285
5	QPSK	25	0	24.71	0.296	24.67	0.293	24.71	0.296
5	16QAM	1	0	24.68	0.294	25.29	0.338	24.53	0.284
5	16QAM	1	12	24.98	0.315	24.57	0.286	24.84	0.305
5	16QAM	1	24	24.53	0.284	25.24	0.334	24.48	0.281
5	16QAM	12	0	24.07	0.255	23.84	0.242	23.78	0.239
5	16QAM	12	7	23.84	0.242	23.95	0.248	23.96	0.249
5	16QAM	12	13	23.92	0.247	23.94	0.248	23.92	0.247
5	16QAM	25	0	23.96	0.249	24.17	0.261	23.86	0.243
5	64QAM	1	0	25.13	0.326	25.06	0.321	24.92	0.310
5	64QAM	1	12	24.68	0.294	24.87	0.307	24.84	0.305
5	64QAM	1	24	24.79	0.301	24.46	0.279	24.83	0.304
5	64QAM	12	0	23.86	0.243	23.59	0.229	23.76	0.238
5	64QAM	12	7	23.96	0.249	23.84	0.242	23.82	0.241
5	64QAM	12	13	23.79	0.239	23.71	0.235	23.43	0.220
5	64QAM	25	0	23.62	0.230	23.78	0.239	23.66	0.232



LTE Band 42				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				42190		42590		42990	
Frequency (MHz)				3460		3500		3540	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.52	0.283	24.65	0.292	24.47	0.280
20	QPSK	1	49	24.42	0.277	24.44	0.278	24.59	0.288
20	QPSK	1	99	24.20	0.263	24.15	0.260	24.48	0.281
20	QPSK	50	0	23.49	0.223	23.65	0.232	23.57	0.228
20	QPSK	50	24	23.48	0.223	23.64	0.231	23.51	0.224
20	QPSK	50	50	23.48	0.223	23.47	0.222	23.62	0.230
20	QPSK	100	0	23.19	0.208	23.53	0.225	23.22	0.210
20	16QAM	1	0	23.51	0.224	23.53	0.225	23.61	0.230
20	16QAM	1	49	23.43	0.220	23.43	0.220	23.69	0.234
20	16QAM	1	99	23.61	0.230	23.39	0.218	23.34	0.216
20	16QAM	50	0	22.34	0.171	22.50	0.178	22.54	0.179
20	16QAM	50	24	22.57	0.181	22.62	0.183	22.30	0.170
20	16QAM	50	50	22.51	0.178	22.34	0.171	22.39	0.173
20	16QAM	100	0	22.56	0.180	22.25	0.168	22.39	0.173
20	64QAM	1	0	23.46	0.222	23.50	0.224	23.48	0.223
20	64QAM	1	49	23.32	0.215	23.38	0.218	23.42	0.220
20	64QAM	1	99	23.62	0.230	23.30	0.214	23.04	0.201
20	64QAM	50	0	22.69	0.186	22.21	0.166	22.48	0.177
20	64QAM	50	24	22.71	0.187	22.30	0.170	22.51	0.178
20	64QAM	50	50	22.40	0.174	22.29	0.169	22.18	0.165
20	64QAM	100	0	22.68	0.185	22.18	0.165	22.34	0.171



LTE Band 42				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				42165		42590		43015	
Frequency (MHz)				3457.5		3500		3542.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.32	0.270	24.60	0.288	24.47	0.280
15	QPSK	1	37	24.27	0.267	24.33	0.271	24.36	0.273
15	QPSK	1	74	24.43	0.277	24.41	0.276	24.45	0.279
15	QPSK	36	0	23.38	0.218	23.79	0.239	23.68	0.233
15	QPSK	36	20	23.28	0.213	23.36	0.217	23.26	0.212
15	QPSK	36	39	23.43	0.220	23.57	0.228	23.42	0.220
15	QPSK	75	0	23.51	0.224	23.58	0.228	23.35	0.216
15	16QAM	1	0	23.53	0.225	23.47	0.222	23.58	0.228
15	16QAM	1	37	23.31	0.214	23.45	0.221	23.75	0.237
15	16QAM	1	74	23.41	0.219	23.62	0.230	23.14	0.206
15	16QAM	36	0	22.28	0.169	22.66	0.185	22.56	0.180
15	16QAM	36	20	22.53	0.179	22.34	0.171	22.58	0.181
15	16QAM	36	39	22.48	0.177	22.46	0.176	22.73	0.187
15	16QAM	75	0	22.28	0.169	22.25	0.168	22.20	0.166
15	64QAM	1	0	23.39	0.218	23.59	0.229	23.43	0.220
15	64QAM	1	37	23.27	0.212	23.21	0.209	23.47	0.222
15	64QAM	1	74	23.42	0.220	23.43	0.220	23.20	0.209
15	64QAM	36	0	22.83	0.192	22.19	0.166	22.47	0.177
15	64QAM	36	20	22.72	0.187	22.45	0.176	22.35	0.172
15	64QAM	36	39	22.31	0.170	22.09	0.162	22.30	0.170
15	64QAM	75	0	22.32	0.171	22.32	0.171	22.39	0.173



LTE Band 42				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				42140		42590		43040	
Frequency (MHz)				3455		3500		3545	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.28	0.268	24.54	0.284	24.51	0.282
10	QPSK	1	25	24.20	0.263	24.35	0.272	24.26	0.267
10	QPSK	1	49	24.42	0.277	24.18	0.262	24.32	0.270
10	QPSK	25	0	23.57	0.228	23.64	0.231	23.49	0.223
10	QPSK	25	12	23.33	0.215	23.47	0.222	23.51	0.224
10	QPSK	25	25	23.59	0.229	23.48	0.223	23.35	0.216
10	QPSK	50	0	23.37	0.217	23.59	0.229	23.16	0.207
10	16QAM	1	0	23.79	0.239	23.47	0.222	23.41	0.219
10	16QAM	1	25	23.43	0.220	23.34	0.216	23.39	0.218
10	16QAM	1	49	23.41	0.219	23.47	0.222	23.17	0.207
10	16QAM	25	0	22.44	0.175	22.70	0.186	22.61	0.182
10	16QAM	25	12	22.51	0.178	22.72	0.187	22.32	0.171
10	16QAM	25	25	22.28	0.169	22.19	0.166	22.68	0.185
10	16QAM	50	0	22.48	0.177	22.53	0.179	22.46	0.176
10	64QAM	1	0	23.62	0.230	23.60	0.229	23.32	0.215
10	64QAM	1	25	23.40	0.219	23.38	0.218	23.18	0.208
10	64QAM	1	49	23.47	0.222	23.33	0.215	23.08	0.203
10	64QAM	25	0	22.51	0.178	22.40	0.174	22.42	0.175
10	64QAM	25	12	22.51	0.178	22.50	0.178	22.54	0.179
10	64QAM	25	25	22.46	0.176	22.05	0.160	22.22	0.167
10	64QAM	50	0	22.61	0.182	22.20	0.166	22.33	0.171



LTE Band 42				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				42115		42590		43065	
Frequency (MHz)				3452.5		3500		3547.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.49	0.281	24.59	0.288	24.49	0.281
5	QPSK	1	12	24.21	0.264	24.33	0.271	24.35	0.272
5	QPSK	1	24	24.27	0.267	24.25	0.266	24.41	0.276
5	QPSK	12	0	23.71	0.235	23.58	0.228	23.58	0.228
5	QPSK	12	7	23.22	0.210	23.42	0.220	23.62	0.230
5	QPSK	12	13	23.66	0.232	23.39	0.218	23.30	0.214
5	QPSK	25	0	23.20	0.209	23.31	0.214	23.12	0.205
5	16QAM	1	0	23.75	0.237	23.71	0.235	23.42	0.220
5	16QAM	1	12	23.11	0.205	23.35	0.216	23.76	0.238
5	16QAM	1	24	23.63	0.231	23.40	0.219	23.47	0.222
5	16QAM	12	0	22.35	0.172	22.39	0.173	22.29	0.169
5	16QAM	12	7	22.43	0.175	22.42	0.175	22.29	0.169
5	16QAM	12	13	22.39	0.173	22.47	0.177	22.43	0.175
5	16QAM	25	0	22.33	0.171	22.38	0.173	22.52	0.179
5	64QAM	1	0	23.36	0.217	23.78	0.239	23.28	0.213
5	64QAM	1	12	23.60	0.229	23.17	0.207	23.44	0.221
5	64QAM	1	24	23.32	0.215	23.59	0.229	23.37	0.217
5	64QAM	12	0	22.77	0.189	22.37	0.173	22.20	0.166
5	64QAM	12	7	22.69	0.186	22.60	0.182	22.39	0.173
5	64QAM	12	13	22.69	0.186	22.43	0.175	22.20	0.166
5	64QAM	25	0	22.56	0.180	22.18	0.165	22.20	0.166



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	24.98	0.315	25.05	0.320	24.95	0.313
20	QPSK	1	49	24.93	0.311	24.74	0.298	24.70	0.295
20	QPSK	1	99	24.66	0.292	24.91	0.310	24.71	0.296
20	QPSK	50	0	23.96	0.249	23.97	0.249	23.87	0.244
20	QPSK	50	24	23.71	0.235	23.93	0.247	23.97	0.249
20	QPSK	50	50	23.88	0.244	23.76	0.238	23.78	0.239
20	QPSK	100	0	23.84	0.242	23.84	0.242	23.73	0.236
20	16QAM	1	0	24.05	0.254	23.97	0.249	23.92	0.247
20	16QAM	1	49	23.74	0.237	23.86	0.243	23.84	0.242
20	16QAM	1	99	23.83	0.242	23.89	0.245	23.58	0.228
20	16QAM	50	0	22.94	0.197	23.09	0.204	23.01	0.200
20	16QAM	50	24	22.78	0.190	22.80	0.191	22.96	0.198
20	16QAM	50	50	22.95	0.197	22.94	0.197	22.69	0.186
20	16QAM	100	0	22.78	0.190	22.82	0.191	23.08	0.203
20	64QAM	1	0	23.64	0.231	23.94	0.248	24.08	0.256
20	64QAM	1	49	23.73	0.236	23.81	0.240	23.64	0.231
20	64QAM	1	99	23.80	0.240	24.03	0.253	23.65	0.232
20	64QAM	50	0	22.75	0.188	22.72	0.187	22.82	0.191
20	64QAM	50	24	22.72	0.187	22.85	0.193	22.97	0.198
20	64QAM	50	50	22.70	0.186	22.84	0.192	22.56	0.180
20	64QAM	100	0	22.76	0.189	23.06	0.202	22.76	0.189



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	24.75	0.299	24.92	0.310	24.72	0.296
15	QPSK	1	37	24.91	0.310	24.72	0.296	24.86	0.306
15	QPSK	1	74	24.72	0.296	24.86	0.306	24.59	0.288
15	QPSK	36	0	23.99	0.251	23.91	0.246	23.89	0.245
15	QPSK	36	20	23.98	0.250	23.90	0.245	23.73	0.236
15	QPSK	36	39	23.84	0.242	23.61	0.230	23.62	0.230
15	QPSK	75	0	23.94	0.248	23.64	0.231	23.80	0.240
15	16QAM	1	0	23.71	0.235	23.80	0.240	24.00	0.251
15	16QAM	1	37	23.85	0.243	24.02	0.252	23.64	0.231
15	16QAM	1	74	23.71	0.235	24.08	0.256	23.69	0.234
15	16QAM	36	0	22.80	0.191	22.82	0.191	22.85	0.193
15	16QAM	36	20	22.67	0.185	22.82	0.191	22.72	0.187
15	16QAM	36	39	22.84	0.192	23.00	0.200	22.84	0.192
15	16QAM	75	0	23.05	0.202	22.97	0.198	23.04	0.201
15	64QAM	1	0	23.69	0.234	24.09	0.256	23.84	0.242
15	64QAM	1	37	23.86	0.243	24.05	0.254	23.81	0.240
15	64QAM	1	74	23.73	0.236	23.90	0.245	23.74	0.237
15	64QAM	36	0	22.85	0.193	22.68	0.185	22.88	0.194
15	64QAM	36	20	22.65	0.184	23.00	0.200	22.75	0.188
15	64QAM	36	39	22.82	0.191	22.86	0.193	22.66	0.185
15	64QAM	75	0	22.64	0.184	22.88	0.194	22.76	0.189



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	24.72	0.296	24.91	0.310	24.90	0.309
10	QPSK	1	25	24.87	0.307	24.86	0.306	24.73	0.297
10	QPSK	1	49	24.68	0.294	24.61	0.289	24.84	0.305
10	QPSK	25	0	23.92	0.247	23.84	0.242	23.73	0.236
10	QPSK	25	12	23.68	0.233	23.98	0.250	23.67	0.233
10	QPSK	25	25	23.99	0.251	23.87	0.244	23.90	0.245
10	QPSK	50	0	23.78	0.239	23.69	0.234	23.79	0.239
10	16QAM	1	0	23.97	0.249	24.07	0.255	23.83	0.242
10	16QAM	1	25	23.97	0.249	23.86	0.243	23.81	0.240
10	16QAM	1	49	23.91	0.246	23.94	0.248	23.95	0.248
10	16QAM	25	0	22.73	0.187	23.06	0.202	22.89	0.195
10	16QAM	25	12	22.62	0.183	22.95	0.197	22.82	0.191
10	16QAM	25	25	23.00	0.200	22.74	0.188	22.98	0.199
10	16QAM	50	0	23.00	0.200	22.81	0.191	22.90	0.195
10	64QAM	1	0	23.86	0.243	24.05	0.254	24.00	0.251
10	64QAM	1	25	24.03	0.253	24.02	0.252	23.74	0.237
10	64QAM	1	49	23.74	0.237	23.85	0.243	23.74	0.237
10	64QAM	25	0	23.00	0.200	22.78	0.190	23.01	0.200
10	64QAM	25	12	22.96	0.198	22.68	0.185	22.77	0.189
10	64QAM	25	25	22.64	0.184	22.98	0.199	22.85	0.193
10	64QAM	50	0	22.69	0.186	22.76	0.189	22.74	0.188



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	24.83	0.304	24.85	0.305	24.71	0.296
5	QPSK	1	12	24.80	0.302	24.83	0.304	24.78	0.301
5	QPSK	1	24	24.73	0.297	24.74	0.298	24.55	0.285
5	QPSK	12	0	23.73	0.236	24.06	0.255	23.99	0.251
5	QPSK	12	7	23.95	0.248	23.97	0.249	23.72	0.236
5	QPSK	12	13	23.77	0.238	23.81	0.240	23.76	0.238
5	QPSK	25	0	23.62	0.230	23.82	0.241	23.61	0.230
5	16QAM	1	0	23.94	0.248	23.83	0.242	23.63	0.231
5	16QAM	1	12	23.95	0.248	23.72	0.236	23.95	0.248
5	16QAM	1	24	24.01	0.252	23.95	0.248	23.72	0.236
5	16QAM	12	0	22.74	0.188	23.12	0.205	23.10	0.204
5	16QAM	12	7	22.76	0.189	22.89	0.195	22.67	0.185
5	16QAM	12	13	22.81	0.191	22.98	0.199	23.02	0.200
5	16QAM	25	0	22.71	0.187	23.03	0.201	22.93	0.196
5	64QAM	1	0	23.74	0.237	24.09	0.256	23.98	0.250
5	64QAM	1	12	23.92	0.247	23.80	0.240	24.03	0.253
5	64QAM	1	24	23.88	0.244	23.84	0.242	23.99	0.251
5	64QAM	12	0	22.75	0.188	23.03	0.201	23.12	0.205
5	64QAM	12	7	22.85	0.193	22.87	0.194	22.79	0.190
5	64QAM	12	13	22.67	0.185	22.95	0.197	22.88	0.194
5	64QAM	25	0	22.61	0.182	23.07	0.203	22.65	0.184



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	24.68	0.294	24.92	0.310	24.91	0.310
3	QPSK	1	8	24.69	0.294	24.89	0.308	24.55	0.285
3	QPSK	1	14	24.70	0.295	24.93	0.311	24.86	0.306
3	QPSK	8	0	23.63	0.231	23.82	0.241	23.94	0.248
3	QPSK	8	4	23.87	0.244	23.81	0.240	23.86	0.243
3	QPSK	8	7	23.82	0.241	23.82	0.241	23.61	0.230
3	QPSK	15	0	23.90	0.245	23.77	0.238	23.91	0.246
3	16QAM	1	0	24.03	0.253	24.00	0.251	23.76	0.238
3	16QAM	1	8	23.64	0.231	23.82	0.241	23.77	0.238
3	16QAM	1	14	23.86	0.243	24.00	0.251	23.70	0.234
3	16QAM	8	0	22.88	0.194	23.20	0.209	22.82	0.191
3	16QAM	8	4	22.85	0.193	23.04	0.201	22.89	0.195
3	16QAM	8	7	23.12	0.205	22.87	0.194	22.96	0.198
3	16QAM	15	0	23.02	0.200	23.06	0.202	22.95	0.197
3	64QAM	1	0	23.90	0.245	24.14	0.259	23.81	0.240
3	64QAM	1	8	23.76	0.238	23.95	0.248	23.92	0.247
3	64QAM	1	14	23.68	0.233	23.86	0.243	23.77	0.238
3	64QAM	8	0	22.91	0.195	22.79	0.190	22.83	0.192
3	64QAM	8	4	22.60	0.182	22.82	0.191	22.60	0.182
3	64QAM	8	7	22.72	0.187	22.87	0.194	22.55	0.180
3	64QAM	15	0	22.66	0.185	22.94	0.197	22.95	0.197



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	24.71	0.296	24.87	0.307	24.75	0.299
1.4	QPSK	1	3	24.70	0.295	24.76	0.299	24.92	0.310
1.4	QPSK	1	5	24.81	0.303	24.88	0.308	24.57	0.286
1.4	QPSK	3	0	23.92	0.247	23.97	0.249	23.91	0.246
1.4	QPSK	3	1	23.81	0.240	23.81	0.240	23.99	0.251
1.4	QPSK	3	3	23.82	0.241	23.90	0.245	23.96	0.249
1.4	QPSK	6	0	23.93	0.247	23.91	0.246	23.87	0.244
1.4	16QAM	1	0	24.08	0.256	23.84	0.242	23.82	0.241
1.4	16QAM	1	3	23.78	0.239	23.82	0.241	23.85	0.243
1.4	16QAM	1	5	23.83	0.242	23.78	0.239	23.81	0.240
1.4	16QAM	3	0	22.96	0.198	22.82	0.191	23.00	0.200
1.4	16QAM	3	1	22.86	0.193	22.81	0.191	23.02	0.200
1.4	16QAM	3	3	22.85	0.193	22.86	0.193	23.01	0.200
1.4	16QAM	6	0	22.92	0.196	22.90	0.195	22.95	0.197
1.4	64QAM	1	0	23.91	0.246	23.91	0.246	23.68	0.233
1.4	64QAM	1	3	23.81	0.240	24.08	0.256	23.66	0.232
1.4	64QAM	1	5	24.03	0.253	23.78	0.239	23.83	0.242
1.4	64QAM	3	0	22.92	0.196	22.90	0.195	22.89	0.195
1.4	64QAM	3	1	22.86	0.193	22.85	0.193	22.88	0.194
1.4	64QAM	3	3	22.91	0.195	22.79	0.190	22.77	0.189
1.4	64QAM	6	0	22.85	0.193	22.99	0.199	22.87	0.194



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133222		133322		133372	
Frequency (MHz)				673		683		688	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	17.72	0.059	17.93	0.062	17.78	0.060
20	QPSK	1	49	17.58	0.057	17.75	0.060	17.72	0.059
20	QPSK	1	99	17.91	0.062	17.72	0.059	17.64	0.058
20	QPSK	50	0	16.78	0.048	16.64	0.046	16.58	0.045
20	QPSK	50	24	16.75	0.047	16.55	0.045	16.77	0.048
20	QPSK	50	50	16.70	0.047	16.69	0.047	16.83	0.048
20	QPSK	100	0	16.80	0.048	16.80	0.048	16.46	0.044
20	16QAM	1	0	16.61	0.046	16.92	0.049	16.52	0.045
20	16QAM	1	49	16.76	0.047	16.72	0.047	16.90	0.049
20	16QAM	1	99	16.67	0.046	16.77	0.048	16.82	0.048
20	16QAM	50	0	15.74	0.037	16.02	0.040	15.85	0.038
20	16QAM	50	24	15.79	0.038	15.75	0.038	15.79	0.038
20	16QAM	50	50	15.86	0.039	16.04	0.040	15.90	0.039
20	16QAM	100	0	15.61	0.036	16.05	0.040	15.61	0.036
20	64QAM	1	0	16.83	0.048	16.96	0.050	16.72	0.047
20	64QAM	1	49	16.77	0.048	16.72	0.047	16.59	0.046
20	64QAM	1	99	16.81	0.048	16.55	0.045	16.73	0.047
20	64QAM	50	0	15.74	0.037	15.68	0.037	15.67	0.037
20	64QAM	50	24	15.73	0.037	15.76	0.038	15.54	0.036
20	64QAM	50	50	15.53	0.036	15.50	0.035	15.83	0.038
20	64QAM	100	0	15.61	0.036	15.88	0.039	15.65	0.037



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	17.69	0.059	17.46	0.056	17.66	0.058
15	QPSK	1	37	17.69	0.059	17.69	0.059	17.58	0.057
15	QPSK	1	74	17.42	0.055	17.29	0.054	17.64	0.058
15	QPSK	36	0	16.45	0.044	16.68	0.047	16.71	0.047
15	QPSK	36	20	16.44	0.044	16.69	0.047	16.35	0.043
15	QPSK	36	39	16.48	0.044	16.66	0.046	16.64	0.046
15	QPSK	75	0	16.57	0.045	16.60	0.046	16.47	0.044
15	16QAM	1	0	16.73	0.047	16.56	0.045	16.55	0.045
15	16QAM	1	37	16.39	0.044	16.61	0.046	16.39	0.044
15	16QAM	1	74	16.65	0.046	16.70	0.047	16.39	0.044
15	16QAM	36	0	15.75	0.038	15.75	0.038	15.49	0.035
15	16QAM	36	20	15.63	0.037	15.68	0.037	15.56	0.036
15	16QAM	36	39	15.85	0.038	15.78	0.038	15.55	0.036
15	16QAM	75	0	15.60	0.036	15.54	0.036	15.51	0.036
15	64QAM	1	0	16.70	0.047	16.62	0.046	16.55	0.045
15	64QAM	1	37	16.59	0.046	16.55	0.045	16.35	0.043
15	64QAM	1	74	16.69	0.047	16.53	0.045	16.53	0.045
15	64QAM	36	0	15.54	0.036	15.55	0.036	15.62	0.036
15	64QAM	36	20	15.35	0.034	15.35	0.034	15.30	0.034
15	64QAM	36	39	15.57	0.036	15.31	0.034	15.37	0.034
15	64QAM	75	0	15.68	0.037	15.54	0.036	15.59	0.036



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133172		133297		133422	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	17.75	0.060	17.78	0.060	17.72	0.059
10	QPSK	1	25	17.71	0.059	17.35	0.054	17.49	0.056
10	QPSK	1	49	17.58	0.057	17.43	0.055	17.56	0.057
10	QPSK	25	0	16.41	0.044	16.51	0.045	16.53	0.045
10	QPSK	25	12	16.50	0.045	16.61	0.046	16.34	0.043
10	QPSK	25	25	16.45	0.044	16.54	0.045	16.65	0.046
10	QPSK	50	0	16.55	0.045	16.61	0.046	16.54	0.045
10	16QAM	1	0	16.68	0.047	16.65	0.046	16.40	0.044
10	16QAM	1	25	16.44	0.044	16.45	0.044	16.36	0.043
10	16QAM	1	49	16.65	0.046	16.82	0.048	16.55	0.045
10	16QAM	25	0	15.62	0.036	15.75	0.038	15.54	0.036
10	16QAM	25	12	15.43	0.035	15.62	0.036	15.52	0.036
10	16QAM	25	25	15.67	0.037	15.60	0.036	15.57	0.036
10	16QAM	50	0	15.70	0.037	15.84	0.038	15.57	0.036
10	64QAM	1	0	16.66	0.046	16.83	0.048	16.61	0.046
10	64QAM	1	25	16.44	0.044	16.61	0.046	16.36	0.043
10	64QAM	1	49	16.78	0.048	16.41	0.044	16.55	0.045
10	64QAM	25	0	15.44	0.035	15.59	0.036	15.68	0.037
10	64QAM	25	12	15.52	0.036	15.70	0.037	15.54	0.036
10	64QAM	25	25	15.33	0.034	15.39	0.035	15.62	0.036
10	64QAM	50	0	15.52	0.036	15.79	0.038	15.44	0.035



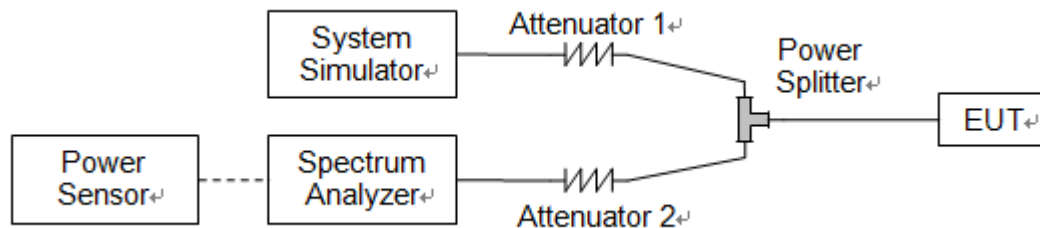
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	17.68	0.059	17.81	0.060	17.66	0.058
5	QPSK	1	12	17.46	0.056	17.64	0.058	17.65	0.058
5	QPSK	1	24	17.47	0.056	17.63	0.058	17.57	0.057
5	QPSK	12	0	16.33	0.043	16.41	0.044	16.50	0.045
5	QPSK	12	7	16.69	0.047	16.35	0.043	16.35	0.043
5	QPSK	12	13	16.75	0.047	16.67	0.046	16.41	0.044
5	QPSK	25	0	16.39	0.044	16.58	0.045	16.38	0.043
5	16QAM	1	0	16.57	0.045	16.49	0.045	16.57	0.045
5	16QAM	1	12	16.29	0.043	16.69	0.047	16.58	0.045
5	16QAM	1	24	16.65	0.046	16.62	0.046	16.44	0.044
5	16QAM	12	0	15.68	0.037	15.79	0.038	15.79	0.038
5	16QAM	12	7	15.58	0.036	15.77	0.038	15.57	0.036
5	16QAM	12	13	15.84	0.038	15.82	0.038	15.61	0.036
5	16QAM	25	0	15.77	0.038	15.73	0.037	15.75	0.038
5	64QAM	1	0	16.60	0.046	16.51	0.045	16.70	0.047
5	64QAM	1	12	16.59	0.046	16.57	0.045	16.71	0.047
5	64QAM	1	24	16.47	0.044	16.51	0.045	16.57	0.045
5	64QAM	12	0	15.73	0.037	15.44	0.035	15.77	0.038
5	64QAM	12	7	15.53	0.036	15.69	0.037	15.35	0.034
5	64QAM	12	13	15.64	0.037	15.33	0.034	15.49	0.035
5	64QAM	25	0	15.68	0.037	15.45	0.035	15.54	0.036

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 50 Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.2.3. Test Procedure

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

2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.10	1.23
	Low	64QAM	1.09	1.23
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.09	1.24
	Mid	64QAM	1.10	1.23
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.09	1.23
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	2.99
	Low	64QAM	2.70	2.98
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.70	3.01
	Mid	64QAM	2.70	2.99
	High	QPSK	2.70	3.00
	High	16QAM	2.71	2.98
	High	64QAM	2.70	2.98
5	Low	QPSK	4.50	4.99
	Low	16QAM	4.51	4.97
	Low	64QAM	4.51	4.99
	Mid	QPSK	4.51	5.01
	Mid	16QAM	4.51	4.96
	Mid	64QAM	4.51	5.00
	High	QPSK	4.50	5.00
	High	16QAM	4.50	4.96
	High	64QAM	4.52	4.95
10	Low	QPSK	8.99	9.81
	Low	16QAM	8.96	9.76
	Low	64QAM	8.98	9.82
	Mid	QPSK	9.00	9.82
	Mid	16QAM	8.97	9.76
	Mid	64QAM	8.98	9.82
	High	QPSK	8.97	9.74
	High	16QAM	8.94	9.73
	High	64QAM	8.95	9.79



15	Low	QPSK	13.50	14.65
	Low	16QAM	13.45	14.58
	Low	64QAM	13.45	14.55
	Mid	QPSK	13.46	14.61
	Mid	16QAM	13.43	14.75
	Mid	64QAM	13.43	14.69
	High	QPSK	13.43	14.61
	High	16QAM	13.43	14.62
	High	64QAM	13.41	14.67
20	Low	QPSK	17.96	19.53
	Low	16QAM	18.01	19.51
	Low	64QAM	17.98	19.48
	Mid	QPSK	17.89	19.45
	Mid	16QAM	17.91	19.46
	Mid	64QAM	17.92	19.54
	High	QPSK	17.93	19.44
	High	16QAM	17.93	19.46
	High	64QAM	17.93	19.54



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.09	1.23
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.10	1.23
	High	QPSK	1.10	1.24
	High	16QAM	1.09	1.24
	High	64QAM	1.09	1.23
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.71	3.02
	Low	64QAM	2.71	3.00
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.71	3.03
	Mid	64QAM	2.71	2.99
	High	QPSK	2.70	3.00
	High	16QAM	2.71	3.01
	High	64QAM	2.71	2.98
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.51	4.97
	Low	64QAM	4.51	4.96
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.51	4.97
	Mid	64QAM	4.52	4.99
	High	QPSK	4.51	4.98
	High	16QAM	4.51	4.98
	High	64QAM	4.51	4.96
10	Low	QPSK	8.99	9.82
	Low	16QAM	8.97	9.76
	Low	64QAM	8.98	9.83
	Mid	QPSK	9.01	9.81
	Mid	16QAM	8.97	9.76
	Mid	64QAM	8.99	9.84
	High	QPSK	9.01	9.77
	High	16QAM	8.98	9.78
	High	64QAM	8.99	9.81



15	Low	QPSK	13.42	14.66
	Low	16QAM	13.46	14.59
	Low	64QAM	13.43	14.73
	Mid	QPSK	13.47	14.64
	Mid	16QAM	13.46	14.76
	Mid	64QAM	13.45	14.72
	High	QPSK	13.46	14.61
	High	16QAM	13.47	14.66
	High	64QAM	13.44	14.62
20	Low	QPSK	17.87	19.48
	Low	16QAM	17.93	19.37
	Low	64QAM	17.87	19.43
	Mid	QPSK	17.93	19.40
	Mid	16QAM	17.97	19.51
	Mid	64QAM	17.97	19.45
	High	QPSK	17.97	19.60
	High	16QAM	17.98	19.46
	High	64QAM	17.93	19.54



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.10	1.23
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.09	1.24
	Mid	64QAM	1.10	1.24
	High	QPSK	1.10	1.23
	High	16QAM	1.10	1.24
	High	64QAM	1.10	1.23
3	Low	QPSK	2.71	3.00
	Low	16QAM	2.71	3.02
	Low	64QAM	2.71	3.02
	Mid	QPSK	2.71	3.02
	Mid	16QAM	2.71	2.98
	Mid	64QAM	2.71	2.99
	High	QPSK	2.70	3.03
	High	16QAM	2.71	3.02
	High	64QAM	2.71	2.99
5	Low	QPSK	4.51	4.97
	Low	16QAM	4.51	4.99
	Low	64QAM	4.53	4.98
	Mid	QPSK	4.52	4.95
	Mid	16QAM	4.51	4.95
	Mid	64QAM	4.51	5.00
	High	QPSK	4.49	4.98
	High	16QAM	4.49	4.95
	High	64QAM	4.50	4.98
10	Low	QPSK	9.03	9.82
	Low	16QAM	8.98	9.78
	Low	64QAM	9.00	9.86
	Mid	QPSK	8.95	9.78
	Mid	16QAM	8.93	9.77
	Mid	64QAM	8.95	9.80
	High	QPSK	8.98	9.79
	High	16QAM	8.93	9.71
	High	64QAM	8.96	9.83



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	4.94
	Low	16QAM	4.51	4.95
	Low	64QAM	4.50	4.95
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.51	4.95
	Mid	64QAM	4.50	4.96
	High	QPSK	4.50	5.00
	High	16QAM	4.50	4.97
	High	64QAM	4.50	4.94
10	Low	QPSK	9.00	9.83
	Low	16QAM	8.96	9.74
	Low	64QAM	10.80	19.87
	Mid	QPSK	8.99	9.81
	Mid	16QAM	8.97	9.76
	Mid	64QAM	8.99	9.75
	High	QPSK	8.97	9.72
	High	16QAM	8.95	9.74
	High	64QAM	8.95	9.84
15	Low	QPSK	13.46	14.64
	Low	16QAM	13.44	14.73
	Low	64QAM	13.43	14.76
	Mid	QPSK	13.45	14.59
	Mid	16QAM	13.46	14.67
	Mid	64QAM	13.48	14.57
	High	QPSK	13.41	14.60
	High	16QAM	13.43	14.67
	High	64QAM	13.43	14.64
20	Low	QPSK	17.94	19.48
	Low	16QAM	17.96	19.50
	Low	64QAM	17.95	19.47
	Mid	QPSK	17.93	19.50
	Mid	16QAM	17.95	19.24
	Mid	64QAM	17.95	19.50
	High	QPSK	17.90	19.42
	High	16QAM	17.89	19.47
	High	64QAM	17.91	19.44



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.09	1.24
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.09	1.25
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.09	1.22
3	Low	QPSK	2.71	2.99
	Low	16QAM	2.71	2.98
	Low	64QAM	2.71	3.00
	Mid	QPSK	2.71	2.99
	Mid	16QAM	2.71	2.98
	Mid	64QAM	2.71	2.99
	High	QPSK	2.71	3.00
	High	16QAM	2.71	3.00
	High	64QAM	2.71	2.99
5	Low	QPSK	4.51	4.97
	Low	16QAM	4.50	4.94
	Low	64QAM	4.51	4.97
	Mid	QPSK	4.51	4.97
	Mid	16QAM	4.50	4.95
	Mid	64QAM	4.50	4.95
	High	QPSK	4.50	4.98
	High	16QAM	4.49	4.96
	High	64QAM	4.49	4.95
10	Low	QPSK	9.00	9.80
	Low	16QAM	8.96	9.75
	Low	64QAM	8.97	9.81
	Mid	QPSK	9.00	9.84
	Mid	16QAM	8.97	9.76
	Mid	64QAM	8.99	9.82
	High	QPSK	8.99	9.80
	High	16QAM	8.97	9.74
	High	64QAM	8.98	9.81



LTE Band 13				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.95
	Low	16QAM	4.49	4.96
	Low	64QAM	4.49	4.94
	Mid	QPSK	4.49	4.96
	Mid	16QAM	4.48	4.95
	Mid	64QAM	4.48	4.93
	High	QPSK	4.51	4.99
	High	16QAM	4.50	4.95
	High	64QAM	4.49	4.96
10	Low	QPSK	8.96	9.75
	Low	16QAM	8.94	9.73
	Low	64QAM	8.95	9.84
	Mid	QPSK	8.97	9.79
	Mid	16QAM	8.93	9.74
	Mid	64QAM	8.93	9.77
	High	QPSK	8.98	9.77
	High	16QAM	8.94	9.76
	High	64QAM	8.96	9.78



LTE Band 25				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.20
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.23
	Mid	64QAM	1.10	1.24
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.10	1.24
3	Low	QPSK	2.70	3.00
	Low	16QAM	2.72	2.99
	Low	64QAM	2.72	3.01
	Mid	QPSK	2.71	3.00
	Mid	16QAM	2.71	3.00
	Mid	64QAM	2.72	2.99
	High	QPSK	2.71	3.00
	High	16QAM	2.71	2.99
	High	64QAM	2.71	3.02
5	Low	QPSK	4.52	4.98
	Low	16QAM	4.50	4.98
	Low	64QAM	4.51	4.95
	Mid	QPSK	4.51	4.96
	Mid	16QAM	4.50	4.96
	Mid	64QAM	4.49	4.94
	High	QPSK	4.52	4.98
	High	16QAM	4.51	4.97
	High	64QAM	4.53	4.98
10	Low	QPSK	9.00	9.79
	Low	16QAM	8.95	9.79
	Low	64QAM	8.99	9.81
	Mid	QPSK	8.99	9.74
	Mid	16QAM	8.96	9.73
	Mid	64QAM	8.97	9.80
	High	QPSK	8.98	9.75
	High	16QAM	8.95	9.70
	High	64QAM	8.96	9.74



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15	Low	QPSK	13.48	14.59
	Low	16QAM	13.46	14.70
	Low	64QAM	13.44	14.58
	Mid	QPSK	13.42	14.60
	Mid	16QAM	13.44	14.70
	Mid	64QAM	13.43	14.68
	High	QPSK	13.36	14.50
	High	16QAM	13.37	14.58
	High	64QAM	13.36	14.58
20	Low	QPSK	17.97	19.49
	Low	16QAM	17.92	19.52
	Low	64QAM	17.96	19.58
	Mid	QPSK	17.87	19.44
	Mid	16QAM	17.88	19.39
	Mid	64QAM	17.90	19.48
	High	QPSK	17.82	19.32
	High	16QAM	17.83	19.26
	High	64QAM	17.83	19.50



LTE Band 26				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.23
	Mid	QPSK	1.10	1.23
	Mid	16QAM	1.09	1.23
	Mid	64QAM	1.10	1.24
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.10	1.23
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	3.01
	Low	64QAM	2.70	2.99
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.70	3.03
	High	QPSK	2.71	3.00
	High	16QAM	2.71	2.99
	High	64QAM	2.71	2.98
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.52	4.93
	Low	64QAM	4.52	4.98
	Mid	QPSK	4.51	4.95
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.51	4.97
	High	QPSK	4.51	4.92
	High	16QAM	4.49	4.96
	High	64QAM	4.49	4.90
10	Low	QPSK	9.01	9.80
	Low	16QAM	9.02	9.81
	Low	64QAM	8.99	9.82
	Mid	QPSK	8.95	9.80
	Mid	16QAM	8.96	9.75
	Mid	64QAM	8.95	9.85
	High	QPSK	8.96	9.78
	High	16QAM	8.97	9.75
	High	64QAM	8.99	9.77



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15	Low	QPSK	13.44	14.58
	Low	16QAM	13.43	14.60
	Low	64QAM	13.45	14.68
	Mid	QPSK	13.41	14.58
	Mid	16QAM	13.41	14.58
	Mid	64QAM	13.36	14.59
	High	QPSK	13.45	14.63
	High	16QAM	13.41	14.57
	High	64QAM	13.41	14.51



LTE Band 38				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.02
	Low	16QAM	4.50	4.96
	Low	64QAM	4.52	4.96
	Mid	QPSK	4.52	4.96
	Mid	16QAM	4.51	4.94
	Mid	64QAM	4.52	4.94
	High	QPSK	4.52	5.02
	High	16QAM	4.49	4.93
	High	64QAM	4.51	4.89
10	Low	QPSK	8.98	9.74
	Low	16QAM	8.97	9.74
	Low	64QAM	8.97	9.77
	Mid	QPSK	9.01	9.73
	Mid	16QAM	8.99	9.85
	Mid	64QAM	9.01	9.77
	High	QPSK	8.97	9.79
	High	16QAM	8.99	9.79
	High	64QAM	8.99	9.84
15	Low	QPSK	13.48	14.49
	Low	16QAM	13.44	14.51
	Low	64QAM	13.44	14.55
	Mid	QPSK	13.47	14.44
	Mid	16QAM	13.45	14.66
	Mid	64QAM	13.43	14.66
	High	QPSK	13.51	14.59
	High	16QAM	13.43	14.55
	High	64QAM	13.45	14.61
20	Low	QPSK	17.99	19.57
	Low	16QAM	17.92	19.45
	Low	64QAM	17.96	19.37
	Mid	QPSK	17.96	19.53
	Mid	16QAM	17.96	19.43
	Mid	64QAM	17.96	19.66
	High	QPSK	18.02	19.48
	High	16QAM	17.99	19.27
	High	64QAM	17.97	19.42



LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.85
	Low	16QAM	4.51	4.97
	Low	64QAM	4.50	5.02
	Mid	QPSK	4.49	4.77
	Mid	16QAM	4.51	4.93
	Mid	64QAM	4.50	4.92
	High	QPSK	4.51	5.04
	High	16QAM	4.50	5.03
	High	64QAM	4.51	5.03
10	Low	QPSK	8.96	9.73
	Low	16QAM	8.96	9.66
	Low	64QAM	8.95	9.77
	Mid	QPSK	8.97	9.79
	Mid	16QAM	8.97	9.70
	Mid	64QAM	8.98	9.85
	High	QPSK	8.98	9.67
	High	16QAM	8.95	9.79
	High	64QAM	8.96	9.79
15	Low	QPSK	13.45	14.53
	Low	16QAM	13.44	14.66
	Low	64QAM	13.40	14.51
	Mid	QPSK	13.46	14.63
	Mid	16QAM	13.43	14.65
	Mid	64QAM	13.43	14.61
	High	QPSK	13.45	14.63
	High	16QAM	13.43	14.74
	High	64QAM	13.46	14.64
20	Low	QPSK	17.90	19.40
	Low	16QAM	17.86	19.36
	Low	64QAM	17.91	19.55
	Mid	QPSK	17.91	19.30
	Mid	16QAM	17.92	19.41
	Mid	64QAM	17.93	19.49
	High	QPSK	17.91	19.43
	High	16QAM	17.90	19.38
	High	64QAM	17.86	19.25



LTE Band 42				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.03
	Low	16QAM	4.51	4.94
	Low	64QAM	4.52	5.06
	Mid	QPSK	4.52	5.01
	Mid	16QAM	4.51	5.07
	Mid	64QAM	4.51	4.96
	High	QPSK	4.51	4.98
	High	16QAM	4.51	4.95
	High	64QAM	4.51	4.92
10	Low	QPSK	8.97	9.72
	Low	16QAM	8.97	9.78
	Low	64QAM	8.97	9.81
	Mid	QPSK	8.97	9.73
	Mid	16QAM	8.96	9.76
	Mid	64QAM	8.96	9.82
	High	QPSK	8.99	9.71
	High	16QAM	8.97	9.78
	High	64QAM	8.98	9.84
15	Low	QPSK	13.45	14.75
	Low	16QAM	13.49	14.75
	Low	64QAM	13.45	14.61
	Mid	QPSK	13.48	14.60
	Mid	16QAM	13.48	14.68
	Mid	64QAM	13.45	14.71
	High	QPSK	13.43	14.57
	High	16QAM	13.48	14.71
	High	64QAM	13.44	14.54
20	Low	QPSK	17.96	19.44
	Low	16QAM	17.95	19.51
	Low	64QAM	17.93	19.40
	Mid	QPSK	17.95	19.33
	Mid	16QAM	17.92	19.39
	Mid	64QAM	17.94	19.45
	High	QPSK	17.91	19.37
	High	16QAM	17.93	19.45
	High	64QAM	17.93	19.53



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.09	1.24
	Mid	64QAM	1.09	1.23
	High	QPSK	1.10	1.23
	High	16QAM	1.10	1.24
	High	64QAM	1.10	1.24
3	Low	QPSK	2.71	2.99
	Low	16QAM	2.71	3.01
	Low	64QAM	2.71	3.01
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.71	3.00
	Mid	64QAM	2.72	3.01
	High	QPSK	2.71	3.02
	High	16QAM	2.71	2.99
	High	64QAM	2.71	3.01
5	Low	QPSK	4.51	4.97
	Low	16QAM	4.51	4.97
	Low	64QAM	4.51	4.97
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	4.95
	Mid	64QAM	4.52	4.97
	High	QPSK	4.51	4.99
	High	16QAM	4.50	4.96
	High	64QAM	4.52	4.96
10	Low	QPSK	9.00	9.80
	Low	16QAM	8.97	9.73
	Low	64QAM	8.98	9.78
	Mid	QPSK	8.99	9.81
	Mid	16QAM	8.97	9.77
	Mid	64QAM	8.99	9.81
	High	QPSK	8.99	9.81
	High	16QAM	8.97	9.76
	High	64QAM	8.98	9.77



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15	Low	QPSK	13.46	14.64
	Low	16QAM	13.45	14.73
	Low	64QAM	13.40	14.58
	Mid	QPSK	13.47	14.67
	Mid	16QAM	13.46	14.61
	Mid	64QAM	13.45	14.71
	High	QPSK	13.50	14.68
	High	16QAM	13.46	14.65
	High	64QAM	13.45	14.67
20	Low	QPSK	17.89	19.33
	Low	16QAM	17.93	19.32
	Low	64QAM	17.88	19.49
	Mid	QPSK	17.94	19.51
	Mid	16QAM	17.99	19.47
	Mid	64QAM	17.94	19.43
	High	QPSK	17.95	19.52
	High	16QAM	17.93	19.49
	High	64QAM	17.93	19.48



LTE Band 71				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	4.94
	Low	16QAM	4.50	4.96
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.51	4.98
	Mid	16QAM	4.51	4.96
	Mid	64QAM	4.52	4.98
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.96
	High	64QAM	4.52	4.98
10	Low	QPSK	8.96	9.75
	Low	16QAM	8.94	9.72
	Low	64QAM	8.95	9.76
	Mid	QPSK	8.96	9.77
	Mid	16QAM	8.95	9.75
	Mid	64QAM	8.97	9.74
	High	QPSK	9.03	9.83
	High	16QAM	8.96	9.77
	High	64QAM	9.00	9.88
15	Low	QPSK	13.48	14.59
	Low	16QAM	13.46	14.62
	Low	64QAM	13.44	14.69
	Mid	QPSK	13.40	14.57
	Mid	16QAM	13.41	14.51
	Mid	64QAM	13.39	14.50
	High	QPSK	13.51	14.62
	High	16QAM	13.50	14.69
	High	64QAM	13.49	14.70
20	Low	QPSK	17.92	19.47
	Low	16QAM	17.95	19.43
	Low	64QAM	17.95	19.47
	Mid	QPSK	17.89	19.44
	Mid	16QAM	17.89	19.33
	Mid	64QAM	17.90	19.34
	High	QPSK	17.95	19.49
	High	16QAM	17.97	19.54
	High	64QAM	18.01	19.41



Band2 / 1.4MHz / QPSK/ Low CH



Band2 / 1.4MHz / 16QAM/ Low CH



Band2 / 1.4MHz / 64QAM/ Low CH



Band2 / 1.4MHz / QPSK/ Mid CH



Band2 / 1.4MHz / 16QAM/ Mid CH



Band2 / 1.4MHz / 64QAM/ Mid CH



Band2 / 1.4MHz / QPSK/ High CH



Band2 / 1.4MHz / 16QAM/ High CH



Band2 / 1.4MHz / 64QAM/ High CH



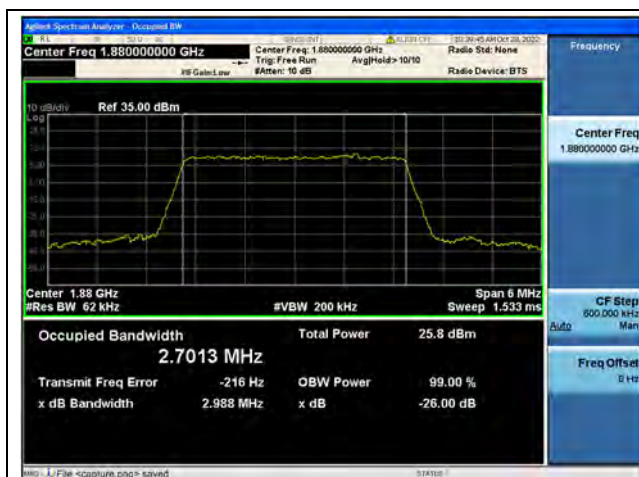
Band2 / 3MHz / QPSK/ Low CH



Band2 / 3MHz / 16QAM/ Low CH



Band2 / 3MHz / 64QAM/ Low CH



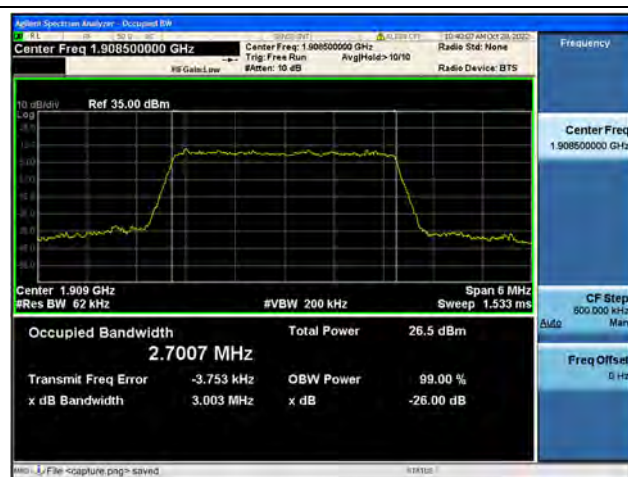
Band2 / 3MHz / QPSK/ Mid CH



Band2 / 3MHz / 16QAM/ Mid CH



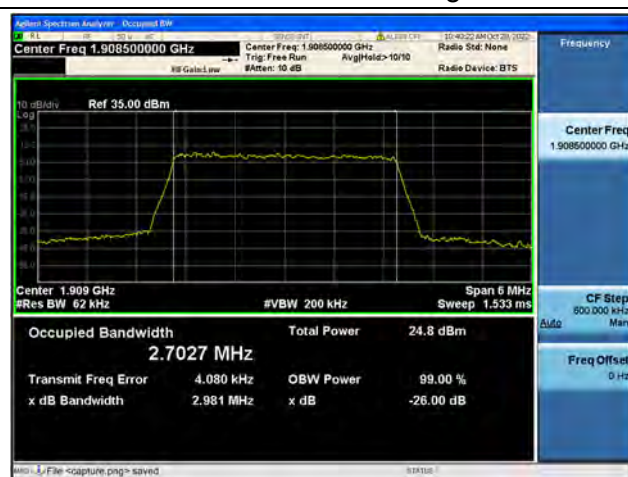
Band2 / 3MHz / 64QAM/ Mid CH



Band2 / 3MHz / QPSK/ High CH



Band2 / 3MHz / 16QAM/ High CH



Band2 / 3MHz / 64QAM/ High CH



Band2 / 5MHz / QPSK/ Low CH



Band2 / 5MHz / 16QAM/ Low CH



Band2 / 5MHz / 64QAM/ Low CH



Band2 / 5MHz / QPSK/ Mid CH



Band2 / 5MHz / 16QAM/ Mid CH



Band2 / 5MHz / 64QAM/ Mid CH



Band2 / 5MHz / QPSK/ High CH



Band2 / 5MHz / 16QAM/ High CH



Band2 / 5MHz / 64QAM/ High CH



Band2 / 10MHz / QPSK/ Low CH



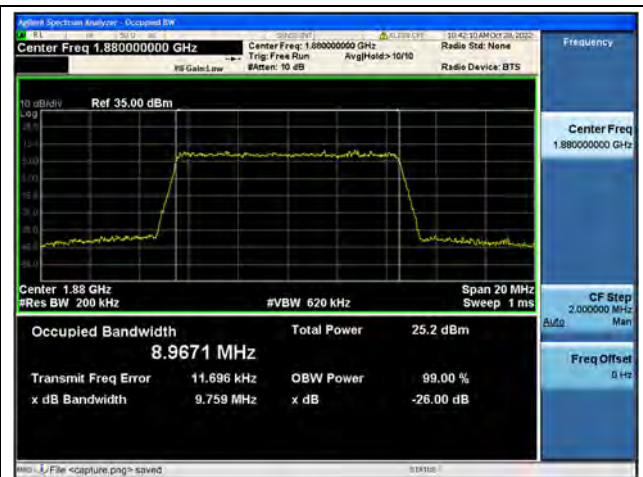
Band2 / 10MHz / 16QAM/ Low CH



Band2 / 10MHz / 64QAM/ Low CH



Band2 / 10MHz / QPSK/ Mid CH



Band2 / 10MHz / 16QAM/ Mid CH



Band2 / 10MHz / 64QAM/ Mid CH



Band2 / 10MHz / QPSK/ High CH



Band2 / 10MHz / 16QAM/ High CH



Band2 / 10MHz / 64QAM/ High CH



Band2 / 15MHz / QPSK/ Low CH



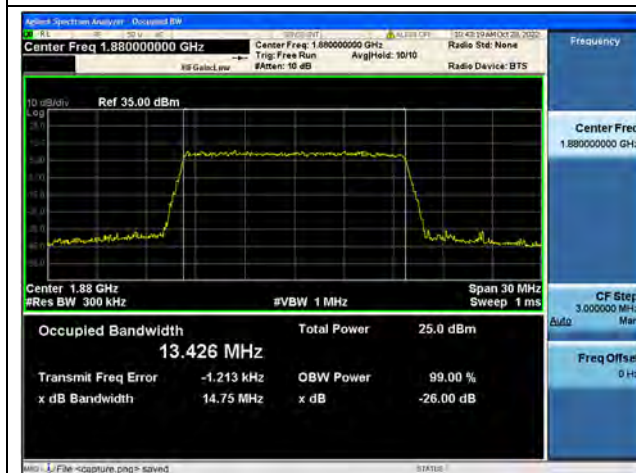
Band2 / 15MHz / 16QAM/ Low CH



Band2 / 15MHz / 64QAM/ Low CH



Band2 / 15MHz / QPSK/ Mid CH



Band2 / 15MHz / 16QAM/ Mid CH



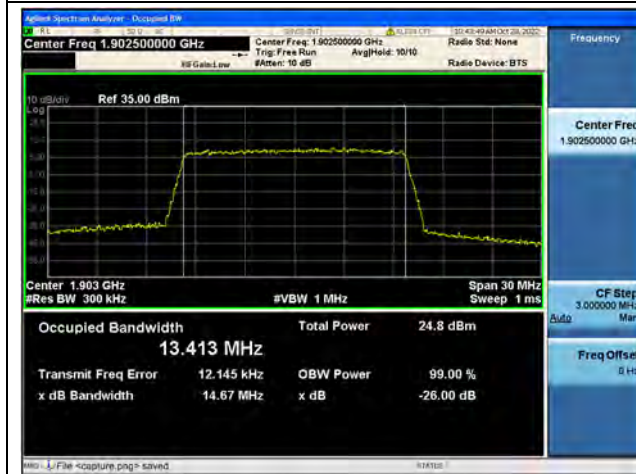
Band2 / 15MHz / 64QAM/ Mid CH



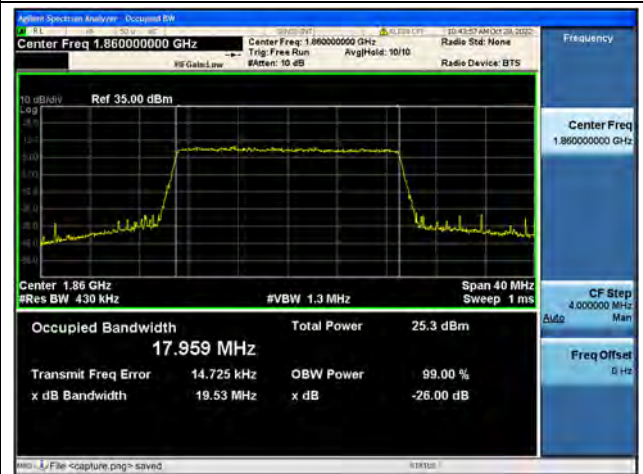
Band2 / 15MHz / QPSK/ High CH



Band2 / 15MHz / 16QAM/ High CH



Band2 / 15MHz / 64QAM/ High CH



Band2 / 20MHz / QPSK/ Low CH



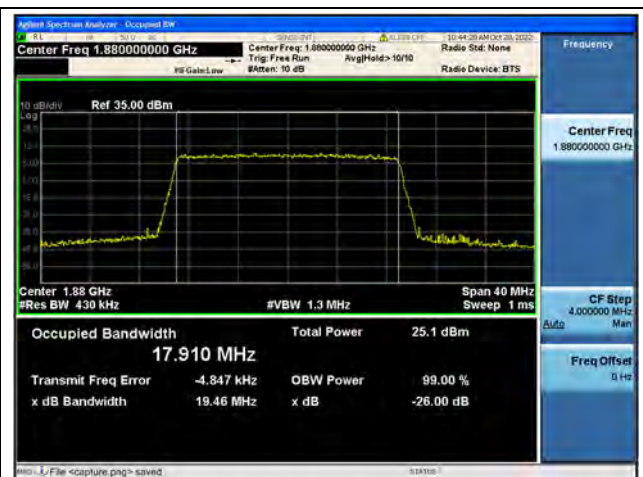
Band2 / 20MHz / 16QAM/ Low CH



Band2 / 20MHz / 64QAM/ Low CH



Band2 / 20MHz / QPSK/ Mid CH



Band2 / 20MHz / 16QAM/ Mid CH



Band2 / 20MHz / 64QAM/ Mid CH



Band2 / 20MHz / QPSK/ High CH



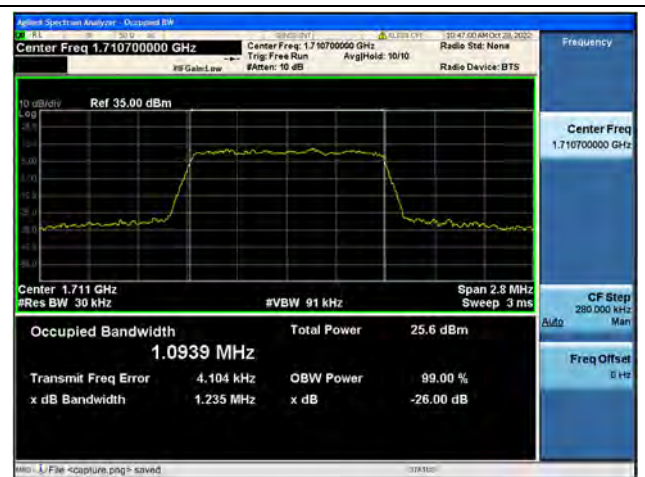
Band2 / 20MHz / 16QAM/ High CH



Band2 / 20MHz / 64QAM/ High CH



Band4 / 1.4MHz / QPSK/ Low CH



Band4 / 1.4MHz / 16QAM/ Low CH



Band4 / 1.4MHz / 64QAM/ Low CH



Band4 / 1.4MHz / QPSK/ Mid CH



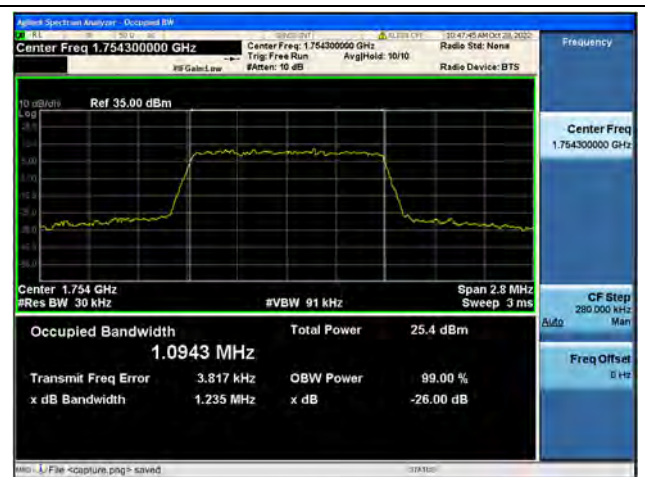
Band4 / 1.4MHz / 16QAM/ Mid CH



Band4 / 1.4MHz / 64QAM/ Mid CH



Band4 / 1.4MHz / QPSK/ High CH



Band4 / 1.4MHz / 16QAM/ High CH



Band4 / 1.4MHz / 64QAM/ High CH



Band4 / 3MHz / QPSK/ Low CH



Band4 / 3MHz / 16QAM/ Low CH



Band4 / 3MHz / 64QAM/ Low CH



Band4 / 3MHz / QPSK/ Mid CH



Band4 / 3MHz / 16QAM/ Mid CH



Band4 / 3MHz / 64QAM/ Mid CH



Band4 / 3MHz / QPSK/ High CH



Band4 / 3MHz / 16QAM/ High CH



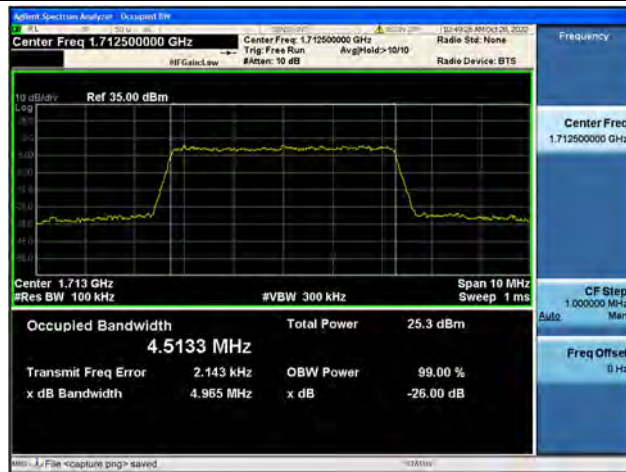
Band4 / 3MHz / 64QAM/ High CH



Band4 / 5MHz / QPSK/ Low CH



Band4 / 5MHz / 16QAM/ Low CH



Band4 / 5MHz / 64QAM/ Low CH



Band4 / 5MHz / QPSK/ Mid CH



Band4 / 5MHz / 16QAM/ Mid CH



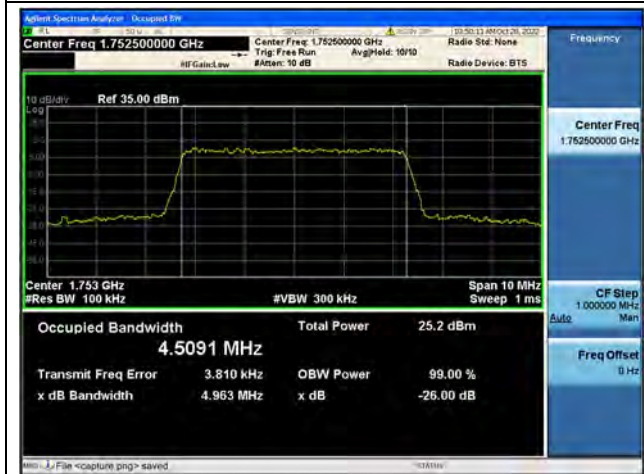
Band4 / 5MHz / 64QAM/ Mid CH



Band4 / 5MHz / QPSK/ High CH



Band4 / 5MHz / 16QAM/ High CH



Band4 / 5MHz / 64QAM/ High CH



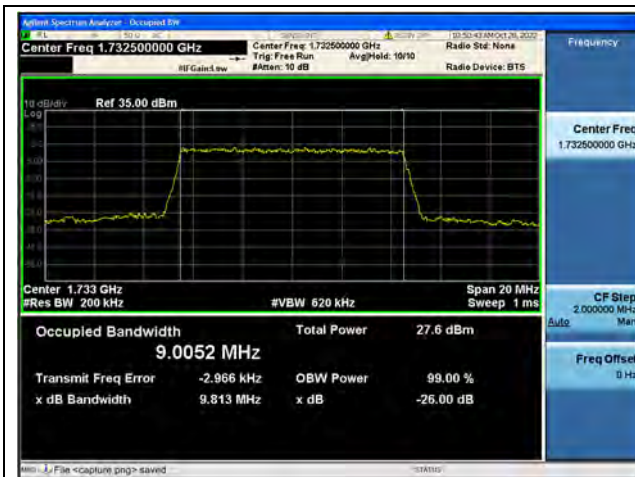
Band4 / 10MHz / QPSK/ Low CH



Band4 / 10MHz / 16QAM/ Low CH



Band4 / 10MHz / 64QAM/ Low CH



Band4 / 10MHz / QPSK/ Mid CH



Band4 / 10MHz / 16QAM/ Mid CH



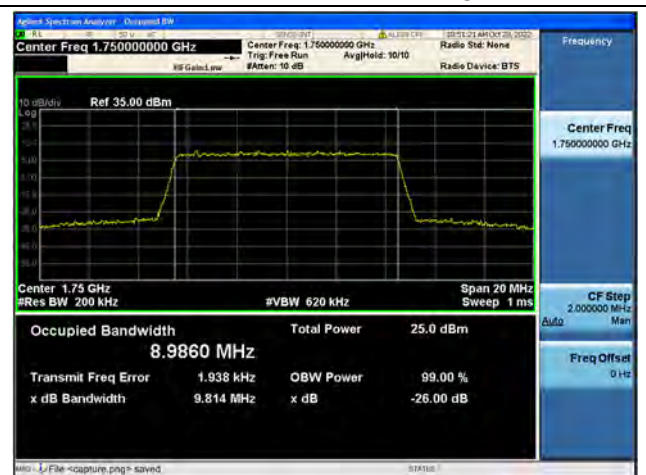
Band4 / 10MHz / 64QAM/ Mid CH



Band4 / 10MHz / QPSK/ High CH



Band4 / 10MHz / 16QAM/ High CH



Band4 / 10MHz / 64QAM/ High CH



Band4 / 15MHz / QPSK/ Low CH



Band4 / 15MHz / 16QAM/ Low CH



Band4 / 15MHz / 64QAM/ Low CH



Band4 / 15MHz / QPSK/ Mid CH



Band4 / 15MHz / 16QAM/ Mid CH



Band4 / 15MHz / 64QAM/ Mid CH



Band4 / 15MHz / QPSK/ High CH



Band4 / 15MHz / 16QAM/ High CH



Band4 / 15MHz / 64QAM/ High CH



Band4 / 20MHz / QPSK/ Low CH



Band4 / 20MHz / 16QAM/ Low CH



Band4 / 20MHz / 64QAM/ Low CH



Band4 / 20MHz / QPSK/ Mid CH



Band4 / 20MHz / 16QAM/ Mid CH



Band4 / 20MHz / 64QAM/ Mid CH



Band4 / 20MHz / QPSK/ High CH



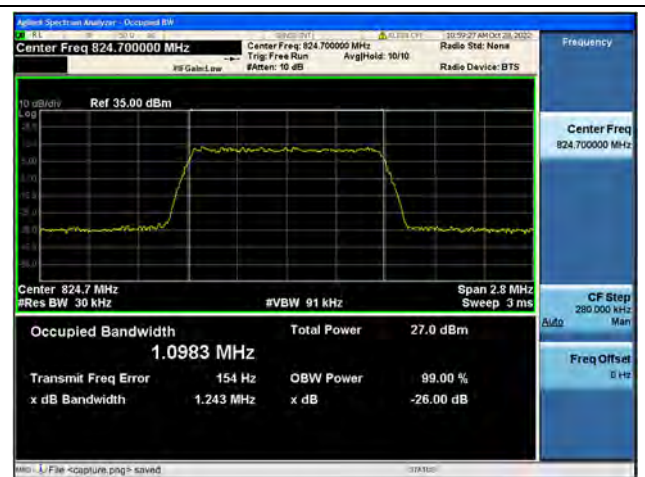
Band4 / 20MHz / 16QAM/ High CH



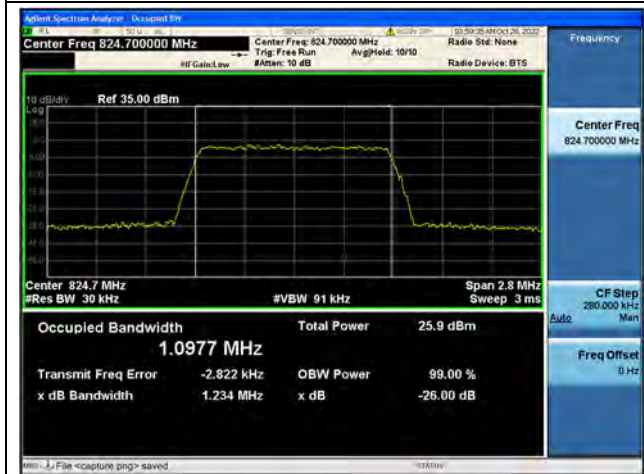
Band4 / 20MHz / 64QAM/ High CH



Band5 / 1.4MHz / QPSK/ Low CH



Band5 / 1.4MHz / 16QAM/ Low CH



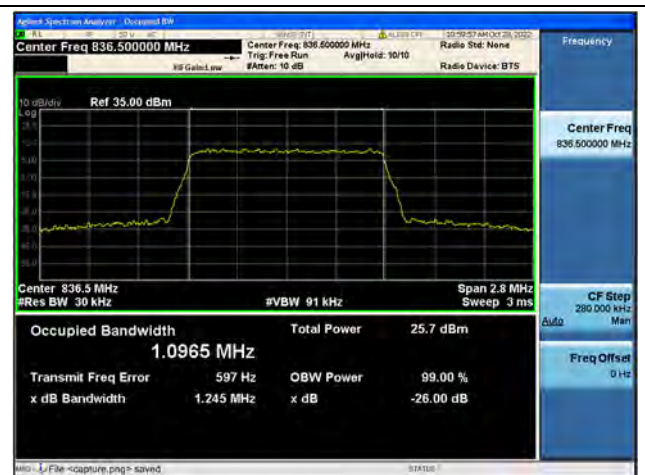
Band5 / 1.4MHz / 64QAM/ Low CH



Band5 / 1.4MHz / QPSK/ Mid CH



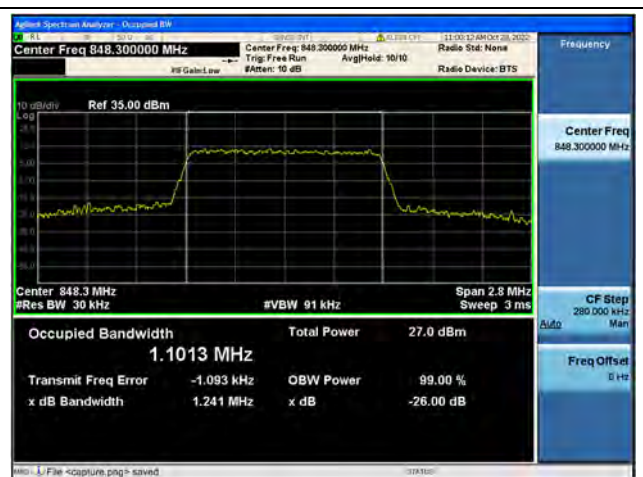
Band5 / 1.4MHz / 16QAM/ Mid CH



Band5 / 1.4MHz / 64QAM/ Mid CH



Band5 / 1.4MHz / QPSK/ High CH



Band5 / 1.4MHz / 16QAM/ High CH



Band5 / 1.4MHz / 64QAM/ High CH



Band5 / 3MHz / QPSK/ Low CH



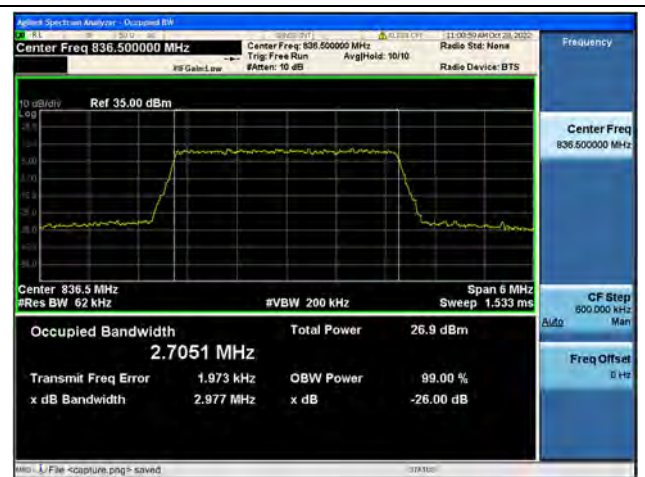
Band5 / 3MHz / 16QAM/ Low CH



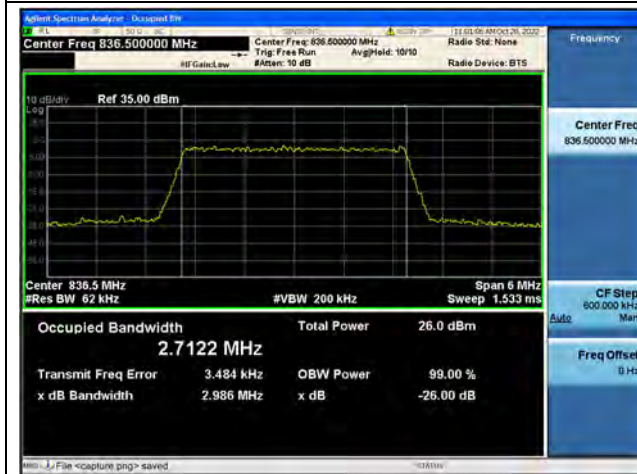
Band5 / 3MHz / 64QAM/ Low CH



Band5 / 3MHz / QPSK/ Mid CH



Band5 / 3MHz / 16QAM/ Mid CH



Band5 / 3MHz / 64QAM/ Mid CH



Band5 / 3MHz / QPSK/ High CH



Band5 / 3MHz / 16QAM/ High CH



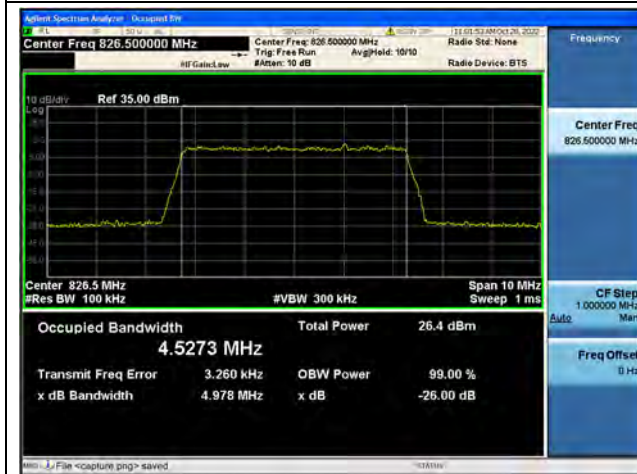
Band5 / 3MHz / 64QAM/ High CH



Band5 / 5MHz / QPSK/ Low CH



Band5 / 5MHz / 16QAM/ Low CH



Band5 / 5MHz / 64QAM/ Low CH



Band5 / 5MHz / QPSK/ Mid CH



Band5 / 5MHz / 16QAM/ Mid CH



Band5 / 5MHz / 64QAM/ Mid CH



Band5 / 5MHz / QPSK/ High CH



Band5 / 5MHz / 16QAM/ High CH



Band5 / 5MHz / 64QAM/ High CH



Band5 / 10MHz / QPSK/ Low CH



Band5 / 10MHz / 16QAM/ Low CH



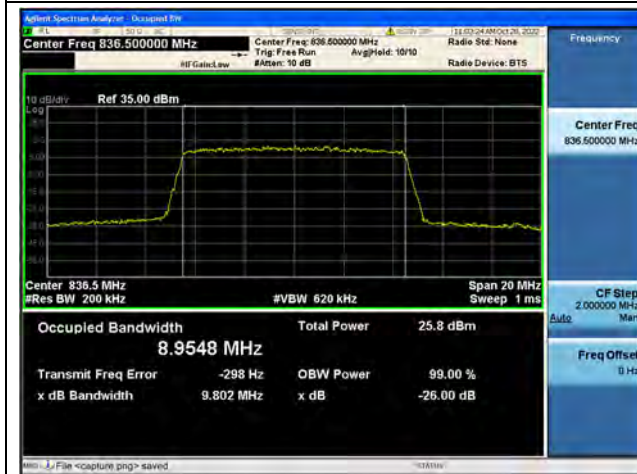
Band5 / 10MHz / 64QAM/ Low CH



Band5 / 10MHz / QPSK/ Mid CH



Band5 / 10MHz / 16QAM/ Mid CH



Band5 / 10MHz / 64QAM/ Mid CH



Band5 / 10MHz / QPSK/ High CH



Band5 / 10MHz / 16QAM/ High CH



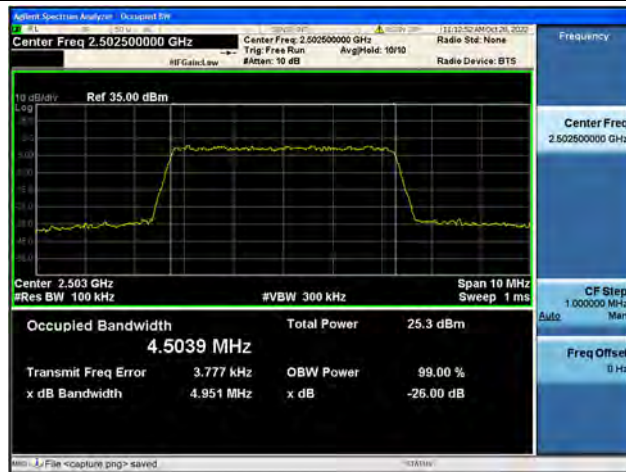
Band5 / 10MHz / 64QAM/ High CH



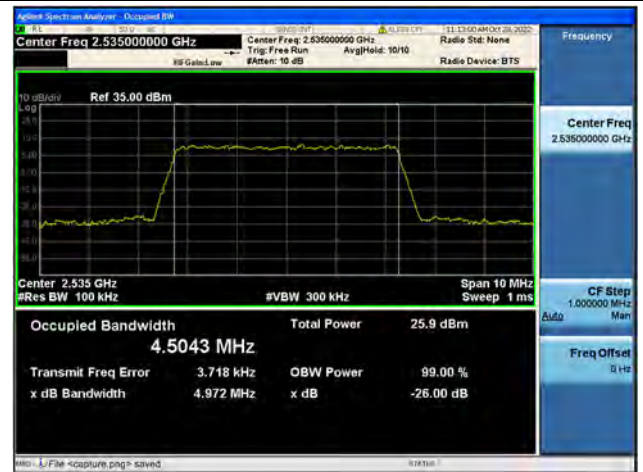
Band7 / 5MHz / QPSK/ Low CH



Band7 / 5MHz / 16QAM/ Low CH



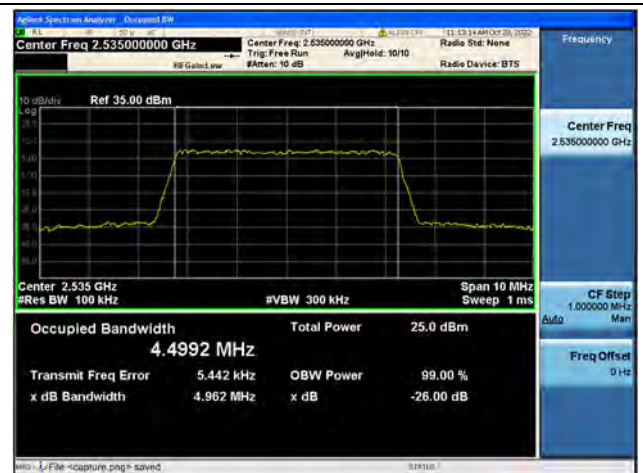
Band7 / 5MHz / 64QAM/ Low CH



Band7 / 5MHz / QPSK/ Mid CH



Band7 / 5MHz / 16QAM/ Mid CH



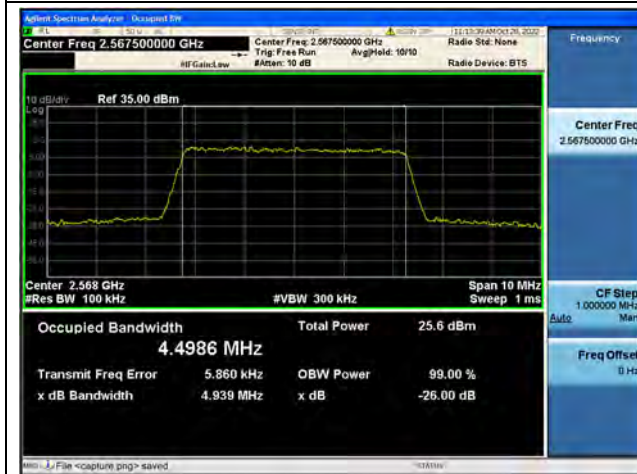
Band7 / 5MHz / 64QAM/ Mid CH



Band7 / 5MHz / QPSK/ High CH



Band7 / 5MHz / 16QAM/ High CH



Band7 / 5MHz / 64QAM/ High CH



Band7 / 10MHz / QPSK/ Low CH



Band7 / 10MHz / 16QAM/ Low CH



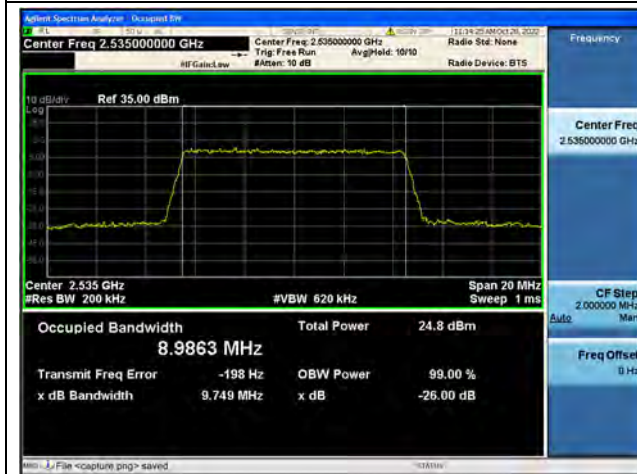
Band7 / 10MHz / 64QAM/ Low CH



Band7 / 10MHz / QPSK/ Mid CH



Band7 / 10MHz / 16QAM/ Mid CH



Band7 / 10MHz / 64QAM/ Mid CH



Band7 / 10MHz / QPSK/ High CH



Band7 / 10MHz / 16QAM/ High CH



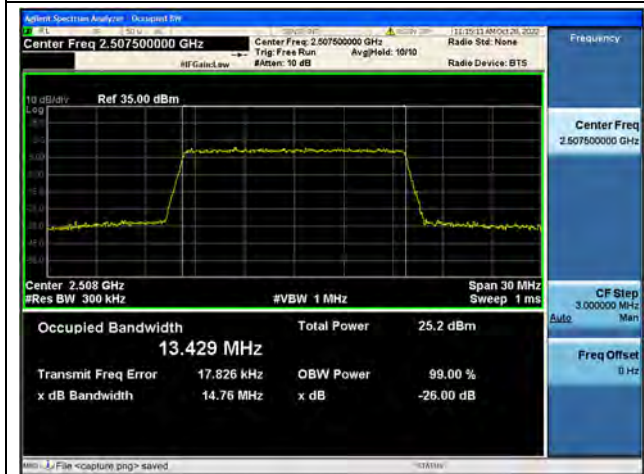
Band7 / 10MHz / 64QAM/ High CH



Band7 / 15MHz / QPSK/ Low CH



Band7 / 15MHz / 16QAM/ Low CH



Band7 / 15MHz / 64QAM/ Low CH



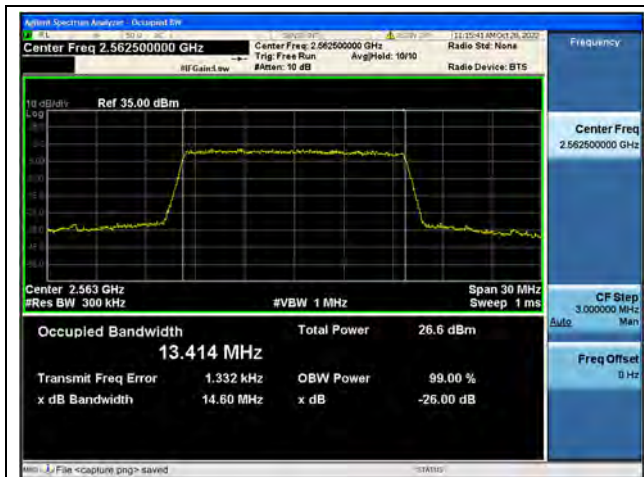
Band7 / 15MHz / QPSK/ Mid CH



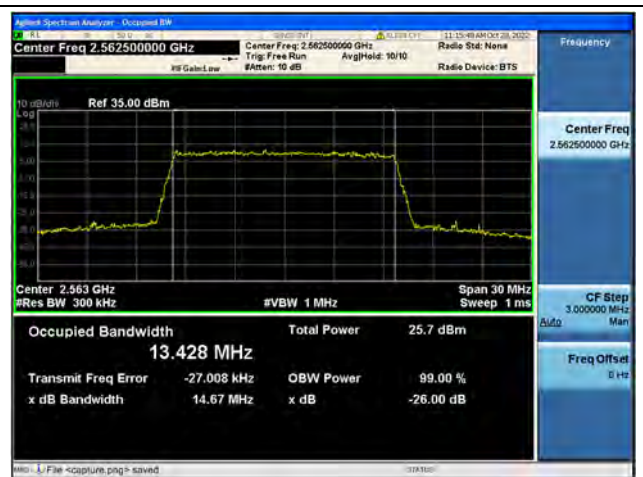
Band7 / 15MHz / 16QAM/ Mid CH



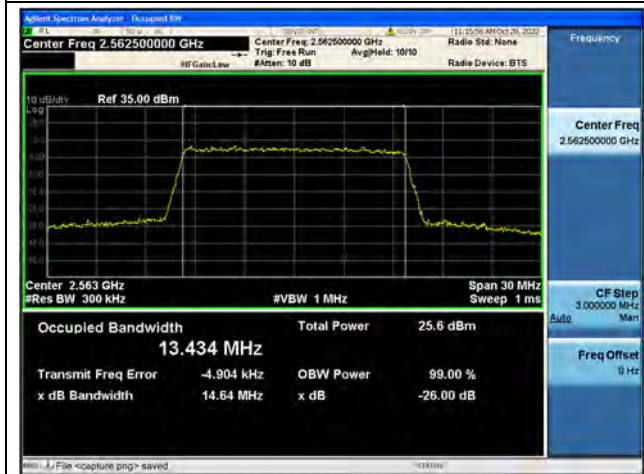
Band7 / 15MHz / 64QAM/ Mid CH



Band7 / 15MHz / QPSK/ High CH



Band7 / 15MHz / 16QAM/ High CH



Band7 / 15MHz / 64QAM/ High CH



Band7 / 20MHz / QPSK/ Low CH



Band7 / 20MHz / 16QAM/ Low CH



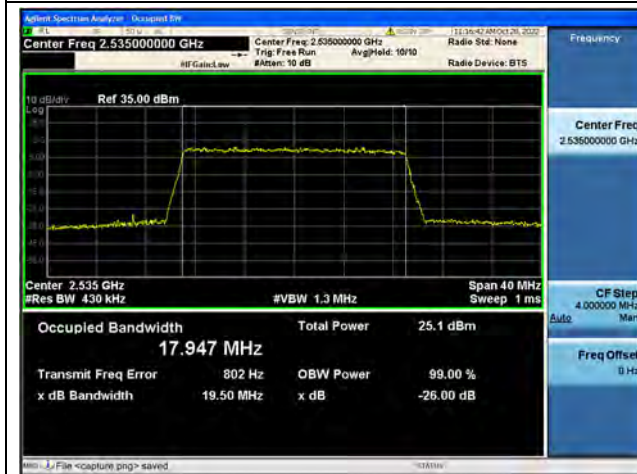
Band7 / 20MHz / 64QAM/ Low CH



Band7 / 20MHz / QPSK/ Mid CH



Band7 / 20MHz / 16QAM/ Mid CH



Band7 / 20MHz / 64QAM/ Mid CH



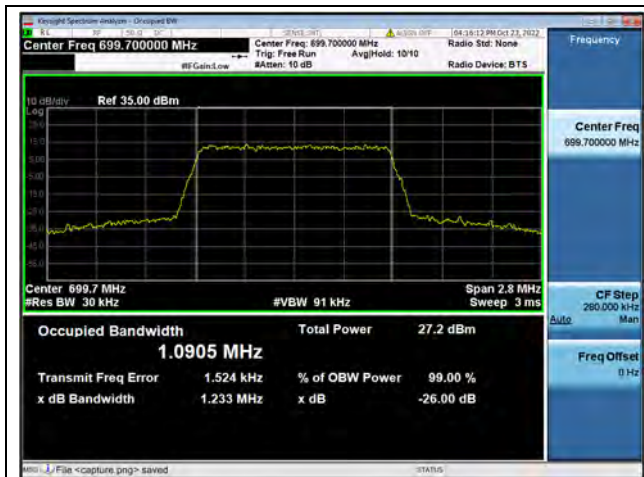
Band7 / 20MHz / QPSK/ High CH



Band7 / 20MHz / 16QAM/ High CH



Band7 / 20MHz / 64QAM/ High CH



Band12 / 1.4MHz / QPSK/ Low CH



Band12 / 1.4MHz / 16QAM/ Low CH



Band12 / 1.4MHz / 64QAM/ Low CH



Band12 / 1.4MHz / QPSK/ Mid CH



Band12 / 1.4MHz / 16QAM/ Mid CH



Band12 / 1.4MHz / 64QAM/ Mid CH



Band12 / 1.4MHz / QPSK/ High CH



Band12 / 1.4MHz / 16QAM/ High CH



Band12 / 1.4MHz / 64QAM/ High CH



Band12 / 3MHz / QPSK/ Low CH



Band12 / 3MHz / 16QAM/ Low CH



Band12 / 3MHz / 64QAM/ Low CH



Band12 / 3MHz / QPSK/ Mid CH



Band12 / 3MHz / 16QAM/ Mid CH



Band12 / 3MHz / 64QAM/ Mid CH



Band12 / 3MHz / QPSK/ High CH



Band12 / 3MHz / 16QAM/ High CH



Band12 / 3MHz / 64QAM/ High CH



Band12 / 5MHz / QPSK/ Low CH



Band12 / 5MHz / 16QAM/ Low CH



Band12 / 5MHz / 64QAM/ Low CH



Band12 / 5MHz / QPSK/ Mid CH



Band12 / 5MHz / 16QAM/ Mid CH



Band12 / 5MHz / 64QAM/ Mid CH



Band12 / 5MHz / QPSK/ High CH



Band12 / 5MHz / 16QAM/ High CH



Band12 / 5MHz / 64QAM/ High CH



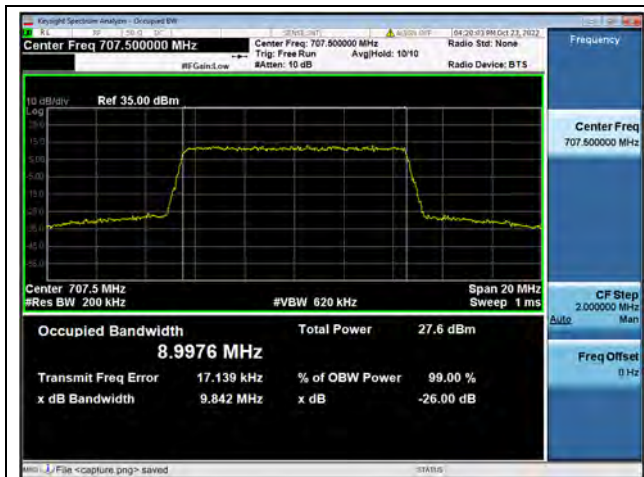
Band12 / 10MHz / QPSK/ Low CH



Band12 / 10MHz / 16QAM/ Low CH



Band12 / 10MHz / 64QAM/ Low CH



Band12 / 10MHz / QPSK/ Mid CH



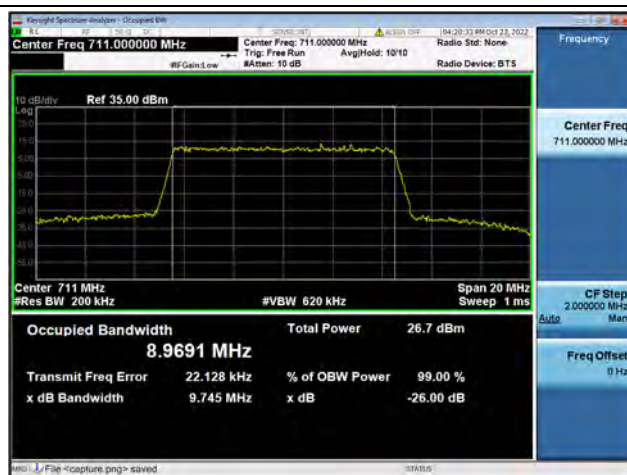
Band12 / 10MHz / 16QAM/ Mid CH



Band12 / 10MHz / 64QAM/ Mid CH



Band12 / 10MHz / QPSK/ High CH



Band12 / 10MHz / 16QAM/ High CH



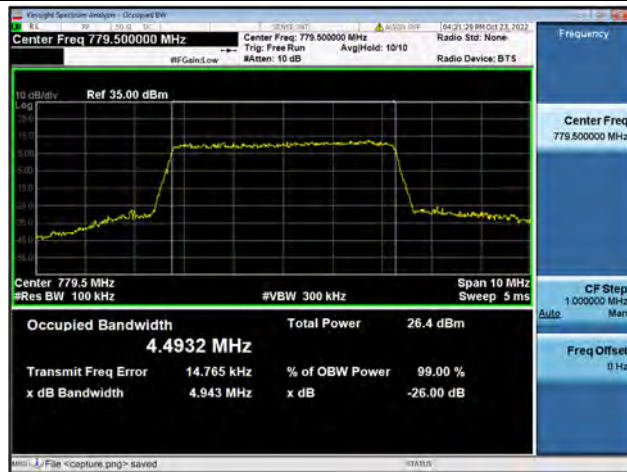
Band12 / 10MHz / 64QAM/ High CH



Band13 / 5MHz / QPSK/ Low CH



Band13 / 5MHz / 16QAM/ Low CH



Band13 / 5MHz / 64QAM/ Low CH



Band13 / 5MHz / QPSK/ Mid CH



Band13 / 5MHz / 16QAM/ Mid CH



Band13 / 5MHz / 64QAM/ Mid CH



Band13 / 5MHz / QPSK/ High CH



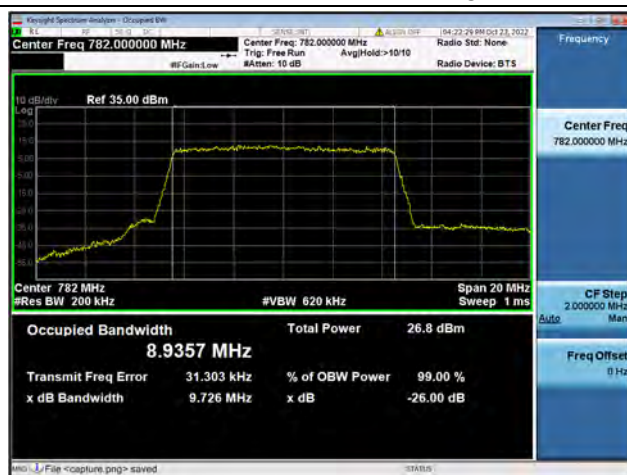
Band13 / 5MHz / 16QAM/ High CH



Band13 / 5MHz / 64QAM/ High CH



Band13 / 10MHz / QPSK/ Low CH



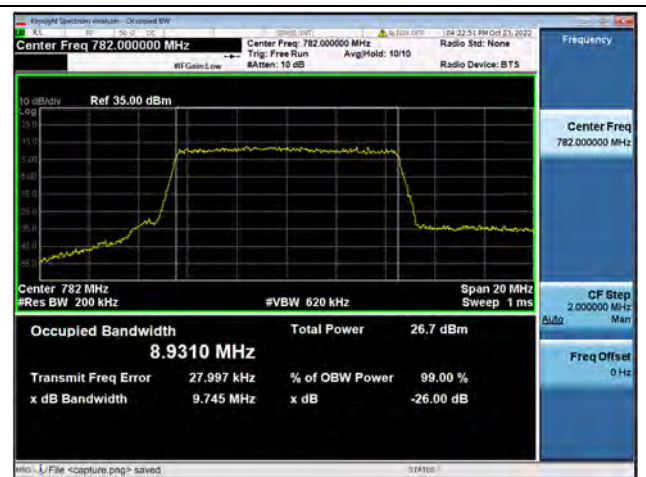
Band13 / 10MHz / 16QAM/ Low CH



Band13 / 10MHz / 64QAM/ Low CH



Band13 / 10MHz / QPSK/ Mid CH



Band13 / 10MHz / 16QAM/ Mid CH



Band13 / 10MHz / 64QAM/ Mid CH



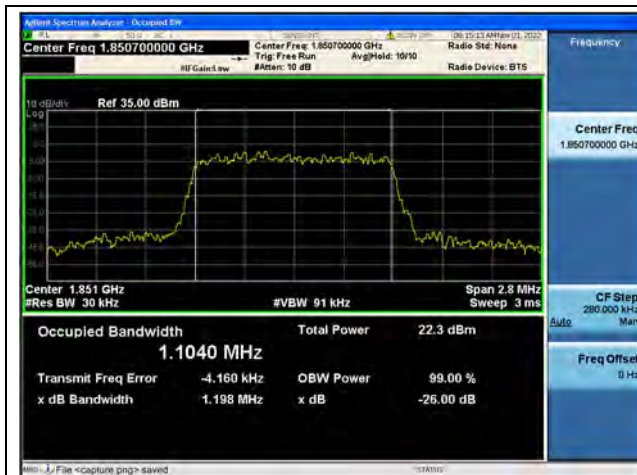
Band13 / 10MHz / QPSK/ High CH



Band13 / 10MHz / 16QAM/ High CH



Band13 / 10MHz / 64QAM/ High CH



Band25 / 1.4MHz / QPSK/ Low CH



Band25 / 1.4MHz / 16QAM/ Low CH



Band25 / 1.4MHz / 64QAM/ Low CH



Band25 / 1.4MHz / QPSK/ Mid CH



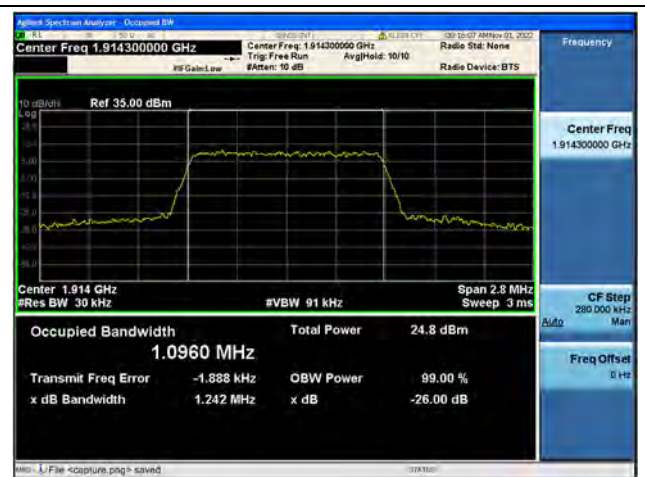
Band25 / 1.4MHz / 16QAM/ Mid CH



Band25 / 1.4MHz / 64QAM/ Mid CH



Band25 / 1.4MHz / QPSK/ High CH



Band25 / 1.4MHz / 16QAM/ High CH



Band25 / 1.4MHz / 64QAM/ High CH



Band25 / 3MHz / QPSK/ Low CH



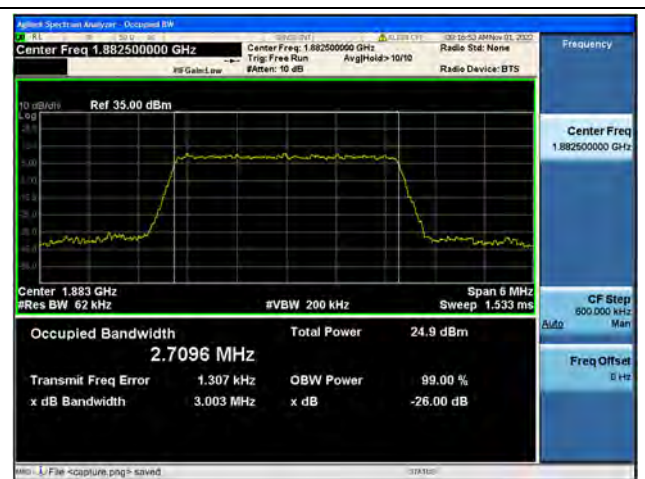
Band25 / 3MHz / 16QAM/ Low CH



Band25 / 3MHz / 64QAM/ Low CH



Band25 / 3MHz / QPSK/ Mid CH



Band25 / 3MHz / 16QAM/ Mid CH



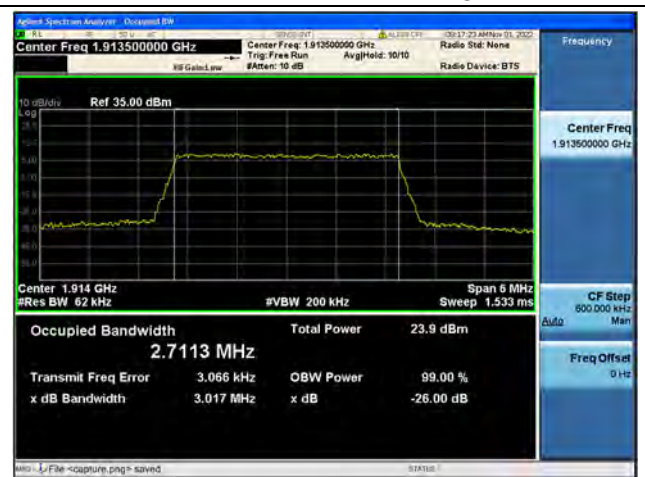
Band25 / 3MHz / 64QAM/ Mid CH



Band25 / 3MHz / QPSK/ High CH



Band25 / 3MHz / 16QAM/ High CH



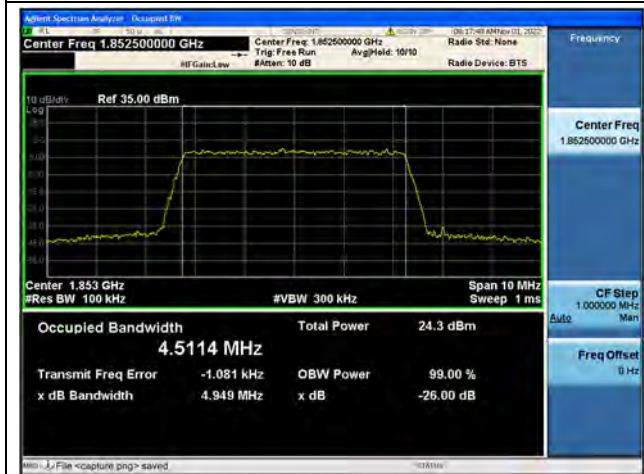
Band25 / 3MHz / 64QAM/ High CH



Band25 / 5MHz / QPSK/ Low CH



Band25 / 5MHz / 16QAM/ Low CH



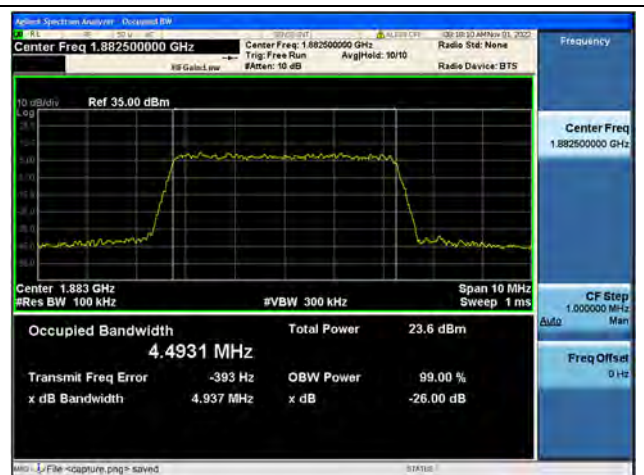
Band25 / 5MHz / 64QAM/ Low CH



Band25 / 5MHz / QPSK/ Mid CH



Band25 / 5MHz / 16QAM/ Mid CH



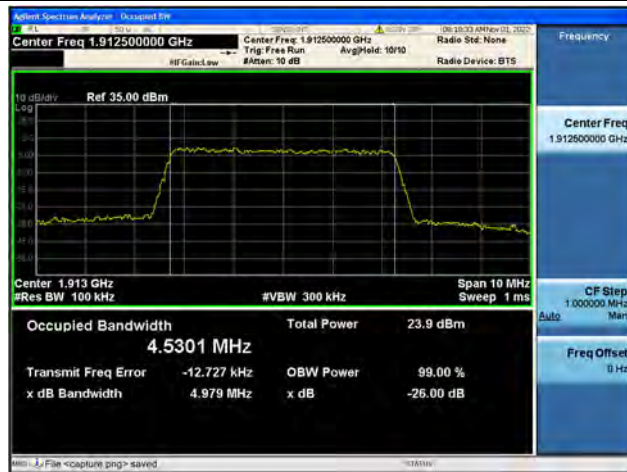
Band25 / 5MHz / 64QAM/ Mid CH



Band25 / 5MHz / QPSK/ High CH



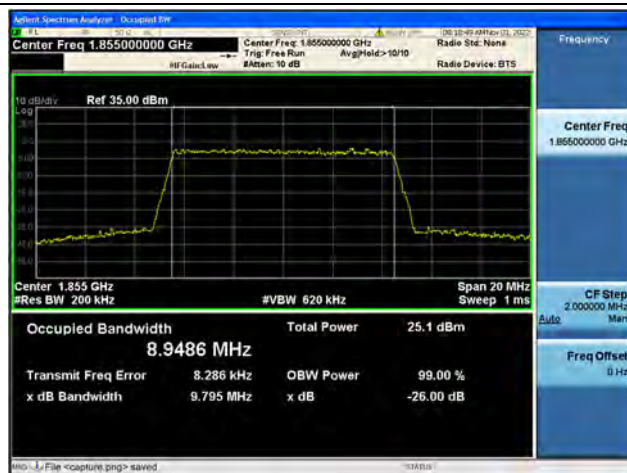
Band25 / 5MHz / 16QAM/ High CH



Band25 / 5MHz / 64QAM/ High CH



Band25 / 10MHz / QPSK/ Low CH



Band25 / 10MHz / 16QAM/ Low CH



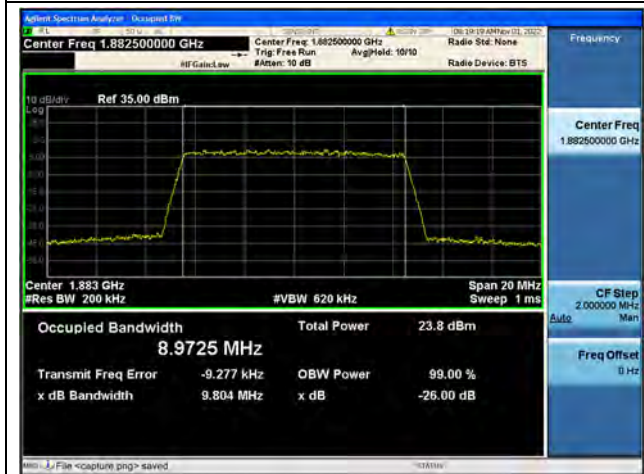
Band25 / 10MHz / 64QAM/ Low CH



Band25 / 10MHz / QPSK/ Mid CH



Band25 / 10MHz / 16QAM/ Mid CH



Band25 / 10MHz / 64QAM/ Mid CH



Band25 / 10MHz / QPSK/ High CH



Band25 / 10MHz / 16QAM/ High CH



Band25 / 10MHz / 64QAM/ High CH