



TEST REPORT

APPLICANT : Fibocom Wireless Inc.

PRODUCT NAME : LTE Module

MODEL NAME : FG101-NA

BRAND NAME : Fibocom

FCC ID : ZMOFG101NA

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

RECEIPT DATE : 2023-06-19

TEST DATE : 2023-06-23 to 2023-07-06

ISSUE DATE : 2023-07-17



Edited by: Peng Mi
Peng Mi (Rapporteur)

Approved by: Shen Junsheng
Shen Junsheng (Supervisor)

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DIRECTORY

- 1. Technical Information 3**
- 1.1. Applicant and Manufacturer Information 3**
- 1.2. Equipment Under Test (EUT) Description 3**
- 1.3. Maximum E.R.P./E.I.R.P. and Emission Designator 6**
- 1.4. Test Standards and Results 9**
- 1.5. Environmental Conditions 10**
- 2. 47 CFR Part 2, Part 22H, Part 24E, Part 27 D&F&H&L&M&N Requirements 11**
- 2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P. 11**
- 2.2. Occupied Bandwidth 131**
- 2.3. Frequency Stability 229**
- 2.4. Peak to Average Ratio 243**
- 2.5. Conducted Spurious Emissions 288**
- 2.6. Band Edge 322**
- 2.7. Radiated Spurious Emissions 366**
- Annex A Test Uncertainty 410**
- Annex B Testing Laboratory Information 411**

Change History		
Version	Date	Reason for change
1.0	2023-07-14	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Fibocom Wireless Inc.
Applicant Address:	1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China
Manufacturer:	Fibocom Wireless Inc.
Manufacturer Address:	1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China

1.2. Equipment Under Test (EUT) Description

Product Name:	LTE Module	
Sample No.:	1#	
Hardware Version:	V1.2	
Software Version:	19101.1000.01.00.00.07	
Modulation Type:	QPSK, 16QAM, 64QAM	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 13 / 17 / 25 / 26 / 30 / 41 / 66 / 71 Band 29 / 46 only support receiver	
Carrier Aggregation(UL):	CA_5B, CA_7C, CA_41C	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz–716MHz
		Rx: 729MHz–746MHz
	LTE Band 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz



Frequency Range:	LTE Band 17	Tx: 704MHz–716MHz Rx: 734MHz–746MHz
	LTE Band 25	Tx: 1850MHz–1915MHz Rx: 1930MHz–1995MHz
	LTE Band 26	Tx: 824MHz–849MHz Rx: 869MHz–894MHz
	LTE Band 29	Rx: 717MHz–728MHz
	LTE Band 30	Tx: 2305MHz–2315MHz Rx: 2350MHz–2360MHz
	LTE Band 41	Tx: 2496MHz–2690MHz Rx: 2496MHz–2690MHz
	LTE Band 46	Rx: 5150MHz–5925MHz
	LTE Band 66	Tx: 1710MHz –1780MHz Rx: 2110MHz–2200MHz
	LTE Band 71	Tx: 663MHz–698MHz Rx: 617MHz–652MHz
	Channel Bandwidth:	LTE Band 2
LTE Band 4		1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
LTE Band 5		1.4MHz, 3MHz, 5MHz, 10MHz
LTE Band 7		5 MHz, 10MHz, 15MHz, 20MHz
LTE Band 12		1.4MHz, 3 MHz, 5 MHz, 10MHz
LTE Band 13		5 MHz, 10MHz
LTE Band 17		5 MHz, 10MHz
LTE Band 25		1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
LTE Band 26		1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
LTE Band 30		5 MHz, 10MHz
LTE Band 41		5 MHz, 10MHz, 15MHz, 20MHz
LTE Band 66		1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz	
Antenna Type:	Fixed External Antenna	
Antenna Gain:	LTE Band 2	4.07dBi
	LTE Band 4	4.07dBi
	LTE Band 5	2.20dBi
	LTE Band 7	4.07dBi
	LTE Band 12	2.20dBi
	LTE Band 13	2.20dBi
	LTE Band 17	2.20dBi



Antenna Gain:	LTE Band 25	4.07dBi
	LTE Band 26	2.20dBi
	LTE Band 30	0.22dBi
	LTE Band 41	4.07dBi
	LTE Band 66	4.07dBi
	LTE Band 71	2.20dBi

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	0.547	0.447	0.352	18M0G7D	18M2W7D	18M0W7D	
15	0.543	0.459	0.356	13M6G7D	13M5W7D	13M5W7D	
10	0.542	0.446	0.353	9M01G7D	8M97W7D	8M99W7D	
5	0.545	0.438	0.347	4M50G7D	4M51W7D	4M51W7D	
3	0.542	0.446	0.356	2M70G7D	2M71W7D	2M71W7D	
1.4	0.541	0.454	0.357	1M10G7D	1M10W7D	1M10W7D	
LTE Band 4		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.489	0.394	0.322	18M0G7D	18M0W7D	18M0W7D	
15	0.484	0.394	0.314	13M5G7D	13M5W7D	13M5W7D	
10	0.485	0.400	0.319	9M01G7D	8M98W7D	8M98W7D	
5	0.486	0.397	0.318	4M51G7D	4M51W7D	4M51W7D	
3	0.484	0.397	0.317	2M70G7D	2M71W7D	2M71W7D	
1.4	0.483	0.394	0.319	1M09G7D	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	0.211	0.174	0.137	9M01G7D	8M96W7D	8M98W7D	
5	0.209	0.174	0.134	4M50G7D	4M51W7D	4M52W7D	
3	0.210	0.173	0.138	2M70G7D	2M71W7D	2M71W7D	
1.4	0.210	0.174	0.136	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	0.490	0.394	0.313	17M9G7D	18M0W7D	18M0W7D	
15	0.484	0.393	0.310	13M5G7D	13M5W7D	13M5W7D	
10	0.488	0.392	0.313	9M02G7D	8M98W7D	8M99W7D	
5	0.484	0.387	0.317	4M51G7D	4M51W7D	4M52W7D	
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	0.214	0.178	0.139	8M99G7D	8M98W7D	9M00W7D	
5	0.212	0.174	0.137	4M51G7D	4M51W7D	4M52W7D	
3	0.211	0.174	0.140	2M70G7D	2M71W7D	2M71W7D	
1.4	0.211	0.177	0.139	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	0.214	0.169	0.140	8M99G7D	8M96W7D	8M97W7D	
5	0.212	0.174	0.139	4M51G7D	4M51W7D	4M51W7D	
LTE Band 17		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.210	0.174	0.139	9M00G7D	8M97W7D	8M99W7D	
5	0.209	0.171	0.139	4M50G7D	4M51W7D	4M52W7D	
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	0.547	0.438	0.351	17M9G7D	17M9W7D	18M0W7D	
15	0.541	0.441	0.340	13M5G7D	13M5W7D	13M5W7D	
10	0.536	0.437	0.344	9M01G7D	8M97W7D	8M99W7D	
5	0.542	0.431	0.348	4M51G7D	4M51W7D	4M52W7D	
3	0.540	0.448	0.342	2M70G7D	2M71W7D	2M71W7D	
1.4	0.538	0.442	0.348	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	0.209	0.169	0.135	13M5G7D	13M5W7D	13M4W7D	
10	0.207	0.173	0.133	9M00G7D	8M97W7D	8M99W7D	
5	0.204	0.171	0.137	4M51G7D	4M51W7D	4M52W7D	
3	0.207	0.174	0.137	2M71G7D	2M70W7D	2M71W7D	
1.4	0.208	0.174	0.137	1M10G7D	1M10W7D	1M10W7D	
LTE Band 30		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.204	0.160	0.128	9M01G7D	8M96W7D	8M98W7D	
5	0.201	0.162	0.129	4M52G7D	4M51W7D	4M52W7D	
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	0.488	0.391	0.308	18M0G7D	18M0W7D	18M0W7D	
15	0.481	0.392	0.309	13M5G7D	13M5W7D	13M5W7D	
10	0.485	0.389	0.313	9M02G7D	8M97W7D	9M00W7D	
5	0.484	0.394	0.313	4M51G7D	4M51W7D	4M52W7D	
3	0.483	0.393	0.312	2M70G7D	2M71W7D	2M71W7D	
1.4	0.482	0.393	0.311	1M10G7D	1M09W7D	1M10W7D	



LTE Band 71	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
	BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM
20	0.209	0.171	0.136	17M9G7D	18M0W7D	18M0W7D
15	0.207	0.174	0.138	13M5G7D	13M5W7D	13M5W7D
10	0.207	0.173	0.135	9M02G7D	8M98W7D	9M00W7D
5	0.207	0.174	0.132	4M51G7D	4M50W7D	4M50W7D

LTE Band 41	Maximum E.R.P./E.I.R.P. (W)					
	Power Class 2			Power Class 3		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.541	0.435	0.353	0.944	0.778	0.614
15	0.533	0.432	0.342	0.938	0.774	0.617
10	0.528	0.442	0.342	0.933	0.766	0.624
5	0.532	0.421	0.343	0.931	0.764	0.622
LTE Band 41	Emission Designator (99%OBW)					
BW(MHz)	QPSK		16QAM		64QAM	
5	4M52G7D		4M51W7D		4M52W7D	
10	8M97G7D		8M98W7D		8M97W7D	
15	13M5G7D		13M5W7D		13M4W7D	
20	17M9G7D		17M9W7D		17M9W7D	



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(a)(3) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Jun. 29, 2023	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Jul. 03, 2023	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Jul. 06, 2023	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Jul. 03, 2023	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Jul. 03, 2023	Li Huaijie	PASS	No deviation



2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Band Edge	Jul. 04, 2023	Li Huaijie	PASS	No deviation
2.1053 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Jul. 01, 2023	Li Hanbin	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 D&F&H&L&M&N Requirements

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

2.1.1. Requirement

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

According to FCC section 24.232 (c) for LTE Band 2/25, 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 5/18/19/26, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

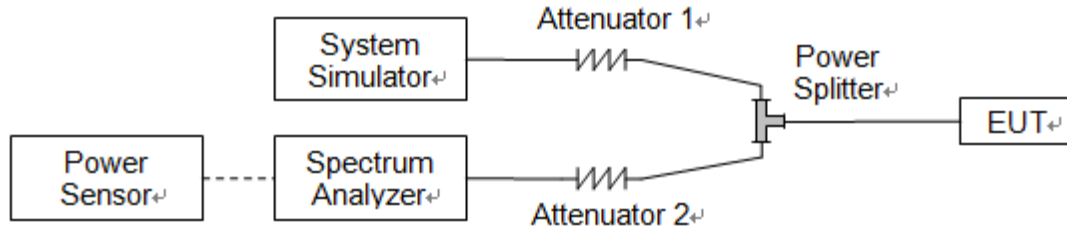
According to FCC section 27.50 (h)(2) for LTE Band 7/41, Mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

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 12/17/71, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

According to FCC section 27.50 (a)(3) for LTE Band 30, Mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average E.I.R.P. must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

2.1.2. Test Description



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

2.1.3. Test Procedure

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

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

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



2.1.4. Result

Conducted Output Power

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.31	23.20	23.18
20	QPSK	1	49	23.25	23.17	23.14
20	QPSK	1	99	23.16	23.12	23.10
20	QPSK	50	0	22.36	22.25	22.23
20	QPSK	50	24	22.24	22.20	22.15
20	QPSK	50	50	22.13	22.11	22.06
20	QPSK	100	0	22.18	22.16	22.13
20	16QAM	1	0	22.43	22.41	22.34
20	16QAM	1	49	22.29	22.30	22.21
20	16QAM	1	99	22.22	22.24	22.18
20	16QAM	50	0	21.25	21.22	21.19
20	16QAM	50	24	21.21	21.17	21.20
20	16QAM	50	50	21.14	21.02	21.12
20	16QAM	100	0	21.15	21.13	21.10
20	64QAM	1	0	21.40	21.36	21.28
20	64QAM	1	49	21.32	21.25	21.19
20	64QAM	1	99	21.26	21.23	21.21
20	64QAM	50	0	20.24	20.21	20.16
20	64QAM	50	24	20.20	20.15	20.13
20	64QAM	50	50	20.11	20.10	20.05
20	64QAM	100	0	20.18	20.16	20.14



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.28	23.23	23.17
15	QPSK	1	37	23.19	23.16	23.20
15	QPSK	1	74	23.22	23.04	23.13
15	QPSK	36	0	22.35	22.38	22.23
15	QPSK	36	20	22.20	22.07	22.12
15	QPSK	36	39	22.25	22.13	22.23
15	QPSK	75	0	22.26	22.35	22.32
15	16QAM	1	0	22.55	22.49	22.19
15	16QAM	1	37	22.34	22.51	22.44
15	16QAM	1	74	22.14	22.40	22.18
15	16QAM	36	0	21.27	21.15	21.13
15	16QAM	36	20	21.26	21.13	21.26
15	16QAM	36	39	21.18	21.02	21.22
15	16QAM	75	0	21.32	20.99	21.14
15	64QAM	1	0	21.45	21.22	21.23
15	64QAM	1	37	21.33	21.22	21.11
15	64QAM	1	74	21.28	21.27	21.22
15	64QAM	36	0	20.36	20.17	20.16
15	64QAM	36	20	20.09	19.96	20.12
15	64QAM	36	39	20.17	20.28	20.00
15	64QAM	75	0	20.26	20.04	20.10



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.27	23.23	23.19
10	QPSK	1	25	23.21	23.17	22.94
10	QPSK	1	49	23.26	23.07	23.16
10	QPSK	25	0	22.37	22.20	22.18
10	QPSK	25	12	22.29	22.34	22.14
10	QPSK	25	25	22.16	22.00	22.30
10	QPSK	50	0	22.16	22.25	22.36
10	16QAM	1	0	22.40	22.38	22.26
10	16QAM	1	25	22.19	22.10	22.42
10	16QAM	1	49	22.37	22.29	22.34
10	16QAM	25	0	21.24	21.34	21.13
10	16QAM	25	12	21.38	21.30	21.31
10	16QAM	25	25	21.14	21.27	21.32
10	16QAM	50	0	21.18	21.15	21.14
10	64QAM	1	0	21.40	21.41	21.24
10	64QAM	1	25	21.19	21.19	21.22
10	64QAM	1	49	21.25	21.08	21.20
10	64QAM	25	0	20.27	20.35	20.33
10	64QAM	25	12	20.31	20.12	20.19
10	64QAM	25	25	20.21	20.10	20.04
10	64QAM	50	0	20.31	20.12	19.98



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	23.29	23.22	23.19
5	QPSK	1	12	23.23	23.19	23.22
5	QPSK	1	24	23.28	23.15	23.17
5	QPSK	12	0	22.33	22.33	22.28
5	QPSK	12	7	22.40	22.16	22.17
5	QPSK	12	13	22.09	22.13	22.17
5	QPSK	25	0	22.21	22.19	22.00
5	16QAM	1	0	22.34	22.32	22.19
5	16QAM	1	12	22.30	22.22	22.02
5	16QAM	1	24	22.04	22.26	22.13
5	16QAM	12	0	21.37	21.24	21.17
5	16QAM	12	7	21.27	21.18	21.08
5	16QAM	12	13	21.26	20.87	21.08
5	16QAM	25	0	21.05	21.35	21.05
5	64QAM	1	0	21.20	21.27	21.19
5	64QAM	1	12	21.12	21.18	21.24
5	64QAM	1	24	21.10	21.12	21.33
5	64QAM	12	0	20.32	20.20	20.18
5	64QAM	12	7	20.06	20.08	20.19
5	64QAM	12	13	20.23	20.18	20.17
5	64QAM	25	0	20.34	20.03	20.00



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.27	23.23	23.07
3	QPSK	1	8	23.22	23.25	23.10
3	QPSK	1	14	23.19	22.95	23.08
3	QPSK	8	0	22.37	22.34	22.35
3	QPSK	8	4	22.35	22.32	21.99
3	QPSK	8	7	22.00	22.11	22.10
3	QPSK	15	0	21.98	22.21	21.96
3	16QAM	1	0	22.30	22.37	22.25
3	16QAM	1	8	22.16	22.42	22.20
3	16QAM	1	14	22.16	22.18	22.38
3	16QAM	8	0	21.42	21.32	21.09
3	16QAM	8	4	21.03	21.26	21.38
3	16QAM	8	7	21.30	21.20	21.09
3	16QAM	15	0	21.17	20.98	21.03
3	64QAM	1	0	21.45	21.35	21.16
3	64QAM	1	8	21.45	21.28	21.11
3	64QAM	1	14	21.36	21.14	21.26
3	64QAM	8	0	20.10	20.11	20.34
3	64QAM	8	4	20.17	20.34	20.23
3	64QAM	8	7	20.15	20.28	20.18
3	64QAM	15	0	20.03	20.11	20.04



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.26	23.20	23.16
1.4	QPSK	1	3	23.23	22.98	23.13
1.4	QPSK	1	5	23.06	22.99	22.90
1.4	QPSK	3	0	22.38	22.26	22.17
1.4	QPSK	3	1	22.48	22.24	22.11
1.4	QPSK	3	3	22.31	22.12	22.13
1.4	QPSK	6	0	22.06	22.15	22.32
1.4	16QAM	1	0	22.31	22.22	22.16
1.4	16QAM	1	3	22.47	22.50	22.36
1.4	16QAM	1	5	22.47	22.45	22.42
1.4	16QAM	3	0	21.15	21.26	21.10
1.4	16QAM	3	1	21.18	21.28	21.18
1.4	16QAM	3	3	21.25	21.13	21.17
1.4	16QAM	6	0	21.36	21.08	21.07
1.4	64QAM	1	0	21.41	21.17	21.23
1.4	64QAM	1	3	21.37	21.12	21.13
1.4	64QAM	1	5	21.30	21.46	21.15
1.4	64QAM	3	0	20.34	20.39	20.30
1.4	64QAM	3	1	20.11	20.13	20.29
1.4	64QAM	3	3	20.33	20.13	20.15
1.4	64QAM	6	0	20.28	20.17	20.03



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	22.82	22.80	22.76
20	QPSK	1	49	22.80	22.66	22.68
20	QPSK	1	99	22.71	22.56	22.51
20	QPSK	50	0	21.85	21.77	21.81
20	QPSK	50	24	21.74	21.78	21.80
20	QPSK	50	50	21.76	21.75	21.66
20	QPSK	100	0	21.70	21.70	21.61
20	16QAM	1	0	21.88	21.87	21.70
20	16QAM	1	49	21.70	21.83	21.61
20	16QAM	1	99	21.71	21.80	21.58
20	16QAM	50	0	20.79	20.76	20.86
20	16QAM	50	24	20.86	20.70	20.72
20	16QAM	50	50	20.56	20.66	20.54
20	16QAM	100	0	20.83	20.77	20.78
20	64QAM	1	0	20.95	20.89	20.75
20	64QAM	1	49	20.96	20.91	20.89
20	64QAM	1	99	20.86	20.76	21.01
20	64QAM	50	0	19.88	19.85	19.76
20	64QAM	50	24	19.74	19.84	19.92
20	64QAM	50	50	19.76	19.57	19.89
20	64QAM	100	0	19.84	19.77	19.54



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.78	22.75	22.72
15	QPSK	1	37	22.72	22.60	22.70
15	QPSK	1	74	22.63	22.72	22.62
15	QPSK	36	0	21.90	21.80	21.73
15	QPSK	36	20	21.88	21.74	21.77
15	QPSK	36	39	21.74	21.63	21.66
15	QPSK	75	0	21.83	21.60	21.71
15	16QAM	1	0	21.85	21.88	21.75
15	16QAM	1	37	21.78	21.85	21.63
15	16QAM	1	74	21.71	21.73	21.70
15	16QAM	36	0	20.78	20.77	20.81
15	16QAM	36	20	20.68	20.74	20.70
15	16QAM	36	39	20.64	20.65	20.53
15	16QAM	75	0	20.73	20.55	20.71
15	64QAM	1	0	20.90	20.85	20.81
15	64QAM	1	37	20.83	20.81	20.73
15	64QAM	1	74	20.84	20.65	20.76
15	64QAM	36	0	19.80	19.72	19.64
15	64QAM	36	20	19.71	19.84	19.89
15	64QAM	36	39	19.89	19.75	19.63
15	64QAM	75	0	19.82	19.81	19.79



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	22.79	22.77	22.74
10	QPSK	1	25	22.77	22.71	22.60
10	QPSK	1	49	22.61	22.54	22.75
10	QPSK	25	0	21.85	21.76	21.84
10	QPSK	25	12	21.79	21.77	21.79
10	QPSK	25	25	21.63	21.79	21.60
10	QPSK	50	0	21.84	21.76	21.78
10	16QAM	1	0	21.92	21.95	21.83
10	16QAM	1	25	21.86	21.82	21.83
10	16QAM	1	49	21.92	21.77	21.85
10	16QAM	25	0	20.65	20.84	20.63
10	16QAM	25	12	20.90	20.86	20.85
10	16QAM	25	25	20.86	20.84	20.86
10	16QAM	50	0	20.83	20.83	20.67
10	64QAM	1	0	20.84	20.81	20.90
10	64QAM	1	25	20.73	20.76	20.90
10	64QAM	1	49	20.97	20.86	20.75
10	64QAM	25	0	19.98	19.93	19.79
10	64QAM	25	12	19.86	19.73	19.62
10	64QAM	25	25	19.92	19.69	19.63
10	64QAM	50	0	19.68	19.84	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				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.80	22.79	22.72
5	QPSK	1	12	22.68	22.73	22.72
5	QPSK	1	24	22.68	22.71	22.51
5	QPSK	12	0	21.92	21.92	21.75
5	QPSK	12	7	21.73	21.82	21.69
5	QPSK	12	13	21.85	21.78	21.52
5	QPSK	25	0	21.65	21.87	21.67
5	16QAM	1	0	21.85	21.91	21.86
5	16QAM	1	12	21.79	21.92	21.72
5	16QAM	1	24	21.77	21.67	21.76
5	16QAM	12	0	20.91	20.86	20.76
5	16QAM	12	7	20.75	20.79	20.81
5	16QAM	12	13	20.67	20.84	20.77
5	16QAM	25	0	20.89	20.61	20.72
5	64QAM	1	0	20.95	20.91	20.96
5	64QAM	1	12	20.92	20.83	20.96
5	64QAM	1	24	20.84	20.85	20.91
5	64QAM	12	0	19.83	19.95	19.98
5	64QAM	12	7	19.94	19.60	19.97
5	64QAM	12	13	19.77	19.78	19.70
5	64QAM	25	0	19.80	19.86	19.85



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	22.78	22.76	22.66
3	QPSK	1	8	22.69	22.73	22.71
3	QPSK	1	14	22.65	22.64	22.67
3	QPSK	8	0	21.76	21.81	21.64
3	QPSK	8	4	21.80	21.79	21.80
3	QPSK	8	7	21.84	21.57	21.67
3	QPSK	15	0	21.76	21.76	21.64
3	16QAM	1	0	21.92	21.90	21.89
3	16QAM	1	8	21.87	21.75	21.85
3	16QAM	1	14	21.86	21.91	21.60
3	16QAM	8	0	20.92	20.84	20.77
3	16QAM	8	4	20.83	20.70	20.81
3	16QAM	8	7	20.69	20.61	20.73
3	16QAM	15	0	20.70	20.65	20.71
3	64QAM	1	0	20.94	20.92	20.75
3	64QAM	1	8	20.86	20.74	20.80
3	64QAM	1	14	20.82	20.72	20.86
3	64QAM	8	0	19.89	19.93	19.57
3	64QAM	8	4	19.85	19.79	19.76
3	64QAM	8	7	19.52	19.55	19.56
3	64QAM	15	0	19.86	19.83	19.83



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.77	22.75	22.76
1.4	QPSK	1	3	22.71	22.66	22.68
1.4	QPSK	1	5	22.72	22.74	22.65
1.4	QPSK	3	0	21.90	21.79	21.88
1.4	QPSK	3	1	21.85	21.63	21.76
1.4	QPSK	3	3	21.81	21.77	21.66
1.4	QPSK	6	0	21.82	21.87	21.75
1.4	16QAM	1	0	21.89	21.84	21.73
1.4	16QAM	1	3	21.85	21.82	21.86
1.4	16QAM	1	5	21.82	21.71	21.72
1.4	16QAM	3	0	20.71	20.90	20.69
1.4	16QAM	3	1	20.94	20.89	20.78
1.4	16QAM	3	3	20.92	20.67	20.76
1.4	16QAM	6	0	20.62	20.86	20.94
1.4	64QAM	1	0	20.80	20.87	20.73
1.4	64QAM	1	3	20.82	20.94	20.75
1.4	64QAM	1	5	20.96	20.93	20.97
1.4	64QAM	3	0	19.76	19.74	19.79
1.4	64QAM	3	1	19.91	19.56	19.72
1.4	64QAM	3	3	19.83	19.85	19.80
1.4	64QAM	6	0	19.84	19.82	19.97



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.09	23.15	23.19
10	QPSK	1	25	23.08	23.00	23.13
10	QPSK	1	49	22.91	23.13	23.16
10	QPSK	25	0	22.02	22.18	22.34
10	QPSK	25	12	22.15	22.28	22.10
10	QPSK	25	25	21.99	22.25	22.06
10	QPSK	50	0	22.11	22.14	22.20
10	16QAM	1	0	22.16	22.32	22.36
10	16QAM	1	25	22.24	22.30	22.14
10	16QAM	1	49	21.96	22.06	22.33
10	16QAM	25	0	21.03	21.06	21.17
10	16QAM	25	12	21.06	20.98	21.11
10	16QAM	25	25	20.93	21.08	21.03
10	16QAM	50	0	20.97	21.24	21.12
10	64QAM	1	0	21.22	21.31	21.25
10	64QAM	1	25	21.04	21.14	21.09
10	64QAM	1	49	21.03	21.18	21.16
10	64QAM	25	0	20.02	20.32	20.29
10	64QAM	25	12	20.17	20.11	20.15
10	64QAM	25	25	20.07	20.15	20.18
10	64QAM	50	0	20.14	20.23	20.16



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	23.06	23.11	23.16
5	QPSK	1	12	23.04	23.08	23.02
5	QPSK	1	24	23.02	23.06	23.13
5	QPSK	12	0	22.17	22.31	22.19
5	QPSK	12	7	22.24	22.11	22.12
5	QPSK	12	13	22.08	22.14	22.03
5	QPSK	25	0	21.93	22.21	22.00
5	16QAM	1	0	22.23	22.34	22.35
5	16QAM	1	12	22.22	22.17	22.08
5	16QAM	1	24	22.08	22.19	22.07
5	16QAM	12	0	21.08	21.27	21.20
5	16QAM	12	7	21.12	21.15	21.14
5	16QAM	12	13	21.12	21.09	21.19
5	16QAM	25	0	21.12	21.01	21.15
5	64QAM	1	0	21.11	21.14	21.22
5	64QAM	1	12	21.18	21.12	21.02
5	64QAM	1	24	21.16	21.23	21.19
5	64QAM	12	0	20.10	20.21	20.18
5	64QAM	12	7	20.09	19.98	20.15
5	64QAM	12	13	19.92	20.08	19.93
5	64QAM	25	0	20.07	20.19	20.14



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	23.05	23.17	23.15
3	QPSK	1	8	22.93	22.99	23.01
3	QPSK	1	14	23.01	23.06	23.07
3	QPSK	8	0	22.10	22.07	22.27
3	QPSK	8	4	22.10	22.35	22.12
3	QPSK	8	7	21.94	22.02	22.14
3	QPSK	15	0	22.15	22.18	22.20
3	16QAM	1	0	22.21	22.33	22.19
3	16QAM	1	8	22.05	22.29	22.14
3	16QAM	1	14	22.10	22.14	22.32
3	16QAM	8	0	21.15	21.31	21.31
3	16QAM	8	4	20.95	21.29	21.23
3	16QAM	8	7	21.10	21.10	21.21
3	16QAM	15	0	21.09	21.23	21.12
3	64QAM	1	0	21.25	21.28	21.36
3	64QAM	1	8	21.05	21.06	21.07
3	64QAM	1	14	21.10	21.09	21.26
3	64QAM	8	0	20.20	20.29	20.21
3	64QAM	8	4	20.09	20.13	20.10
3	64QAM	8	7	20.07	20.06	20.05
3	64QAM	15	0	20.03	20.01	19.98



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	23.12	23.14	23.17
1.4	QPSK	1	3	23.08	23.06	23.15
1.4	QPSK	1	5	22.92	22.96	23.02
1.4	QPSK	3	0	22.10	22.18	22.09
1.4	QPSK	3	1	22.12	22.03	22.08
1.4	QPSK	3	3	22.08	22.02	22.15
1.4	QPSK	6	0	21.88	22.02	22.00
1.4	16QAM	1	0	22.09	22.36	22.28
1.4	16QAM	1	3	22.16	22.14	22.16
1.4	16QAM	1	5	22.14	22.14	22.28
1.4	16QAM	3	0	21.00	21.27	21.03
1.4	16QAM	3	1	21.20	21.21	21.29
1.4	16QAM	3	3	21.06	21.11	21.13
1.4	16QAM	6	0	21.02	21.05	21.25
1.4	64QAM	1	0	21.28	21.26	21.15
1.4	64QAM	1	3	21.05	21.20	21.20
1.4	64QAM	1	5	21.09	21.27	21.08
1.4	64QAM	3	0	20.01	20.14	20.15
1.4	64QAM	3	1	20.07	20.16	20.01
1.4	64QAM	3	3	20.05	20.13	20.18
1.4	64QAM	6	0	20.16	20.26	20.21



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	22.77	22.83	22.75
20	QPSK	1	49	22.79	22.72	22.67
20	QPSK	1	99	22.67	22.72	22.75
20	QPSK	50	0	21.72	21.94	21.84
20	QPSK	50	24	21.66	21.82	21.85
20	QPSK	50	50	21.66	21.78	21.68
20	QPSK	100	0	21.63	21.85	21.88
20	16QAM	1	0	21.74	21.88	21.79
20	16QAM	1	49	21.69	21.77	21.85
20	16QAM	1	99	21.75	21.82	21.78
20	16QAM	50	0	20.76	20.86	20.83
20	16QAM	50	24	20.80	20.81	20.81
20	16QAM	50	50	20.57	20.50	20.78
20	16QAM	100	0	20.63	20.58	20.69
20	64QAM	1	0	20.71	20.89	20.80
20	64QAM	1	49	20.73	20.69	20.77
20	64QAM	1	99	20.59	20.67	20.63
20	64QAM	50	0	19.70	19.78	19.70
20	64QAM	50	24	19.71	19.84	19.68
20	64QAM	50	50	19.52	19.71	19.71
20	64QAM	100	0	19.75	19.63	19.75



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	22.71	22.78	22.74
15	QPSK	1	37	22.73	22.69	22.57
15	QPSK	1	74	22.50	22.70	22.66
15	QPSK	36	0	21.74	21.84	21.88
15	QPSK	36	20	21.67	21.77	21.78
15	QPSK	36	39	21.56	21.61	21.61
15	QPSK	75	0	21.67	21.81	21.68
15	16QAM	1	0	21.87	21.78	21.75
15	16QAM	1	37	21.58	21.64	21.63
15	16QAM	1	74	21.64	21.69	21.62
15	16QAM	36	0	20.85	20.85	20.72
15	16QAM	36	20	20.59	20.63	20.68
15	16QAM	36	39	20.69	20.56	20.73
15	16QAM	75	0	20.55	20.60	20.58
15	64QAM	1	0	20.68	20.85	20.74
15	64QAM	1	37	20.64	20.77	20.69
15	64QAM	1	74	20.79	20.72	20.75
15	64QAM	36	0	19.79	19.64	19.61
15	64QAM	36	20	19.56	19.64	19.60
15	64QAM	36	39	19.57	19.60	19.58
15	64QAM	75	0	19.50	19.69	19.66



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	22.69	22.76	22.81
10	QPSK	1	25	22.60	22.67	22.60
10	QPSK	1	49	22.62	22.61	22.68
10	QPSK	25	0	21.84	21.79	21.69
10	QPSK	25	12	21.51	21.71	21.84
10	QPSK	25	25	21.52	21.60	21.77
10	QPSK	50	0	21.55	21.78	21.68
10	16QAM	1	0	21.81	21.86	21.80
10	16QAM	1	25	21.61	21.74	21.72
10	16QAM	1	49	21.72	21.70	21.71
10	16QAM	25	0	20.72	20.78	20.73
10	16QAM	25	12	20.63	20.78	20.72
10	16QAM	25	25	20.60	20.42	20.57
10	16QAM	50	0	20.63	20.84	20.81
10	64QAM	1	0	20.83	20.78	20.88
10	64QAM	1	25	20.58	20.78	20.76
10	64QAM	1	49	20.86	20.68	20.75
10	64QAM	25	0	19.73	19.83	19.84
10	64QAM	25	12	19.56	19.56	19.71
10	64QAM	25	25	19.56	19.76	19.59
10	64QAM	50	0	19.63	19.85	19.61



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	22.70	22.75	22.72
5	QPSK	1	12	22.63	22.61	22.78
5	QPSK	1	24	22.56	22.63	22.72
5	QPSK	12	0	21.72	21.65	21.80
5	QPSK	12	7	21.50	21.62	21.75
5	QPSK	12	13	21.67	21.61	21.67
5	QPSK	25	0	21.68	21.59	21.53
5	16QAM	1	0	21.79	21.81	21.78
5	16QAM	1	12	21.63	21.77	21.77
5	16QAM	1	24	21.57	21.65	21.72
5	16QAM	12	0	20.74	20.78	20.67
5	16QAM	12	7	20.61	20.82	20.72
5	16QAM	12	13	20.63	20.53	20.78
5	16QAM	25	0	20.68	20.65	20.68
5	64QAM	1	0	20.80	20.94	20.81
5	64QAM	1	12	20.87	20.66	20.79
5	64QAM	1	24	20.73	20.80	20.78
5	64QAM	12	0	19.80	19.82	19.72
5	64QAM	12	7	19.72	19.66	19.71
5	64QAM	12	13	19.61	19.72	19.61
5	64QAM	25	0	19.50	19.58	19.74



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	23.17	23.13	23.25
10	QPSK	1	25	23.20	23.17	23.12
10	QPSK	1	49	23.12	23.06	23.22
10	QPSK	25	0	22.34	22.31	22.40
10	QPSK	25	12	22.19	22.26	22.15
10	QPSK	25	25	22.11	22.24	22.10
10	QPSK	50	0	22.26	22.19	22.17
10	16QAM	1	0	22.21	22.41	22.45
10	16QAM	1	25	22.28	22.23	22.36
10	16QAM	1	49	22.31	22.33	22.23
10	16QAM	25	0	21.31	21.15	21.35
10	16QAM	25	12	21.07	21.36	21.12
10	16QAM	25	25	21.13	21.05	21.26
10	16QAM	50	0	21.22	21.32	21.21
10	64QAM	1	0	21.25	21.35	21.39
10	64QAM	1	25	21.24	21.30	21.22
10	64QAM	1	49	21.14	21.31	21.28
10	64QAM	25	0	20.29	20.22	20.26
10	64QAM	25	12	20.24	20.31	20.34
10	64QAM	25	25	20.17	20.29	20.22
10	64QAM	50	0	20.10	20.22	20.10



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	23.13	23.12	23.22
5	QPSK	1	12	23.19	23.15	23.19
5	QPSK	1	24	23.19	23.17	23.14
5	QPSK	12	0	22.12	22.15	22.26
5	QPSK	12	7	22.10	22.21	22.14
5	QPSK	12	13	22.03	22.22	22.18
5	QPSK	25	0	22.14	22.07	22.12
5	16QAM	1	0	22.35	22.35	22.30
5	16QAM	1	12	22.28	22.21	22.32
5	16QAM	1	24	22.24	22.32	22.18
5	16QAM	12	0	21.15	21.13	21.18
5	16QAM	12	7	20.97	21.16	21.28
5	16QAM	12	13	21.14	21.07	21.26
5	16QAM	25	0	20.99	21.24	21.05
5	64QAM	1	0	21.24	21.26	21.32
5	64QAM	1	12	21.22	21.18	21.17
5	64QAM	1	24	21.23	21.17	21.16
5	64QAM	12	0	20.10	20.11	20.37
5	64QAM	12	7	20.05	20.19	20.29
5	64QAM	12	13	20.07	20.04	20.05
5	64QAM	25	0	20.06	20.25	20.22



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.16	23.20	23.20
3	QPSK	1	8	23.15	23.05	23.18
3	QPSK	1	14	23.05	23.12	23.02
3	QPSK	8	0	22.16	22.20	22.14
3	QPSK	8	4	22.10	22.23	22.17
3	QPSK	8	7	22.19	22.20	22.10
3	QPSK	15	0	22.03	22.16	22.18
3	16QAM	1	0	22.24	22.29	22.35
3	16QAM	1	8	22.16	22.33	22.36
3	16QAM	1	14	22.07	22.36	22.31
3	16QAM	8	0	21.07	21.38	21.12
3	16QAM	8	4	21.30	21.31	21.33
3	16QAM	8	7	21.12	21.15	21.20
3	16QAM	15	0	21.11	21.03	21.01
3	64QAM	1	0	21.31	21.36	21.24
3	64QAM	1	8	21.26	21.29	21.41
3	64QAM	1	14	21.11	21.36	21.37
3	64QAM	8	0	20.31	20.11	20.20
3	64QAM	8	4	20.01	20.31	20.34
3	64QAM	8	7	20.05	20.20	20.15
3	64QAM	15	0	20.03	20.36	20.19



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	23.16	23.17	23.19
1.4	QPSK	1	3	23.07	23.17	23.07
1.4	QPSK	1	5	23.05	23.07	23.18
1.4	QPSK	3	0	22.28	22.33	22.34
1.4	QPSK	3	1	22.26	22.30	22.31
1.4	QPSK	3	3	22.23	22.13	22.17
1.4	QPSK	6	0	22.28	22.39	22.17
1.4	16QAM	1	0	22.27	22.33	22.42
1.4	16QAM	1	3	22.07	22.34	22.37
1.4	16QAM	1	5	22.09	22.33	22.40
1.4	16QAM	3	0	21.15	21.19	21.20
1.4	16QAM	3	1	21.12	21.13	21.29
1.4	16QAM	3	3	21.10	21.25	21.27
1.4	16QAM	6	0	21.21	21.09	21.02
1.4	64QAM	1	0	21.27	21.25	21.37
1.4	64QAM	1	3	21.12	21.29	21.28
1.4	64QAM	1	5	21.08	21.19	21.13
1.4	64QAM	3	0	20.03	20.27	20.18
1.4	64QAM	3	1	20.14	20.20	20.13
1.4	64QAM	3	3	20.20	20.06	20.24
1.4	64QAM	6	0	20.09	20.26	20.31



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	/	23.26	/
10	QPSK	1	25	/	23.10	/
10	QPSK	1	49	/	23.04	/
10	QPSK	25	0	/	22.34	/
10	QPSK	25	12	/	22.03	/
10	QPSK	25	25	/	22.01	/
10	QPSK	50	0	/	22.14	/
10	16QAM	1	0	/	22.18	/
10	16QAM	1	25	/	22.18	/
10	16QAM	1	49	/	22.23	/
10	16QAM	25	0	/	21.14	/
10	16QAM	25	12	/	21.17	/
10	16QAM	25	25	/	21.09	/
10	16QAM	50	0	/	21.04	/
10	64QAM	1	0	/	21.40	/
10	64QAM	1	25	/	21.13	/
10	64QAM	1	49	/	21.05	/
10	64QAM	25	0	/	20.33	/
10	64QAM	25	12	/	20.09	/
10	64QAM	25	25	/	20.04	/
10	64QAM	50	0	/	20.14	/



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	23.21	23.22	23.18
5	QPSK	1	12	23.01	23.17	23.17
5	QPSK	1	24	23.09	23.08	23.06
5	QPSK	12	0	22.32	22.39	22.31
5	QPSK	12	7	22.12	22.13	22.13
5	QPSK	12	13	22.20	22.26	22.01
5	QPSK	25	0	22.27	22.21	22.20
5	16QAM	1	0	22.35	22.36	22.32
5	16QAM	1	12	22.24	22.31	22.16
5	16QAM	1	24	22.26	22.32	22.13
5	16QAM	12	0	21.24	21.25	21.11
5	16QAM	12	7	21.18	21.11	21.22
5	16QAM	12	13	21.06	21.17	21.20
5	16QAM	25	0	20.97	21.18	21.11
5	64QAM	1	0	21.16	21.33	21.32
5	64QAM	1	12	21.38	21.23	21.22
5	64QAM	1	24	21.10	21.31	21.17
5	64QAM	12	0	20.08	20.18	20.09
5	64QAM	12	7	20.07	20.15	20.08
5	64QAM	12	13	20.11	20.06	20.10
5	64QAM	25	0	20.27	20.17	20.30



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	23.05	23.18	23.15
10	QPSK	1	25	23.11	23.10	23.11
10	QPSK	1	49	23.14	23.11	23.06
10	QPSK	25	0	22.15	22.25	22.22
10	QPSK	25	12	22.18	22.13	22.03
10	QPSK	25	25	22.06	22.19	21.98
10	QPSK	50	0	21.99	21.99	22.07
10	16QAM	1	0	22.13	22.36	22.26
10	16QAM	1	25	22.10	22.35	22.20
10	16QAM	1	49	22.04	22.15	22.12
10	16QAM	25	0	21.25	21.23	21.21
10	16QAM	25	12	21.08	21.09	21.20
10	16QAM	25	25	21.02	21.08	21.24
10	16QAM	50	0	21.07	20.96	21.03
10	64QAM	1	0	21.20	21.38	21.38
10	64QAM	1	25	21.17	21.28	21.09
10	64QAM	1	49	21.03	21.06	21.16
10	64QAM	25	0	20.15	20.11	20.08
10	64QAM	25	12	20.02	20.14	20.19
10	64QAM	25	25	20.02	20.05	20.11
10	64QAM	50	0	20.08	20.10	20.13



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	23.09	23.15	23.07
5	QPSK	1	12	23.10	23.07	23.01
5	QPSK	1	24	22.96	23.06	23.12
5	QPSK	12	0	22.09	22.31	22.14
5	QPSK	12	7	22.13	22.22	22.04
5	QPSK	12	13	22.09	22.06	22.07
5	QPSK	25	0	22.10	22.22	22.21
5	16QAM	1	0	22.25	22.28	22.20
5	16QAM	1	12	22.04	22.29	22.14
5	16QAM	1	24	22.06	22.19	22.03
5	16QAM	12	0	21.14	21.25	21.22
5	16QAM	12	7	21.16	21.05	21.22
5	16QAM	12	13	21.00	21.11	21.23
5	16QAM	25	0	21.02	21.02	20.97
5	64QAM	1	0	21.26	21.39	21.33
5	64QAM	1	12	21.31	21.26	21.07
5	64QAM	1	24	21.05	21.08	21.07
5	64QAM	12	0	20.01	20.22	20.10
5	64QAM	12	7	20.12	20.19	20.24
5	64QAM	12	13	20.10	20.17	20.13
5	64QAM	25	0	20.09	20.05	20.24



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	23.21	23.31	23.18
20	QPSK	1	49	23.11	23.09	23.20
20	QPSK	1	99	23.06	23.18	23.16
20	QPSK	50	0	22.26	22.38	22.13
20	QPSK	50	24	22.06	22.03	22.09
20	QPSK	50	50	22.08	22.09	22.06
20	QPSK	100	0	22.09	22.02	22.10
20	16QAM	1	0	22.18	22.27	22.32
20	16QAM	1	49	22.17	22.34	22.22
20	16QAM	1	99	22.09	22.31	22.29
20	16QAM	50	0	21.06	21.20	21.09
20	16QAM	50	24	21.04	21.02	21.33
20	16QAM	50	50	21.05	21.16	21.05
20	16QAM	100	0	21.08	21.10	21.01
20	64QAM	1	0	21.09	21.20	21.36
20	64QAM	1	49	21.07	21.32	21.13
20	64QAM	1	99	21.18	21.38	21.33
20	64QAM	50	0	20.12	20.38	20.30
20	64QAM	50	24	20.08	20.06	20.27
20	64QAM	50	50	20.02	20.15	20.18
20	64QAM	100	0	20.06	20.18	20.22



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	23.22	23.26	23.17
15	QPSK	1	37	23.10	23.13	23.20
15	QPSK	1	74	23.04	23.06	23.00
15	QPSK	36	0	22.08	22.39	22.25
15	QPSK	36	20	22.24	22.08	22.06
15	QPSK	36	39	22.05	22.04	22.10
15	QPSK	75	0	22.15	22.10	22.16
15	16QAM	1	0	22.22	22.37	22.31
15	16QAM	1	37	22.11	22.31	22.24
15	16QAM	1	74	22.07	22.10	22.10
15	16QAM	36	0	21.21	21.21	21.10
15	16QAM	36	20	21.13	21.09	21.14
15	16QAM	36	39	21.08	21.04	21.23
15	16QAM	75	0	21.20	21.27	21.09
15	64QAM	1	0	21.21	21.25	21.19
15	64QAM	1	37	21.14	21.21	21.23
15	64QAM	1	74	21.24	21.10	21.18
15	64QAM	36	0	19.96	20.19	20.16
15	64QAM	36	20	19.86	20.15	19.99
15	64QAM	36	39	19.86	20.10	20.12
15	64QAM	75	0	20.08	20.13	20.10



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	23.20	23.22	23.11
10	QPSK	1	25	23.10	23.17	23.17
10	QPSK	1	49	23.02	23.16	23.01
10	QPSK	25	0	22.09	22.38	22.10
10	QPSK	25	12	22.06	22.25	22.08
10	QPSK	25	25	22.09	22.10	22.13
10	QPSK	50	0	22.17	22.16	22.05
10	16QAM	1	0	22.09	22.33	22.32
10	16QAM	1	25	22.10	22.26	22.10
10	16QAM	1	49	22.17	22.19	22.22
10	16QAM	25	0	21.17	21.35	21.14
10	16QAM	25	12	21.00	21.01	21.00
10	16QAM	25	25	21.09	21.08	21.23
10	16QAM	50	0	21.10	21.14	21.10
10	64QAM	1	0	21.21	21.30	21.25
10	64QAM	1	25	21.30	21.07	21.11
10	64QAM	1	49	21.09	21.15	21.26
10	64QAM	25	0	20.14	20.28	20.30
10	64QAM	25	12	20.07	20.25	20.03
10	64QAM	25	25	20.06	20.02	20.01
10	64QAM	50	0	20.09	20.05	20.07



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	23.07	23.23	23.10
5	QPSK	1	12	23.19	23.19	22.97
5	QPSK	1	24	23.01	23.27	22.98
5	QPSK	12	0	22.31	22.32	22.25
5	QPSK	12	7	22.21	22.29	22.05
5	QPSK	12	13	22.08	22.18	22.10
5	QPSK	25	0	21.94	21.96	22.21
5	16QAM	1	0	22.25	22.21	22.26
5	16QAM	1	12	22.23	22.23	22.17
5	16QAM	1	24	22.03	22.13	22.27
5	16QAM	12	0	21.21	21.31	21.24
5	16QAM	12	7	21.20	21.06	21.06
5	16QAM	12	13	21.11	21.06	21.13
5	16QAM	25	0	21.03	21.14	21.07
5	64QAM	1	0	21.35	21.30	21.25
5	64QAM	1	12	21.13	21.22	21.33
5	64QAM	1	24	21.12	21.31	21.24
5	64QAM	12	0	20.06	20.20	20.08
5	64QAM	12	7	20.10	20.15	20.15
5	64QAM	12	13	20.05	20.03	20.14
5	64QAM	25	0	20.06	20.03	20.10



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	23.14	23.23	23.13
3	QPSK	1	8	23.08	23.21	23.11
3	QPSK	1	14	23.02	23.25	23.15
3	QPSK	8	0	22.34	22.17	22.19
3	QPSK	8	4	22.03	22.18	22.26
3	QPSK	8	7	21.91	22.03	22.10
3	QPSK	15	0	22.11	21.96	22.27
3	16QAM	1	0	22.39	22.44	22.19
3	16QAM	1	8	22.09	22.38	22.16
3	16QAM	1	14	22.01	22.12	22.08
3	16QAM	8	0	21.06	21.13	21.10
3	16QAM	8	4	21.01	21.04	21.28
3	16QAM	8	7	20.90	21.10	20.97
3	16QAM	15	0	20.92	21.03	21.15
3	64QAM	1	0	21.10	21.20	21.11
3	64QAM	1	8	21.27	21.09	21.04
3	64QAM	1	14	20.92	21.08	21.19
3	64QAM	8	0	20.19	20.11	19.98
3	64QAM	8	4	20.05	20.22	19.98
3	64QAM	8	7	19.77	20.20	20.15
3	64QAM	15	0	20.12	20.10	20.29



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	23.18	23.24	23.03
1.4	QPSK	1	3	22.92	23.14	23.15
1.4	QPSK	1	5	23.14	23.11	23.13
1.4	QPSK	3	0	22.31	22.33	22.17
1.4	QPSK	3	1	22.15	22.33	22.11
1.4	QPSK	3	3	22.12	22.13	22.15
1.4	QPSK	6	0	22.01	22.25	22.16
1.4	16QAM	1	0	22.15	22.29	22.28
1.4	16QAM	1	3	22.03	22.10	22.18
1.4	16QAM	1	5	22.08	22.38	22.25
1.4	16QAM	3	0	21.12	21.37	21.24
1.4	16QAM	3	1	21.06	21.29	21.11
1.4	16QAM	3	3	21.11	21.03	21.13
1.4	16QAM	6	0	21.11	21.27	21.14
1.4	64QAM	1	0	21.33	21.20	21.14
1.4	64QAM	1	3	21.07	21.34	21.10
1.4	64QAM	1	5	21.11	21.18	21.29
1.4	64QAM	3	0	20.10	20.05	20.19
1.4	64QAM	3	1	20.04	20.19	20.21
1.4	64QAM	3	3	20.13	20.21	20.01
1.4	64QAM	6	0	20.14	20.27	19.99



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	23.16	23.09	23.09
15	QPSK	1	37	23.05	22.96	22.90
15	QPSK	1	74	23.03	23.00	22.98
15	QPSK	36	0	22.25	22.08	21.93
15	QPSK	36	20	22.18	22.10	22.13
15	QPSK	36	39	22.09	22.00	21.99
15	QPSK	75	0	22.20	22.16	22.12
15	16QAM	1	0	22.23	22.14	22.07
15	16QAM	1	37	22.21	22.13	22.10
15	16QAM	1	74	22.08	22.10	22.15
15	16QAM	36	0	21.15	21.11	21.11
15	16QAM	36	20	20.91	20.94	21.00
15	16QAM	36	39	20.96	20.90	20.92
15	16QAM	75	0	20.88	20.90	20.95
15	64QAM	1	0	21.25	21.12	21.09
15	64QAM	1	37	21.01	21.02	21.06
15	64QAM	1	74	21.07	20.99	21.01
15	64QAM	36	0	20.06	20.06	20.15
15	64QAM	36	20	20.16	20.00	19.90
15	64QAM	36	39	19.98	20.00	20.07
15	64QAM	75	0	20.11	20.05	20.04



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	23.03	23.01	23.12
10	QPSK	1	25	23.02	23.00	23.04
10	QPSK	1	49	23.09	23.04	23.10
10	QPSK	25	0	22.04	22.06	22.10
10	QPSK	25	12	21.83	21.80	21.89
10	QPSK	25	25	21.94	21.87	21.95
10	QPSK	50	0	21.96	21.90	22.01
10	16QAM	1	0	22.23	22.28	22.32
10	16QAM	1	25	22.00	22.01	22.07
10	16QAM	1	49	22.06	22.08	22.17
10	16QAM	25	0	21.15	21.12	21.16
10	16QAM	25	12	20.94	20.96	20.99
10	16QAM	25	25	20.79	20.84	20.88
10	16QAM	50	0	21.00	21.00	21.05
10	64QAM	1	0	21.10	21.16	21.19
10	64QAM	1	25	21.16	21.10	21.17
10	64QAM	1	49	21.02	21.02	21.07
10	64QAM	25	0	19.93	19.94	20.02
10	64QAM	25	12	19.83	19.84	19.91
10	64QAM	25	25	19.81	19.86	19.90
10	64QAM	50	0	20.06	20.07	20.08



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26815	26915	27015
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.93	22.99	23.05
5	QPSK	1	12	22.83	22.83	22.86
5	QPSK	1	24	22.86	22.86	22.87
5	QPSK	12	0	22.15	22.22	22.25
5	QPSK	12	7	21.86	21.82	21.90
5	QPSK	12	13	21.94	21.84	21.96
5	QPSK	25	0	21.84	21.88	21.95
5	16QAM	1	0	22.19	22.24	22.27
5	16QAM	1	12	21.91	21.86	21.98
5	16QAM	1	24	22.09	22.17	22.19
5	16QAM	12	0	21.08	21.04	21.11
5	16QAM	12	7	21.01	20.96	21.04
5	16QAM	12	13	20.84	20.82	20.93
5	16QAM	25	0	20.90	20.93	20.94
5	64QAM	1	0	21.24	21.22	21.33
5	64QAM	1	12	21.10	21.12	21.19
5	64QAM	1	24	20.92	20.99	21.03
5	64QAM	12	0	20.01	20.00	20.03
5	64QAM	12	7	20.00	20.01	20.02
5	64QAM	12	13	20.03	19.93	20.05
5	64QAM	25	0	20.04	19.97	20.09



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	23.02	23.07	23.10
3	QPSK	1	8	23.01	22.94	23.06
3	QPSK	1	14	23.02	22.97	23.03
3	QPSK	8	0	22.04	22.01	22.06
3	QPSK	8	4	22.06	22.02	22.10
3	QPSK	8	7	21.78	21.84	21.90
3	QPSK	15	0	22.01	22.07	22.08
3	16QAM	1	0	22.29	22.27	22.35
3	16QAM	1	8	21.96	21.96	22.07
3	16QAM	1	14	22.08	22.06	22.18
3	16QAM	8	0	21.05	21.12	21.16
3	16QAM	8	4	21.17	21.21	21.23
3	16QAM	8	7	21.07	21.06	21.08
3	16QAM	15	0	20.83	20.82	20.86
3	64QAM	1	0	21.23	21.21	21.33
3	64QAM	1	8	21.08	21.09	21.17
3	64QAM	1	14	20.95	20.89	21.01
3	64QAM	8	0	19.81	19.78	19.86
3	64QAM	8	4	20.01	19.93	20.03
3	64QAM	8	7	19.94	19.99	20.00
3	64QAM	15	0	20.08	20.04	20.09



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	23.04	23.02	23.14
1.4	QPSK	1	3	22.88	22.86	22.98
1.4	QPSK	1	5	22.96	22.94	22.97
1.4	QPSK	3	0	22.12	22.13	22.16
1.4	QPSK	3	1	22.10	22.11	22.19
1.4	QPSK	3	3	22.00	21.91	22.02
1.4	QPSK	6	0	21.83	21.81	21.86
1.4	16QAM	1	0	22.23	22.25	22.35
1.4	16QAM	1	3	22.00	22.02	22.04
1.4	16QAM	1	5	21.95	21.99	22.06
1.4	16QAM	3	0	21.00	21.04	21.05
1.4	16QAM	3	1	21.02	21.03	21.04
1.4	16QAM	3	3	21.04	21.11	21.16
1.4	16QAM	6	0	20.77	20.79	20.84
1.4	64QAM	1	0	21.21	21.21	21.32
1.4	64QAM	1	3	20.87	20.87	20.98
1.4	64QAM	1	5	21.04	21.03	21.14
1.4	64QAM	3	0	20.01	20.05	20.07
1.4	64QAM	3	1	20.16	20.09	20.18
1.4	64QAM	3	3	19.98	19.91	20.03
1.4	64QAM	6	0	20.11	20.13	20.18



LTE Band 30						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	27710	/
Frequency (MHz)				/	2310	/
10	QPSK	1	0	/	22.87	/
10	QPSK	1	25	/	22.82	/
10	QPSK	1	49	/	22.81	/
10	QPSK	25	0	/	21.73	/
10	QPSK	25	12	/	21.81	/
10	QPSK	25	25	/	21.52	/
10	QPSK	50	0	/	21.78	/
10	16QAM	1	0	/	21.81	/
10	16QAM	1	25	/	21.71	/
10	16QAM	1	49	/	21.69	/
10	16QAM	25	0	/	20.73	/
10	16QAM	25	12	/	20.62	/
10	16QAM	25	25	/	20.66	/
10	16QAM	50	0	/	20.71	/
10	64QAM	1	0	/	20.82	/
10	64QAM	1	25	/	20.85	/
10	64QAM	1	49	/	20.79	/
10	64QAM	25	0	/	19.78	/
10	64QAM	25	12	/	19.84	/
10	64QAM	25	25	/	19.79	/
10	64QAM	50	0	/	19.72	/



LTE Band 30						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				27685	27710	27735
Frequency (MHz)				2307.5	2310	2312.5
5	QPSK	1	0	22.76	22.82	22.74
5	QPSK	1	12	22.65	22.80	22.66
5	QPSK	1	24	22.50	22.71	22.68
5	QPSK	12	0	21.83	21.88	21.81
5	QPSK	12	7	21.65	21.68	21.74
5	QPSK	12	13	21.61	21.82	21.51
5	QPSK	25	0	21.52	21.87	21.85
5	16QAM	1	0	21.78	21.85	21.87
5	16QAM	1	12	21.81	21.82	21.67
5	16QAM	1	24	21.59	21.73	21.68
5	16QAM	12	0	20.71	20.86	20.89
5	16QAM	12	7	20.86	20.80	20.81
5	16QAM	12	13	20.66	20.78	20.66
5	16QAM	25	0	20.66	20.88	20.57
5	64QAM	1	0	20.71	20.87	20.81
5	64QAM	1	12	20.80	20.81	20.70
5	64QAM	1	24	20.56	20.75	20.68
5	64QAM	12	0	19.84	19.91	19.75
5	64QAM	12	7	19.62	19.68	19.61
5	64QAM	12	13	19.59	19.87	19.64
5	64QAM	25	0	19.69	19.63	19.76



LTE Band 41 (Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	23.20	23.26	23.15
20	QPSK	1	49	23.05	23.10	23.03
20	QPSK	1	99	23.06	23.11	23.00
20	QPSK	50	0	22.27	22.33	22.18
20	QPSK	50	24	22.07	22.19	22.02
20	QPSK	50	50	22.14	22.09	22.06
20	QPSK	100	0	22.09	22.10	21.89
20	16QAM	1	0	22.25	22.31	22.17
20	16QAM	1	49	22.25	22.11	22.06
20	16QAM	1	99	22.19	22.00	22.16
20	16QAM	50	0	21.02	21.22	21.08
20	16QAM	50	24	20.99	21.07	21.06
20	16QAM	50	50	20.90	21.10	21.01
20	16QAM	100	0	21.02	21.07	20.95
20	64QAM	1	0	21.20	21.41	21.37
20	64QAM	1	49	21.25	21.26	21.05
20	64QAM	1	99	21.19	21.09	21.03
20	64QAM	50	0	19.94	20.15	20.18
20	64QAM	50	24	19.86	20.13	19.88
20	64QAM	50	50	20.14	19.99	19.81
20	64QAM	100	0	19.86	19.87	19.93



LTE Band 41 (Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	23.05	23.20	23.04
15	QPSK	1	37	22.89	22.97	22.97
15	QPSK	1	74	22.88	23.14	22.98
15	QPSK	36	0	22.28	22.23	22.01
15	QPSK	36	20	22.06	22.19	21.94
15	QPSK	36	39	21.98	22.04	21.92
15	QPSK	75	0	22.19	21.91	22.03
15	16QAM	1	0	22.16	22.28	22.17
15	16QAM	1	37	22.20	22.27	22.23
15	16QAM	1	74	22.20	22.12	22.26
15	16QAM	36	0	20.95	21.15	21.08
15	16QAM	36	20	20.95	21.18	21.13
15	16QAM	36	39	20.84	20.87	20.96
15	16QAM	75	0	21.16	21.17	21.01
15	64QAM	1	0	21.02	21.07	21.11
15	64QAM	1	37	21.27	21.08	21.22
15	64QAM	1	74	20.93	21.17	21.05
15	64QAM	36	0	20.09	20.24	20.26
15	64QAM	36	20	20.19	20.06	20.13
15	64QAM	36	39	19.93	20.15	20.08
15	64QAM	75	0	20.19	20.21	19.97



LTE Band 41 (Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	23.14	23.16	23.01
10	QPSK	1	25	22.89	22.97	23.03
10	QPSK	1	49	22.89	23.05	22.93
10	QPSK	25	0	22.12	22.16	22.20
10	QPSK	25	12	22.24	22.04	21.90
10	QPSK	25	25	22.05	22.15	22.06
10	QPSK	50	0	22.15	22.00	22.10
10	16QAM	1	0	22.35	22.38	22.35
10	16QAM	1	25	22.17	22.04	22.03
10	16QAM	1	49	22.09	22.24	22.26
10	16QAM	25	0	20.97	21.15	21.04
10	16QAM	25	12	21.19	20.95	21.12
10	16QAM	25	25	20.95	20.99	20.93
10	16QAM	50	0	20.89	21.15	20.89
10	64QAM	1	0	21.27	21.19	21.16
10	64QAM	1	25	21.18	21.03	21.05
10	64QAM	1	49	21.07	21.18	21.13
10	64QAM	25	0	20.07	20.21	20.18
10	64QAM	25	12	20.16	19.98	19.87
10	64QAM	25	25	19.90	20.11	19.95
10	64QAM	50	0	20.12	19.96	20.07



LTE Band 41 (Power Class 2)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	23.12	23.19	22.99
5	QPSK	1	12	23.02	23.19	22.95
5	QPSK	1	24	23.12	23.08	23.03
5	QPSK	12	0	22.09	22.23	22.09
5	QPSK	12	7	22.11	22.05	22.21
5	QPSK	12	13	21.95	22.00	22.11
5	QPSK	25	0	22.15	22.18	22.14
5	16QAM	1	0	22.14	22.11	22.13
5	16QAM	1	12	22.02	22.05	22.01
5	16QAM	1	24	22.17	22.16	21.95
5	16QAM	12	0	21.16	21.00	21.13
5	16QAM	12	7	20.90	20.95	21.12
5	16QAM	12	13	21.01	21.04	21.04
5	16QAM	25	0	20.95	21.15	20.84
5	64QAM	1	0	21.22	21.15	21.09
5	64QAM	1	12	21.28	21.25	21.08
5	64QAM	1	24	21.16	21.04	21.02
5	64QAM	12	0	19.97	20.05	20.16
5	64QAM	12	7	20.14	20.13	20.00
5	64QAM	12	13	20.14	20.09	20.15
5	64QAM	25	0	20.02	20.01	20.04



LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	25.60	25.68	25.42
20	QPSK	1	49	25.63	25.40	25.55
20	QPSK	1	99	25.42	25.54	25.47
20	QPSK	50	0	24.61	24.80	24.60
20	QPSK	50	24	24.65	24.65	24.70
20	QPSK	50	50	24.58	24.62	24.57
20	QPSK	100	0	24.65	24.52	24.69
20	16QAM	1	0	24.55	24.64	24.70
20	16QAM	1	49	24.84	24.68	24.56
20	16QAM	1	99	24.52	24.67	24.72
20	16QAM	50	0	23.62	23.61	23.67
20	16QAM	50	24	23.58	23.46	23.43
20	16QAM	50	50	23.49	23.60	23.53
20	16QAM	100	0	23.45	23.58	23.48
20	64QAM	1	0	23.56	23.81	23.68
20	64QAM	1	49	23.67	23.77	23.54
20	64QAM	1	99	23.61	23.58	23.73
20	64QAM	50	0	22.54	22.52	22.46
20	64QAM	50	24	22.43	22.54	22.47
20	64QAM	50	50	22.42	22.63	22.48
20	64QAM	100	0	22.49	22.58	22.56



LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	25.56	25.65	25.40
15	QPSK	1	37	25.43	25.42	25.57
15	QPSK	1	74	25.35	25.34	25.63
15	QPSK	36	0	24.51	24.79	24.80
15	QPSK	36	20	24.51	24.61	24.62
15	QPSK	36	39	24.50	24.65	24.54
15	QPSK	75	0	24.37	24.66	24.55
15	16QAM	1	0	24.69	24.82	24.62
15	16QAM	1	37	24.63	24.56	24.71
15	16QAM	1	74	24.46	24.53	24.64
15	16QAM	36	0	23.55	23.64	23.54
15	16QAM	36	20	23.65	23.59	23.57
15	16QAM	36	39	23.54	23.30	23.31
15	16QAM	75	0	23.34	23.36	23.58
15	64QAM	1	0	23.82	23.83	23.62
15	64QAM	1	37	23.50	23.70	23.58
15	64QAM	1	74	23.62	23.68	23.68
15	64QAM	36	0	22.47	22.53	22.72
15	64QAM	36	20	22.44	22.67	22.48
15	64QAM	36	39	22.57	22.55	22.37
15	64QAM	75	0	22.42	22.40	22.61



LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	25.57	25.62	25.53
10	QPSK	1	25	25.49	25.59	25.41
10	QPSK	1	49	25.44	25.60	25.63
10	QPSK	25	0	24.62	24.58	24.77
10	QPSK	25	12	24.72	24.49	24.43
10	QPSK	25	25	24.61	24.43	24.41
10	QPSK	50	0	24.64	24.63	24.45
10	16QAM	1	0	24.60	24.64	24.72
10	16QAM	1	25	24.73	24.70	24.77
10	16QAM	1	49	24.67	24.53	24.66
10	16QAM	25	0	23.52	23.64	23.43
10	16QAM	25	12	23.60	23.67	23.65
10	16QAM	25	25	23.47	23.51	23.37
10	16QAM	50	0	23.58	23.62	23.48
10	64QAM	1	0	23.64	23.88	23.70
10	64QAM	1	25	23.55	23.54	23.60
10	64QAM	1	49	23.75	23.60	23.64
10	64QAM	25	0	22.42	22.62	22.56
10	64QAM	25	12	22.43	22.57	22.65
10	64QAM	25	25	22.46	22.52	22.31
10	64QAM	50	0	22.65	22.47	22.67



LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	25.62	25.60	25.60
5	QPSK	1	12	25.46	25.43	25.59
5	QPSK	1	24	25.60	25.34	25.45
5	QPSK	12	0	24.54	24.45	24.48
5	QPSK	12	7	24.52	24.55	24.58
5	QPSK	12	13	24.65	24.61	24.58
5	QPSK	25	0	24.62	24.38	24.59
5	16QAM	1	0	24.72	24.70	24.66
5	16QAM	1	12	24.76	24.64	24.65
5	16QAM	1	24	24.69	24.64	24.69
5	16QAM	12	0	23.61	23.63	23.72
5	16QAM	12	7	23.59	23.59	23.54
5	16QAM	12	13	23.44	23.52	23.44
5	16QAM	25	0	23.37	23.62	23.45
5	64QAM	1	0	23.81	23.87	23.80
5	64QAM	1	12	23.56	23.67	23.52
5	64QAM	1	24	23.61	23.75	23.50
5	64QAM	12	0	22.57	22.63	22.70
5	64QAM	12	7	22.42	22.59	22.69
5	64QAM	12	13	22.57	22.40	22.63
5	64QAM	25	0	22.61	22.46	22.36



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	22.72	22.81	22.78
20	QPSK	1	49	22.74	22.67	22.59
20	QPSK	1	99	22.51	22.69	22.62
20	QPSK	50	0	21.79	21.90	21.88
20	QPSK	50	24	21.74	21.69	21.56
20	QPSK	50	50	21.66	21.71	21.68
20	QPSK	100	0	21.55	21.79	21.68
20	16QAM	1	0	21.73	21.85	21.83
20	16QAM	1	49	21.56	21.71	21.76
20	16QAM	1	99	21.69	21.66	21.71
20	16QAM	50	0	20.81	20.86	20.72
20	16QAM	50	24	20.81	20.62	20.84
20	16QAM	50	50	20.52	20.76	20.60
20	16QAM	100	0	20.72	20.58	20.76
20	64QAM	1	0	20.82	20.80	20.74
20	64QAM	1	49	20.70	20.76	20.70
20	64QAM	1	99	20.56	20.65	20.67
20	64QAM	50	0	19.73	19.84	19.71
20	64QAM	50	24	19.63	19.56	19.76
20	64QAM	50	50	19.57	19.60	19.79
20	64QAM	100	0	19.77	19.69	19.73



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	22.73	22.75	22.68
15	QPSK	1	37	22.72	22.68	22.70
15	QPSK	1	74	22.63	22.66	22.66
15	QPSK	36	0	21.76	21.87	21.86
15	QPSK	36	20	21.63	21.70	21.62
15	QPSK	36	39	21.59	21.75	21.65
15	QPSK	75	0	21.50	21.59	21.70
15	16QAM	1	0	21.75	21.85	21.85
15	16QAM	1	37	21.70	21.80	21.76
15	16QAM	1	74	21.82	21.86	21.78
15	16QAM	36	0	20.71	20.83	20.73
15	16QAM	36	20	20.66	20.80	20.95
15	16QAM	36	39	20.63	20.67	20.87
15	16QAM	75	0	20.67	20.65	20.51
15	64QAM	1	0	20.73	20.83	20.74
15	64QAM	1	37	20.64	20.74	20.61
15	64QAM	1	74	20.77	20.81	20.83
15	64QAM	36	0	19.65	19.75	19.82
15	64QAM	36	20	19.73	19.76	19.56
15	64QAM	36	39	19.58	19.84	19.69
15	64QAM	75	0	19.51	19.71	19.84



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	22.74	22.79	22.75
10	QPSK	1	25	22.61	22.69	22.59
10	QPSK	1	49	22.62	22.75	22.53
10	QPSK	25	0	21.62	21.89	21.74
10	QPSK	25	12	21.82	21.87	21.85
10	QPSK	25	25	21.66	21.61	21.66
10	QPSK	50	0	21.69	21.91	21.61
10	16QAM	1	0	21.76	21.80	21.82
10	16QAM	1	25	21.83	21.76	21.75
10	16QAM	1	49	21.68	21.69	21.83
10	16QAM	25	0	20.82	20.88	20.86
10	16QAM	25	12	20.65	20.86	20.62
10	16QAM	25	25	20.59	20.53	20.67
10	16QAM	50	0	20.69	20.77	20.60
10	64QAM	1	0	20.76	20.88	20.85
10	64QAM	1	25	20.62	20.67	20.75
10	64QAM	1	49	20.57	20.71	20.76
10	64QAM	25	0	19.52	19.77	19.63
10	64QAM	25	12	19.65	19.73	19.77
10	64QAM	25	25	19.59	19.75	19.54
10	64QAM	50	0	19.69	19.80	19.54



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	22.66	22.78	22.73
5	QPSK	1	12	22.77	22.71	22.71
5	QPSK	1	24	22.71	22.76	22.50
5	QPSK	12	0	21.72	21.76	21.76
5	QPSK	12	7	21.80	21.63	21.58
5	QPSK	12	13	21.60	21.62	21.51
5	QPSK	25	0	21.64	21.65	21.79
5	16QAM	1	0	21.88	21.86	21.73
5	16QAM	1	12	21.83	21.75	21.72
5	16QAM	1	24	21.59	21.77	21.66
5	16QAM	12	0	20.71	20.69	20.76
5	16QAM	12	7	20.64	20.75	20.81
5	16QAM	12	13	20.51	20.57	20.54
5	16QAM	25	0	20.40	20.60	20.65
5	64QAM	1	0	20.68	20.79	20.72
5	64QAM	1	12	20.89	20.84	20.82
5	64QAM	1	24	20.52	20.63	20.73
5	64QAM	12	0	19.83	19.70	19.77
5	64QAM	12	7	19.66	19.80	19.78
5	64QAM	12	13	19.59	19.75	19.78
5	64QAM	25	0	19.56	19.70	19.65



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	22.68	22.77	22.68
3	QPSK	1	8	22.59	22.71	22.59
3	QPSK	1	14	22.60	22.63	22.75
3	QPSK	8	0	21.65	21.77	21.78
3	QPSK	8	4	21.75	21.79	21.71
3	QPSK	8	7	21.57	21.64	21.46
3	QPSK	15	0	21.74	21.60	21.63
3	16QAM	1	0	21.77	21.86	21.84
3	16QAM	1	8	21.87	21.83	21.69
3	16QAM	1	14	21.68	21.82	21.77
3	16QAM	8	0	20.68	20.71	20.90
3	16QAM	8	4	20.69	20.72	20.88
3	16QAM	8	7	20.62	20.57	20.70
3	16QAM	15	0	20.65	20.80	20.53
3	64QAM	1	0	20.73	20.87	20.81
3	64QAM	1	8	20.82	20.82	20.82
3	64QAM	1	14	20.58	20.69	20.73
3	64QAM	8	0	19.69	19.81	19.83
3	64QAM	8	4	19.62	19.66	19.62
3	64QAM	8	7	19.61	19.70	19.56
3	64QAM	15	0	19.64	19.75	19.87



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	22.70	22.76	22.65
1.4	QPSK	1	3	22.57	22.72	22.69
1.4	QPSK	1	5	22.60	22.65	22.61
1.4	QPSK	3	0	21.65	21.72	21.67
1.4	QPSK	3	1	21.66	21.65	21.86
1.4	QPSK	3	3	21.73	21.80	21.69
1.4	QPSK	6	0	21.77	21.60	21.80
1.4	16QAM	1	0	21.81	21.83	21.79
1.4	16QAM	1	3	21.69	21.82	21.74
1.4	16QAM	1	5	21.55	21.87	21.77
1.4	16QAM	3	0	20.57	20.76	20.71
1.4	16QAM	3	1	20.65	20.85	20.85
1.4	16QAM	3	3	20.52	20.69	20.83
1.4	16QAM	6	0	20.65	20.83	20.68
1.4	64QAM	1	0	20.71	20.86	20.80
1.4	64QAM	1	3	20.84	20.78	20.81
1.4	64QAM	1	5	20.56	20.68	20.72
1.4	64QAM	3	0	19.65	19.89	19.90
1.4	64QAM	3	1	19.57	19.75	19.85
1.4	64QAM	3	3	19.58	19.60	19.53
1.4	64QAM	6	0	19.54	19.58	19.70



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	23.05	23.15	23.07
20	QPSK	1	49	23.04	23.12	23.03
20	QPSK	1	99	23.00	22.98	22.91
20	QPSK	50	0	22.22	22.11	22.19
20	QPSK	50	24	21.96	22.21	21.99
20	QPSK	50	50	21.90	22.02	21.93
20	QPSK	100	0	21.95	21.86	21.99
20	16QAM	1	0	22.15	22.28	22.18
20	16QAM	1	49	22.06	22.10	21.98
20	16QAM	1	99	21.96	22.15	22.01
20	16QAM	50	0	21.14	21.15	21.04
20	16QAM	50	24	21.10	20.91	20.93
20	16QAM	50	50	20.94	20.98	20.90
20	16QAM	100	0	20.94	21.11	21.08
20	64QAM	1	0	21.22	21.22	21.00
20	64QAM	1	49	21.09	21.30	21.22
20	64QAM	1	99	21.03	21.17	21.08
20	64QAM	50	0	20.05	20.12	20.07
20	64QAM	50	24	19.86	20.18	19.99
20	64QAM	50	50	19.97	20.05	19.98
20	64QAM	100	0	20.02	20.14	20.19



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133197	133297	133397
Frequency (MHz)				670.5	680.5	690.5
15	QPSK	1	0	23.04	23.12	23.07
15	QPSK	1	37	22.98	23.11	23.06
15	QPSK	1	74	23.04	23.05	23.02
15	QPSK	36	0	22.23	22.25	22.14
15	QPSK	36	20	22.10	22.07	22.07
15	QPSK	36	39	21.90	22.09	21.91
15	QPSK	75	0	21.80	21.86	21.83
15	16QAM	1	0	22.31	22.36	22.13
15	16QAM	1	37	22.11	22.35	22.20
15	16QAM	1	74	22.06	22.23	22.12
15	16QAM	36	0	21.02	21.11	21.10
15	16QAM	36	20	20.97	21.10	21.08
15	16QAM	36	39	20.94	20.86	21.15
15	16QAM	75	0	21.06	21.12	21.01
15	64QAM	1	0	21.14	21.34	21.12
15	64QAM	1	37	21.17	21.21	21.10
15	64QAM	1	74	21.15	21.02	21.16
15	64QAM	36	0	20.01	20.07	19.90
15	64QAM	36	20	19.82	20.10	19.93
15	64QAM	36	39	20.01	19.82	19.95
15	64QAM	75	0	20.07	19.98	19.90



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	22.99	23.11	23.08
10	QPSK	1	25	23.04	22.89	22.95
10	QPSK	1	49	23.02	22.88	23.03
10	QPSK	25	0	22.16	22.20	22.09
10	QPSK	25	12	22.06	22.18	21.93
10	QPSK	25	25	21.87	21.91	21.85
10	QPSK	50	0	21.98	22.07	22.16
10	16QAM	1	0	22.32	22.33	22.24
10	16QAM	1	25	22.06	22.16	22.24
10	16QAM	1	49	22.04	21.99	22.06
10	16QAM	25	0	21.06	21.14	21.22
10	16QAM	25	12	20.90	21.07	21.15
10	16QAM	25	25	20.94	20.99	21.06
10	16QAM	50	0	21.04	20.93	21.09
10	64QAM	1	0	21.04	21.23	21.25
10	64QAM	1	25	21.15	21.03	21.05
10	64QAM	1	49	21.12	21.20	21.05
10	64QAM	25	0	20.12	20.13	20.06
10	64QAM	25	12	19.93	19.99	20.08
10	64QAM	25	25	19.98	19.91	19.89
10	64QAM	50	0	20.01	20.10	20.14



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	23.09	23.10	22.89
5	QPSK	1	12	22.81	23.07	22.99
5	QPSK	1	24	22.87	22.90	22.82
5	QPSK	12	0	21.92	22.11	22.11
5	QPSK	12	7	21.80	21.90	22.03
5	QPSK	12	13	21.80	22.06	21.94
5	QPSK	25	0	22.00	22.16	22.10
5	16QAM	1	0	22.20	22.36	22.27
5	16QAM	1	12	22.05	22.07	22.02
5	16QAM	1	24	22.05	22.07	21.98
5	16QAM	12	0	21.05	21.07	21.09
5	16QAM	12	7	20.82	20.91	21.01
5	16QAM	12	13	20.99	20.98	20.96
5	16QAM	25	0	21.05	20.99	21.00
5	64QAM	1	0	21.16	21.12	20.99
5	64QAM	1	12	20.98	20.98	21.12
5	64QAM	1	24	20.91	21.15	21.17
5	64QAM	12	0	19.95	20.11	20.01
5	64QAM	12	7	20.10	20.09	19.99
5	64QAM	12	13	19.82	19.85	19.98
5	64QAM	25	0	20.03	20.08	20.17



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	27.38	0.547	27.27	0.533	27.25	0.531
20	QPSK	1	49	27.32	0.540	27.24	0.530	27.21	0.526
20	QPSK	1	99	27.23	0.528	27.19	0.524	27.17	0.521
20	QPSK	50	0	26.43	0.440	26.32	0.429	26.30	0.427
20	QPSK	50	24	26.31	0.428	26.27	0.424	26.22	0.419
20	QPSK	50	50	26.20	0.417	26.18	0.415	26.13	0.410
20	QPSK	100	0	26.25	0.422	26.23	0.420	26.20	0.417
20	16QAM	1	0	26.50	0.447	26.48	0.445	26.41	0.438
20	16QAM	1	49	26.36	0.433	26.37	0.434	26.28	0.425
20	16QAM	1	99	26.29	0.426	26.31	0.428	26.25	0.422
20	16QAM	50	0	25.32	0.340	25.29	0.338	25.26	0.336
20	16QAM	50	24	25.28	0.337	25.24	0.334	25.27	0.337
20	16QAM	50	50	25.21	0.332	25.09	0.323	25.19	0.330
20	16QAM	100	0	25.22	0.333	25.20	0.331	25.17	0.329
20	64QAM	1	0	25.47	0.352	25.43	0.349	25.35	0.343
20	64QAM	1	49	25.39	0.346	25.32	0.340	25.26	0.336
20	64QAM	1	99	25.33	0.341	25.30	0.339	25.28	0.337
20	64QAM	50	0	24.31	0.270	24.28	0.268	24.23	0.265
20	64QAM	50	24	24.27	0.267	24.22	0.264	24.20	0.263
20	64QAM	50	50	24.18	0.262	24.17	0.261	24.12	0.258
20	64QAM	100	0	24.25	0.266	24.23	0.265	24.21	0.264



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	27.35	0.543	27.30	0.537	27.24	0.530
15	QPSK	1	37	27.26	0.532	27.23	0.528	27.27	0.533
15	QPSK	1	74	27.29	0.536	27.11	0.514	27.20	0.525
15	QPSK	36	0	26.42	0.439	26.45	0.442	26.30	0.427
15	QPSK	36	20	26.27	0.424	26.14	0.411	26.19	0.416
15	QPSK	36	39	26.32	0.429	26.20	0.417	26.30	0.427
15	QPSK	75	0	26.33	0.430	26.42	0.439	26.39	0.436
15	16QAM	1	0	26.62	0.459	26.56	0.453	26.26	0.423
15	16QAM	1	37	26.41	0.438	26.58	0.455	26.51	0.448
15	16QAM	1	74	26.21	0.418	26.47	0.444	26.25	0.422
15	16QAM	36	0	25.34	0.342	25.22	0.333	25.20	0.331
15	16QAM	36	20	25.33	0.341	25.20	0.331	25.33	0.341
15	16QAM	36	39	25.25	0.335	25.09	0.323	25.29	0.338
15	16QAM	75	0	25.39	0.346	25.06	0.321	25.21	0.332
15	64QAM	1	0	25.52	0.356	25.29	0.338	25.30	0.339
15	64QAM	1	37	25.40	0.347	25.29	0.338	25.18	0.330
15	64QAM	1	74	25.35	0.343	25.34	0.342	25.29	0.338
15	64QAM	36	0	24.43	0.277	24.24	0.265	24.23	0.265
15	64QAM	36	20	24.16	0.261	24.03	0.253	24.19	0.262
15	64QAM	36	39	24.24	0.265	24.35	0.272	24.07	0.255
15	64QAM	75	0	24.33	0.271	24.11	0.258	24.17	0.261



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	27.34	0.542	27.30	0.537	27.26	0.532
10	QPSK	1	25	27.28	0.535	27.24	0.530	27.01	0.502
10	QPSK	1	49	27.33	0.541	27.14	0.518	27.23	0.528
10	QPSK	25	0	26.44	0.441	26.27	0.424	26.25	0.422
10	QPSK	25	12	26.36	0.433	26.41	0.438	26.21	0.418
10	QPSK	25	25	26.23	0.420	26.07	0.405	26.37	0.434
10	QPSK	50	0	26.23	0.420	26.32	0.429	26.43	0.440
10	16QAM	1	0	26.47	0.444	26.45	0.442	26.33	0.430
10	16QAM	1	25	26.26	0.423	26.17	0.414	26.49	0.446
10	16QAM	1	49	26.44	0.441	26.36	0.433	26.41	0.438
10	16QAM	25	0	25.31	0.340	25.41	0.348	25.20	0.331
10	16QAM	25	12	25.45	0.351	25.37	0.344	25.38	0.345
10	16QAM	25	25	25.21	0.332	25.34	0.342	25.39	0.346
10	16QAM	50	0	25.25	0.335	25.22	0.333	25.21	0.332
10	64QAM	1	0	25.47	0.352	25.48	0.353	25.31	0.340
10	64QAM	1	25	25.26	0.336	25.26	0.336	25.29	0.338
10	64QAM	1	49	25.32	0.340	25.15	0.327	25.27	0.337
10	64QAM	25	0	24.34	0.272	24.42	0.277	24.40	0.275
10	64QAM	25	12	24.38	0.274	24.19	0.262	24.26	0.267
10	64QAM	25	25	24.28	0.268	24.17	0.261	24.11	0.258
10	64QAM	50	0	24.38	0.274	24.19	0.262	24.05	0.254



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	27.36	0.545	27.29	0.536	27.26	0.532
5	QPSK	1	12	27.30	0.537	27.26	0.532	27.29	0.536
5	QPSK	1	24	27.35	0.543	27.22	0.527	27.24	0.530
5	QPSK	12	0	26.40	0.437	26.40	0.437	26.35	0.432
5	QPSK	12	7	26.47	0.444	26.23	0.420	26.24	0.421
5	QPSK	12	13	26.16	0.413	26.20	0.417	26.24	0.421
5	QPSK	25	0	26.28	0.425	26.26	0.423	26.07	0.405
5	16QAM	1	0	26.41	0.438	26.39	0.436	26.26	0.423
5	16QAM	1	12	26.37	0.434	26.29	0.426	26.09	0.406
5	16QAM	1	24	26.11	0.408	26.33	0.430	26.20	0.417
5	16QAM	12	0	25.44	0.350	25.31	0.340	25.24	0.334
5	16QAM	12	7	25.34	0.342	25.25	0.335	25.15	0.327
5	16QAM	12	13	25.33	0.341	24.94	0.312	25.15	0.327
5	16QAM	25	0	25.12	0.325	25.42	0.348	25.12	0.325
5	64QAM	1	0	25.27	0.337	25.34	0.342	25.26	0.336
5	64QAM	1	12	25.19	0.330	25.25	0.335	25.31	0.340
5	64QAM	1	24	25.17	0.329	25.19	0.330	25.40	0.347
5	64QAM	12	0	24.39	0.275	24.27	0.267	24.25	0.266
5	64QAM	12	7	24.13	0.259	24.15	0.260	24.26	0.267
5	64QAM	12	13	24.30	0.269	24.25	0.266	24.24	0.265
5	64QAM	25	0	24.41	0.276	24.10	0.257	24.07	0.255



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	27.34	0.542	27.30	0.537	27.14	0.518
3	QPSK	1	8	27.29	0.536	27.32	0.540	27.17	0.521
3	QPSK	1	14	27.26	0.532	27.02	0.504	27.15	0.519
3	QPSK	8	0	26.44	0.441	26.41	0.438	26.42	0.439
3	QPSK	8	4	26.42	0.439	26.39	0.436	26.06	0.404
3	QPSK	8	7	26.07	0.405	26.18	0.415	26.17	0.414
3	QPSK	15	0	26.05	0.403	26.28	0.425	26.03	0.401
3	16QAM	1	0	26.37	0.434	26.44	0.441	26.32	0.429
3	16QAM	1	8	26.23	0.420	26.49	0.446	26.27	0.424
3	16QAM	1	14	26.23	0.420	26.25	0.422	26.45	0.442
3	16QAM	8	0	25.49	0.354	25.39	0.346	25.16	0.328
3	16QAM	8	4	25.10	0.324	25.33	0.341	25.45	0.351
3	16QAM	8	7	25.37	0.344	25.27	0.337	25.16	0.328
3	16QAM	15	0	25.24	0.334	25.05	0.320	25.10	0.324
3	64QAM	1	0	25.52	0.356	25.42	0.348	25.23	0.333
3	64QAM	1	8	25.52	0.356	25.35	0.343	25.18	0.330
3	64QAM	1	14	25.43	0.349	25.21	0.332	25.33	0.341
3	64QAM	8	0	24.17	0.261	24.18	0.262	24.41	0.276
3	64QAM	8	4	24.24	0.265	24.41	0.276	24.30	0.269
3	64QAM	8	7	24.22	0.264	24.35	0.272	24.25	0.266
3	64QAM	15	0	24.10	0.257	24.18	0.262	24.11	0.258



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	27.33	0.541	27.27	0.533	27.23	0.528
1.4	QPSK	1	3	27.30	0.537	27.05	0.507	27.20	0.525
1.4	QPSK	1	5	27.13	0.516	27.06	0.508	26.97	0.498
1.4	QPSK	3	0	26.45	0.442	26.33	0.430	26.24	0.421
1.4	QPSK	3	1	26.55	0.452	26.31	0.428	26.18	0.415
1.4	QPSK	3	3	26.38	0.435	26.19	0.416	26.20	0.417
1.4	QPSK	6	0	26.13	0.410	26.22	0.419	26.39	0.436
1.4	16QAM	1	0	26.38	0.435	26.29	0.426	26.23	0.420
1.4	16QAM	1	3	26.54	0.451	26.57	0.454	26.43	0.440
1.4	16QAM	1	5	26.54	0.451	26.52	0.449	26.49	0.446
1.4	16QAM	3	0	25.22	0.333	25.33	0.341	25.17	0.329
1.4	16QAM	3	1	25.25	0.335	25.35	0.343	25.25	0.335
1.4	16QAM	3	3	25.32	0.340	25.20	0.331	25.24	0.334
1.4	16QAM	6	0	25.43	0.349	25.15	0.327	25.14	0.327
1.4	64QAM	1	0	25.48	0.353	25.24	0.334	25.30	0.339
1.4	64QAM	1	3	25.44	0.350	25.19	0.330	25.20	0.331
1.4	64QAM	1	5	25.37	0.344	25.53	0.357	25.22	0.333
1.4	64QAM	3	0	24.41	0.276	24.46	0.279	24.37	0.274
1.4	64QAM	3	1	24.18	0.262	24.20	0.263	24.36	0.273
1.4	64QAM	3	3	24.40	0.275	24.20	0.263	24.22	0.264
1.4	64QAM	6	0	24.35	0.272	24.24	0.265	24.10	0.257



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	26.89	0.489	26.87	0.486	26.83	0.482
20	QPSK	1	49	26.87	0.486	26.73	0.471	26.75	0.473
20	QPSK	1	99	26.78	0.476	26.63	0.460	26.58	0.455
20	QPSK	50	0	25.92	0.391	25.84	0.384	25.88	0.387
20	QPSK	50	24	25.81	0.381	25.85	0.385	25.87	0.386
20	QPSK	50	50	25.83	0.383	25.82	0.382	25.73	0.374
20	QPSK	100	0	25.77	0.378	25.77	0.378	25.68	0.370
20	16QAM	1	0	25.95	0.394	25.94	0.393	25.77	0.378
20	16QAM	1	49	25.77	0.378	25.90	0.389	25.68	0.370
20	16QAM	1	99	25.78	0.378	25.87	0.386	25.65	0.367
20	16QAM	50	0	24.86	0.306	24.83	0.304	24.93	0.311
20	16QAM	50	24	24.93	0.311	24.77	0.300	24.79	0.301
20	16QAM	50	50	24.63	0.290	24.73	0.297	24.61	0.289
20	16QAM	100	0	24.90	0.309	24.84	0.305	24.85	0.305
20	64QAM	1	0	25.02	0.318	24.96	0.313	24.82	0.303
20	64QAM	1	49	25.03	0.318	24.98	0.315	24.96	0.313
20	64QAM	1	99	24.93	0.311	24.83	0.304	25.08	0.322
20	64QAM	50	0	23.95	0.248	23.92	0.247	23.83	0.242
20	64QAM	50	24	23.81	0.240	23.91	0.246	23.99	0.251
20	64QAM	50	50	23.83	0.242	23.64	0.231	23.96	0.249
20	64QAM	100	0	23.91	0.246	23.84	0.242	23.61	0.230



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	26.85	0.484	26.82	0.481	26.79	0.478
15	QPSK	1	37	26.79	0.478	26.67	0.465	26.77	0.475
15	QPSK	1	74	26.70	0.468	26.79	0.478	26.69	0.467
15	QPSK	36	0	25.97	0.395	25.87	0.386	25.80	0.380
15	QPSK	36	20	25.95	0.394	25.81	0.381	25.84	0.384
15	QPSK	36	39	25.81	0.381	25.70	0.372	25.73	0.374
15	QPSK	75	0	25.90	0.389	25.67	0.369	25.78	0.378
15	16QAM	1	0	25.92	0.391	25.95	0.394	25.82	0.382
15	16QAM	1	37	25.85	0.385	25.92	0.391	25.70	0.372
15	16QAM	1	74	25.78	0.378	25.80	0.380	25.77	0.378
15	16QAM	36	0	24.85	0.305	24.84	0.305	24.88	0.308
15	16QAM	36	20	24.75	0.299	24.81	0.303	24.77	0.300
15	16QAM	36	39	24.71	0.296	24.72	0.296	24.60	0.288
15	16QAM	75	0	24.80	0.302	24.62	0.290	24.78	0.301
15	64QAM	1	0	24.97	0.314	24.92	0.310	24.88	0.308
15	64QAM	1	37	24.90	0.309	24.88	0.308	24.80	0.302
15	64QAM	1	74	24.91	0.310	24.72	0.296	24.83	0.304
15	64QAM	36	0	23.87	0.244	23.79	0.239	23.71	0.235
15	64QAM	36	20	23.78	0.239	23.91	0.246	23.96	0.249
15	64QAM	36	39	23.96	0.249	23.82	0.241	23.70	0.234
15	64QAM	75	0	23.89	0.245	23.88	0.244	23.86	0.243



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	26.86	0.485	26.84	0.483	26.81	0.480
10	QPSK	1	25	26.84	0.483	26.78	0.476	26.67	0.465
10	QPSK	1	49	26.68	0.466	26.61	0.458	26.82	0.481
10	QPSK	25	0	25.92	0.391	25.83	0.383	25.91	0.390
10	QPSK	25	12	25.86	0.385	25.84	0.384	25.86	0.385
10	QPSK	25	25	25.70	0.372	25.86	0.385	25.67	0.369
10	QPSK	50	0	25.91	0.390	25.83	0.383	25.85	0.385
10	16QAM	1	0	25.99	0.397	26.02	0.400	25.90	0.389
10	16QAM	1	25	25.93	0.392	25.89	0.388	25.90	0.389
10	16QAM	1	49	25.99	0.397	25.84	0.384	25.92	0.391
10	16QAM	25	0	24.72	0.296	24.91	0.310	24.70	0.295
10	16QAM	25	12	24.97	0.314	24.93	0.311	24.92	0.310
10	16QAM	25	25	24.93	0.311	24.91	0.310	24.93	0.311
10	16QAM	50	0	24.90	0.309	24.90	0.309	24.74	0.298
10	64QAM	1	0	24.91	0.310	24.88	0.308	24.97	0.314
10	64QAM	1	25	24.80	0.302	24.83	0.304	24.97	0.314
10	64QAM	1	49	25.04	0.319	24.93	0.311	24.82	0.303
10	64QAM	25	0	24.05	0.254	24.00	0.251	23.86	0.243
10	64QAM	25	12	23.93	0.247	23.80	0.240	23.69	0.234
10	64QAM	25	25	23.99	0.251	23.76	0.238	23.70	0.234
10	64QAM	50	0	23.75	0.237	23.91	0.246	23.76	0.238



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	26.87	0.486	26.86	0.485	26.79	0.478
5	QPSK	1	12	26.75	0.473	26.80	0.479	26.79	0.478
5	QPSK	1	24	26.75	0.473	26.78	0.476	26.58	0.455
5	QPSK	12	0	25.99	0.397	25.99	0.397	25.82	0.382
5	QPSK	12	7	25.80	0.380	25.89	0.388	25.76	0.377
5	QPSK	12	13	25.92	0.391	25.85	0.385	25.59	0.362
5	QPSK	25	0	25.72	0.373	25.94	0.393	25.74	0.375
5	16QAM	1	0	25.92	0.391	25.98	0.396	25.93	0.392
5	16QAM	1	12	25.86	0.385	25.99	0.397	25.79	0.379
5	16QAM	1	24	25.84	0.384	25.74	0.375	25.83	0.383
5	16QAM	12	0	24.98	0.315	24.93	0.311	24.83	0.304
5	16QAM	12	7	24.82	0.303	24.86	0.306	24.88	0.308
5	16QAM	12	13	24.74	0.298	24.91	0.310	24.84	0.305
5	16QAM	25	0	24.96	0.313	24.68	0.294	24.79	0.301
5	64QAM	1	0	25.02	0.318	24.98	0.315	25.03	0.318
5	64QAM	1	12	24.99	0.316	24.90	0.309	25.03	0.318
5	64QAM	1	24	24.91	0.310	24.92	0.310	24.98	0.315
5	64QAM	12	0	23.90	0.245	24.02	0.252	24.05	0.254
5	64QAM	12	7	24.01	0.252	23.67	0.233	24.04	0.254
5	64QAM	12	13	23.84	0.242	23.85	0.243	23.77	0.238
5	64QAM	25	0	23.87	0.244	23.93	0.247	23.92	0.247



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	26.85	0.484	26.83	0.482	26.73	0.471
3	QPSK	1	8	26.76	0.474	26.80	0.479	26.78	0.476
3	QPSK	1	14	26.72	0.470	26.71	0.469	26.74	0.472
3	QPSK	8	0	25.83	0.383	25.88	0.387	25.71	0.372
3	QPSK	8	4	25.87	0.386	25.86	0.385	25.87	0.386
3	QPSK	8	7	25.91	0.390	25.64	0.366	25.74	0.375
3	QPSK	15	0	25.83	0.383	25.83	0.383	25.71	0.372
3	16QAM	1	0	25.99	0.397	25.97	0.395	25.96	0.394
3	16QAM	1	8	25.94	0.393	25.82	0.382	25.92	0.391
3	16QAM	1	14	25.93	0.392	25.98	0.396	25.67	0.369
3	16QAM	8	0	24.99	0.316	24.91	0.310	24.84	0.305
3	16QAM	8	4	24.90	0.309	24.77	0.300	24.88	0.308
3	16QAM	8	7	24.76	0.299	24.68	0.294	24.80	0.302
3	16QAM	15	0	24.77	0.300	24.72	0.296	24.78	0.301
3	64QAM	1	0	25.01	0.317	24.99	0.316	24.82	0.303
3	64QAM	1	8	24.93	0.311	24.81	0.303	24.87	0.307
3	64QAM	1	14	24.89	0.308	24.79	0.301	24.93	0.311
3	64QAM	8	0	23.96	0.249	24.00	0.251	23.64	0.231
3	64QAM	8	4	23.92	0.247	23.86	0.243	23.83	0.242
3	64QAM	8	7	23.59	0.229	23.62	0.230	23.63	0.231
3	64QAM	15	0	23.93	0.247	23.90	0.245	23.90	0.245



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	26.84	0.483	26.82	0.481	26.83	0.482
1.4	QPSK	1	3	26.78	0.476	26.73	0.471	26.75	0.473
1.4	QPSK	1	5	26.79	0.478	26.81	0.480	26.72	0.470
1.4	QPSK	3	0	25.97	0.395	25.86	0.385	25.95	0.394
1.4	QPSK	3	1	25.92	0.391	25.70	0.372	25.83	0.383
1.4	QPSK	3	3	25.88	0.387	25.84	0.384	25.73	0.374
1.4	QPSK	6	0	25.89	0.388	25.94	0.393	25.82	0.382
1.4	16QAM	1	0	25.96	0.394	25.91	0.390	25.80	0.380
1.4	16QAM	1	3	25.92	0.391	25.89	0.388	25.93	0.392
1.4	16QAM	1	5	25.89	0.388	25.78	0.378	25.79	0.379
1.4	16QAM	3	0	24.78	0.301	24.97	0.314	24.76	0.299
1.4	16QAM	3	1	25.01	0.317	24.96	0.313	24.85	0.305
1.4	16QAM	3	3	24.99	0.316	24.74	0.298	24.83	0.304
1.4	16QAM	6	0	24.69	0.294	24.93	0.311	25.01	0.317
1.4	64QAM	1	0	24.87	0.307	24.94	0.312	24.80	0.302
1.4	64QAM	1	3	24.89	0.308	25.01	0.317	24.82	0.303
1.4	64QAM	1	5	25.03	0.318	25.00	0.316	25.04	0.319
1.4	64QAM	3	0	23.83	0.242	23.81	0.240	23.86	0.243
1.4	64QAM	3	1	23.98	0.250	23.63	0.231	23.79	0.239
1.4	64QAM	3	3	23.90	0.245	23.92	0.247	23.87	0.244
1.4	64QAM	6	0	23.91	0.246	23.89	0.245	24.04	0.254



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	23.14	0.206	23.20	0.209	23.24	0.211
10	QPSK	1	25	23.13	0.206	23.05	0.202	23.18	0.208
10	QPSK	1	49	22.96	0.198	23.18	0.208	23.21	0.209
10	QPSK	25	0	22.07	0.161	22.23	0.167	22.39	0.173
10	QPSK	25	12	22.20	0.166	22.33	0.171	22.15	0.164
10	QPSK	25	25	22.04	0.160	22.30	0.170	22.11	0.163
10	QPSK	50	0	22.16	0.164	22.19	0.166	22.25	0.168
10	16QAM	1	0	22.21	0.166	22.37	0.173	22.41	0.174
10	16QAM	1	25	22.29	0.169	22.35	0.172	22.19	0.166
10	16QAM	1	49	22.01	0.159	22.11	0.163	22.38	0.173
10	16QAM	25	0	21.08	0.128	21.11	0.129	21.22	0.132
10	16QAM	25	12	21.11	0.129	21.03	0.127	21.16	0.131
10	16QAM	25	25	20.98	0.125	21.13	0.130	21.08	0.128
10	16QAM	50	0	21.02	0.126	21.29	0.135	21.17	0.131
10	64QAM	1	0	21.27	0.134	21.36	0.137	21.30	0.135
10	64QAM	1	25	21.09	0.129	21.19	0.132	21.14	0.130
10	64QAM	1	49	21.08	0.128	21.23	0.133	21.21	0.132
10	64QAM	25	0	20.07	0.102	20.37	0.109	20.34	0.108
10	64QAM	25	12	20.22	0.105	20.16	0.104	20.20	0.105
10	64QAM	25	25	20.12	0.103	20.20	0.105	20.23	0.105
10	64QAM	50	0	20.19	0.104	20.28	0.107	20.21	0.105



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	23.11	0.205	23.16	0.207	23.21	0.209
5	QPSK	1	12	23.09	0.204	23.13	0.206	23.07	0.203
5	QPSK	1	24	23.07	0.203	23.11	0.205	23.18	0.208
5	QPSK	12	0	22.22	0.167	22.36	0.172	22.24	0.167
5	QPSK	12	7	22.29	0.169	22.16	0.164	22.17	0.165
5	QPSK	12	13	22.13	0.163	22.19	0.166	22.08	0.161
5	QPSK	25	0	21.98	0.158	22.26	0.168	22.05	0.160
5	16QAM	1	0	22.28	0.169	22.39	0.173	22.40	0.174
5	16QAM	1	12	22.27	0.169	22.22	0.167	22.13	0.163
5	16QAM	1	24	22.13	0.163	22.24	0.167	22.12	0.163
5	16QAM	12	0	21.13	0.130	21.32	0.136	21.25	0.133
5	16QAM	12	7	21.17	0.131	21.20	0.132	21.19	0.132
5	16QAM	12	13	21.17	0.131	21.14	0.130	21.24	0.133
5	16QAM	25	0	21.17	0.131	21.06	0.128	21.20	0.132
5	64QAM	1	0	21.16	0.131	21.19	0.132	21.27	0.134
5	64QAM	1	12	21.23	0.133	21.17	0.131	21.07	0.128
5	64QAM	1	24	21.21	0.132	21.28	0.134	21.24	0.133
5	64QAM	12	0	20.15	0.104	20.26	0.106	20.23	0.105
5	64QAM	12	7	20.14	0.103	20.03	0.101	20.20	0.105
5	64QAM	12	13	19.97	0.099	20.13	0.103	19.98	0.100
5	64QAM	25	0	20.12	0.103	20.24	0.106	20.19	0.104



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	23.10	0.204	23.22	0.210	23.20	0.209
3	QPSK	1	8	22.98	0.199	23.04	0.201	23.06	0.202
3	QPSK	1	14	23.06	0.202	23.11	0.205	23.12	0.205
3	QPSK	8	0	22.15	0.164	22.12	0.163	22.32	0.171
3	QPSK	8	4	22.15	0.164	22.40	0.174	22.17	0.165
3	QPSK	8	7	21.99	0.158	22.07	0.161	22.19	0.166
3	QPSK	15	0	22.20	0.166	22.23	0.167	22.25	0.168
3	16QAM	1	0	22.26	0.168	22.38	0.173	22.24	0.167
3	16QAM	1	8	22.10	0.162	22.34	0.171	22.19	0.166
3	16QAM	1	14	22.15	0.164	22.19	0.166	22.37	0.173
3	16QAM	8	0	21.20	0.132	21.36	0.137	21.36	0.137
3	16QAM	8	4	21.00	0.126	21.34	0.136	21.28	0.134
3	16QAM	8	7	21.15	0.130	21.15	0.130	21.26	0.134
3	16QAM	15	0	21.14	0.130	21.28	0.134	21.17	0.131
3	64QAM	1	0	21.30	0.135	21.33	0.136	21.41	0.138
3	64QAM	1	8	21.10	0.129	21.11	0.129	21.12	0.129
3	64QAM	1	14	21.15	0.130	21.14	0.130	21.31	0.135
3	64QAM	8	0	20.25	0.106	20.34	0.108	20.26	0.106
3	64QAM	8	4	20.14	0.103	20.18	0.104	20.15	0.104
3	64QAM	8	7	20.12	0.103	20.11	0.103	20.10	0.102
3	64QAM	15	0	20.08	0.102	20.06	0.101	20.03	0.101



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	23.17	0.207	23.19	0.208	23.22	0.210
1.4	QPSK	1	3	23.13	0.206	23.11	0.205	23.20	0.209
1.4	QPSK	1	5	22.97	0.198	23.01	0.200	23.07	0.203
1.4	QPSK	3	0	22.15	0.164	22.23	0.167	22.14	0.164
1.4	QPSK	3	1	22.17	0.165	22.08	0.161	22.13	0.163
1.4	QPSK	3	3	22.13	0.163	22.07	0.161	22.20	0.166
1.4	QPSK	6	0	21.93	0.156	22.07	0.161	22.05	0.160
1.4	16QAM	1	0	22.14	0.164	22.41	0.174	22.33	0.171
1.4	16QAM	1	3	22.21	0.166	22.19	0.166	22.21	0.166
1.4	16QAM	1	5	22.19	0.166	22.19	0.166	22.33	0.171
1.4	16QAM	3	0	21.05	0.127	21.32	0.136	21.08	0.128
1.4	16QAM	3	1	21.25	0.133	21.26	0.134	21.34	0.136
1.4	16QAM	3	3	21.11	0.129	21.16	0.131	21.18	0.131
1.4	16QAM	6	0	21.07	0.128	21.10	0.129	21.30	0.135
1.4	64QAM	1	0	21.33	0.136	21.31	0.135	21.20	0.132
1.4	64QAM	1	3	21.10	0.129	21.25	0.133	21.25	0.133
1.4	64QAM	1	5	21.14	0.130	21.32	0.136	21.13	0.130
1.4	64QAM	3	0	20.06	0.101	20.19	0.104	20.20	0.105
1.4	64QAM	3	1	20.12	0.103	20.21	0.105	20.06	0.101
1.4	64QAM	3	3	20.10	0.102	20.18	0.104	20.23	0.105
1.4	64QAM	6	0	20.21	0.105	20.31	0.107	20.26	0.106



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	26.84	0.483	26.90	0.490	26.82	0.481
20	QPSK	1	49	26.86	0.485	26.79	0.478	26.74	0.472
20	QPSK	1	99	26.74	0.472	26.79	0.478	26.82	0.481
20	QPSK	50	0	25.79	0.379	26.01	0.399	25.91	0.390
20	QPSK	50	24	25.73	0.374	25.89	0.388	25.92	0.391
20	QPSK	50	50	25.73	0.374	25.85	0.385	25.75	0.376
20	QPSK	100	0	25.70	0.372	25.92	0.391	25.95	0.394
20	16QAM	1	0	25.81	0.381	25.95	0.394	25.86	0.385
20	16QAM	1	49	25.76	0.377	25.84	0.384	25.92	0.391
20	16QAM	1	99	25.82	0.382	25.89	0.388	25.85	0.385
20	16QAM	50	0	24.83	0.304	24.93	0.311	24.90	0.309
20	16QAM	50	24	24.87	0.307	24.88	0.308	24.88	0.308
20	16QAM	50	50	24.64	0.291	24.57	0.286	24.85	0.305
20	16QAM	100	0	24.70	0.295	24.65	0.292	24.76	0.299
20	64QAM	1	0	24.78	0.301	24.96	0.313	24.87	0.307
20	64QAM	1	49	24.80	0.302	24.76	0.299	24.84	0.305
20	64QAM	1	99	24.66	0.292	24.74	0.298	24.70	0.295
20	64QAM	50	0	23.77	0.238	23.85	0.243	23.77	0.238
20	64QAM	50	24	23.78	0.239	23.91	0.246	23.75	0.237
20	64QAM	50	50	23.59	0.229	23.78	0.239	23.78	0.239
20	64QAM	100	0	23.82	0.241	23.70	0.234	23.82	0.241



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	26.78	0.476	26.85	0.484	26.81	0.480
15	QPSK	1	37	26.80	0.479	26.76	0.474	26.64	0.461
15	QPSK	1	74	26.57	0.454	26.77	0.475	26.73	0.471
15	QPSK	36	0	25.81	0.381	25.91	0.390	25.95	0.394
15	QPSK	36	20	25.74	0.375	25.84	0.384	25.85	0.385
15	QPSK	36	39	25.63	0.366	25.68	0.370	25.68	0.370
15	QPSK	75	0	25.74	0.375	25.88	0.387	25.75	0.376
15	16QAM	1	0	25.94	0.393	25.85	0.385	25.82	0.382
15	16QAM	1	37	25.65	0.367	25.71	0.372	25.70	0.372
15	16QAM	1	74	25.71	0.372	25.76	0.377	25.69	0.371
15	16QAM	36	0	24.92	0.310	24.92	0.310	24.79	0.301
15	16QAM	36	20	24.66	0.292	24.70	0.295	24.75	0.299
15	16QAM	36	39	24.76	0.299	24.63	0.290	24.80	0.302
15	16QAM	75	0	24.62	0.290	24.67	0.293	24.65	0.292
15	64QAM	1	0	24.75	0.299	24.92	0.310	24.81	0.303
15	64QAM	1	37	24.71	0.296	24.84	0.305	24.76	0.299
15	64QAM	1	74	24.86	0.306	24.79	0.301	24.82	0.303
15	64QAM	36	0	23.86	0.243	23.71	0.235	23.68	0.233
15	64QAM	36	20	23.63	0.231	23.71	0.235	23.67	0.233
15	64QAM	36	39	23.64	0.231	23.67	0.233	23.65	0.232
15	64QAM	75	0	23.57	0.228	23.76	0.238	23.73	0.236



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	26.76	0.474	26.83	0.482	26.88	0.488
10	QPSK	1	25	26.67	0.465	26.74	0.472	26.67	0.465
10	QPSK	1	49	26.69	0.467	26.68	0.466	26.75	0.473
10	QPSK	25	0	25.91	0.390	25.86	0.385	25.76	0.377
10	QPSK	25	12	25.58	0.361	25.78	0.378	25.91	0.390
10	QPSK	25	25	25.59	0.362	25.67	0.369	25.84	0.384
10	QPSK	50	0	25.62	0.365	25.85	0.385	25.75	0.376
10	16QAM	1	0	25.88	0.387	25.93	0.392	25.87	0.386
10	16QAM	1	25	25.68	0.370	25.81	0.381	25.79	0.379
10	16QAM	1	49	25.79	0.379	25.77	0.378	25.78	0.378
10	16QAM	25	0	24.79	0.301	24.85	0.305	24.80	0.302
10	16QAM	25	12	24.70	0.295	24.85	0.305	24.79	0.301
10	16QAM	25	25	24.67	0.293	24.49	0.281	24.64	0.291
10	16QAM	50	0	24.70	0.295	24.91	0.310	24.88	0.308
10	64QAM	1	0	24.90	0.309	24.85	0.305	24.95	0.313
10	64QAM	1	25	24.65	0.292	24.85	0.305	24.83	0.304
10	64QAM	1	49	24.93	0.311	24.75	0.299	24.82	0.303
10	64QAM	25	0	23.80	0.240	23.90	0.245	23.91	0.246
10	64QAM	25	12	23.63	0.231	23.63	0.231	23.78	0.239
10	64QAM	25	25	23.63	0.231	23.83	0.242	23.66	0.232
10	64QAM	50	0	23.70	0.234	23.92	0.247	23.68	0.233



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	26.77	0.475	26.82	0.481	26.79	0.478
5	QPSK	1	12	26.70	0.468	26.68	0.466	26.85	0.484
5	QPSK	1	24	26.63	0.460	26.70	0.468	26.79	0.478
5	QPSK	12	0	25.79	0.379	25.72	0.373	25.87	0.386
5	QPSK	12	7	25.57	0.361	25.69	0.371	25.82	0.382
5	QPSK	12	13	25.74	0.375	25.68	0.370	25.74	0.375
5	QPSK	25	0	25.75	0.376	25.66	0.368	25.60	0.363
5	16QAM	1	0	25.86	0.385	25.88	0.387	25.85	0.385
5	16QAM	1	12	25.70	0.372	25.84	0.384	25.84	0.384
5	16QAM	1	24	25.64	0.366	25.72	0.373	25.79	0.379
5	16QAM	12	0	24.81	0.303	24.85	0.305	24.74	0.298
5	16QAM	12	7	24.68	0.294	24.89	0.308	24.79	0.301
5	16QAM	12	13	24.70	0.295	24.60	0.288	24.85	0.305
5	16QAM	25	0	24.75	0.299	24.72	0.296	24.75	0.299
5	64QAM	1	0	24.87	0.307	25.01	0.317	24.88	0.308
5	64QAM	1	12	24.94	0.312	24.73	0.297	24.86	0.306
5	64QAM	1	24	24.80	0.302	24.87	0.307	24.85	0.305
5	64QAM	12	0	23.87	0.244	23.89	0.245	23.79	0.239
5	64QAM	12	7	23.79	0.239	23.73	0.236	23.78	0.239
5	64QAM	12	13	23.68	0.233	23.79	0.239	23.68	0.233
5	64QAM	25	0	23.57	0.228	23.65	0.232	23.81	0.240



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	23.22	0.210	23.18	0.208	23.30	0.214
10	QPSK	1	25	23.25	0.211	23.22	0.210	23.17	0.207
10	QPSK	1	49	23.17	0.207	23.11	0.205	23.27	0.212
10	QPSK	25	0	22.39	0.173	22.36	0.172	22.45	0.176
10	QPSK	25	12	22.24	0.167	22.31	0.170	22.20	0.166
10	QPSK	25	25	22.16	0.164	22.29	0.169	22.15	0.164
10	QPSK	50	0	22.31	0.170	22.24	0.167	22.22	0.167
10	16QAM	1	0	22.26	0.168	22.46	0.176	22.50	0.178
10	16QAM	1	25	22.33	0.171	22.28	0.169	22.41	0.174
10	16QAM	1	49	22.36	0.172	22.38	0.173	22.28	0.169
10	16QAM	25	0	21.36	0.137	21.20	0.132	21.40	0.138
10	16QAM	25	12	21.12	0.129	21.41	0.138	21.17	0.131
10	16QAM	25	25	21.18	0.131	21.10	0.129	21.31	0.135
10	16QAM	50	0	21.27	0.134	21.37	0.137	21.26	0.134
10	64QAM	1	0	21.30	0.135	21.40	0.138	21.44	0.139
10	64QAM	1	25	21.29	0.135	21.35	0.136	21.27	0.134
10	64QAM	1	49	21.19	0.132	21.36	0.137	21.33	0.136
10	64QAM	25	0	20.34	0.108	20.27	0.106	20.31	0.107
10	64QAM	25	12	20.29	0.107	20.36	0.109	20.39	0.109
10	64QAM	25	25	20.22	0.105	20.34	0.108	20.27	0.106
10	64QAM	50	0	20.15	0.104	20.27	0.106	20.15	0.104



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	23.18	0.208	23.17	0.207	23.27	0.212
5	QPSK	1	12	23.24	0.211	23.20	0.209	23.24	0.211
5	QPSK	1	24	23.24	0.211	23.22	0.210	23.19	0.208
5	QPSK	12	0	22.17	0.165	22.20	0.166	22.31	0.170
5	QPSK	12	7	22.15	0.164	22.26	0.168	22.19	0.166
5	QPSK	12	13	22.08	0.161	22.27	0.169	22.23	0.167
5	QPSK	25	0	22.19	0.166	22.12	0.163	22.17	0.165
5	16QAM	1	0	22.40	0.174	22.40	0.174	22.35	0.172
5	16QAM	1	12	22.33	0.171	22.26	0.168	22.37	0.173
5	16QAM	1	24	22.29	0.169	22.37	0.173	22.23	0.167
5	16QAM	12	0	21.20	0.132	21.18	0.131	21.23	0.133
5	16QAM	12	7	21.02	0.126	21.21	0.132	21.33	0.136
5	16QAM	12	13	21.19	0.132	21.12	0.129	21.31	0.135
5	16QAM	25	0	21.04	0.127	21.29	0.135	21.10	0.129
5	64QAM	1	0	21.29	0.135	21.31	0.135	21.37	0.137
5	64QAM	1	12	21.27	0.134	21.23	0.133	21.22	0.132
5	64QAM	1	24	21.28	0.134	21.22	0.132	21.21	0.132
5	64QAM	12	0	20.15	0.104	20.16	0.104	20.42	0.110
5	64QAM	12	7	20.10	0.102	20.24	0.106	20.34	0.108
5	64QAM	12	13	20.12	0.103	20.09	0.102	20.10	0.102
5	64QAM	25	0	20.11	0.103	20.30	0.107	20.27	0.106



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	23.21	0.209	23.25	0.211	23.25	0.211
3	QPSK	1	8	23.20	0.209	23.10	0.204	23.23	0.210
3	QPSK	1	14	23.10	0.204	23.17	0.207	23.07	0.203
3	QPSK	8	0	22.21	0.166	22.25	0.168	22.19	0.166
3	QPSK	8	4	22.15	0.164	22.28	0.169	22.22	0.167
3	QPSK	8	7	22.24	0.167	22.25	0.168	22.15	0.164
3	QPSK	15	0	22.08	0.161	22.21	0.166	22.23	0.167
3	16QAM	1	0	22.29	0.169	22.34	0.171	22.40	0.174
3	16QAM	1	8	22.21	0.166	22.38	0.173	22.41	0.174
3	16QAM	1	14	22.12	0.163	22.41	0.174	22.36	0.172
3	16QAM	8	0	21.12	0.129	21.43	0.139	21.17	0.131
3	16QAM	8	4	21.35	0.136	21.36	0.137	21.38	0.137
3	16QAM	8	7	21.17	0.131	21.20	0.132	21.25	0.133
3	16QAM	15	0	21.16	0.131	21.08	0.128	21.06	0.128
3	64QAM	1	0	21.36	0.137	21.41	0.138	21.29	0.135
3	64QAM	1	8	21.31	0.135	21.34	0.136	21.46	0.140
3	64QAM	1	14	21.16	0.131	21.41	0.138	21.42	0.139
3	64QAM	8	0	20.36	0.109	20.16	0.104	20.25	0.106
3	64QAM	8	4	20.06	0.101	20.36	0.109	20.39	0.109
3	64QAM	8	7	20.10	0.102	20.25	0.106	20.20	0.105
3	64QAM	15	0	20.08	0.102	20.41	0.110	20.24	0.106



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	23.21	0.209	23.22	0.210	23.24	0.211
1.4	QPSK	1	3	23.12	0.205	23.22	0.210	23.12	0.205
1.4	QPSK	1	5	23.10	0.204	23.12	0.205	23.23	0.210
1.4	QPSK	3	0	22.33	0.171	22.38	0.173	22.39	0.173
1.4	QPSK	3	1	22.31	0.170	22.35	0.172	22.36	0.172
1.4	QPSK	3	3	22.28	0.169	22.18	0.165	22.22	0.167
1.4	QPSK	6	0	22.33	0.171	22.44	0.175	22.22	0.167
1.4	16QAM	1	0	22.32	0.171	22.38	0.173	22.47	0.177
1.4	16QAM	1	3	22.12	0.163	22.39	0.173	22.42	0.175
1.4	16QAM	1	5	22.14	0.164	22.38	0.173	22.45	0.176
1.4	16QAM	3	0	21.20	0.132	21.24	0.133	21.25	0.133
1.4	16QAM	3	1	21.17	0.131	21.18	0.131	21.34	0.136
1.4	16QAM	3	3	21.15	0.130	21.30	0.135	21.32	0.136
1.4	16QAM	6	0	21.26	0.134	21.14	0.130	21.07	0.128
1.4	64QAM	1	0	21.32	0.136	21.30	0.135	21.42	0.139
1.4	64QAM	1	3	21.17	0.131	21.34	0.136	21.33	0.136
1.4	64QAM	1	5	21.13	0.130	21.24	0.133	21.18	0.131
1.4	64QAM	3	0	20.08	0.102	20.32	0.108	20.23	0.105
1.4	64QAM	3	1	20.19	0.104	20.25	0.106	20.18	0.104
1.4	64QAM	3	3	20.25	0.106	20.11	0.103	20.29	0.107
1.4	64QAM	6	0	20.14	0.103	20.31	0.107	20.36	0.109



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	/	/	23.31	0.214	/	/
10	QPSK	1	25	/	/	23.15	0.207	/	/
10	QPSK	1	49	/	/	23.09	0.204	/	/
10	QPSK	25	0	/	/	22.39	0.173	/	/
10	QPSK	25	12	/	/	22.08	0.161	/	/
10	QPSK	25	25	/	/	22.06	0.161	/	/
10	QPSK	50	0	/	/	22.19	0.166	/	/
10	16QAM	1	0	/	/	22.23	0.167	/	/
10	16QAM	1	25	/	/	22.23	0.167	/	/
10	16QAM	1	49	/	/	22.28	0.169	/	/
10	16QAM	25	0	/	/	21.19	0.132	/	/
10	16QAM	25	12	/	/	21.22	0.132	/	/
10	16QAM	25	25	/	/	21.14	0.130	/	/
10	16QAM	50	0	/	/	21.09	0.129	/	/
10	64QAM	1	0	/	/	21.45	0.140	/	/
10	64QAM	1	25	/	/	21.18	0.131	/	/
10	64QAM	1	49	/	/	21.10	0.129	/	/
10	64QAM	25	0	/	/	20.38	0.109	/	/
10	64QAM	25	12	/	/	20.14	0.103	/	/
10	64QAM	25	25	/	/	20.09	0.102	/	/
10	64QAM	50	0	/	/	20.19	0.104	/	/



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	23.26	0.212	23.27	0.212	23.23	0.210
5	QPSK	1	12	23.06	0.202	23.22	0.210	23.22	0.210
5	QPSK	1	24	23.14	0.206	23.13	0.206	23.11	0.205
5	QPSK	12	0	22.37	0.173	22.44	0.175	22.36	0.172
5	QPSK	12	7	22.17	0.165	22.18	0.165	22.18	0.165
5	QPSK	12	13	22.25	0.168	22.31	0.170	22.06	0.161
5	QPSK	25	0	22.32	0.171	22.26	0.168	22.25	0.168
5	16QAM	1	0	22.40	0.174	22.41	0.174	22.37	0.173
5	16QAM	1	12	22.29	0.169	22.36	0.172	22.21	0.166
5	16QAM	1	24	22.31	0.170	22.37	0.173	22.18	0.165
5	16QAM	12	0	21.29	0.135	21.30	0.135	21.16	0.131
5	16QAM	12	7	21.23	0.133	21.16	0.131	21.27	0.134
5	16QAM	12	13	21.11	0.129	21.22	0.132	21.25	0.133
5	16QAM	25	0	21.02	0.126	21.23	0.133	21.16	0.131
5	64QAM	1	0	21.21	0.132	21.38	0.137	21.37	0.137
5	64QAM	1	12	21.43	0.139	21.28	0.134	21.27	0.134
5	64QAM	1	24	21.15	0.130	21.36	0.137	21.22	0.132
5	64QAM	12	0	20.13	0.103	20.23	0.105	20.14	0.103
5	64QAM	12	7	20.12	0.103	20.20	0.105	20.13	0.103
5	64QAM	12	13	20.16	0.104	20.11	0.103	20.15	0.104
5	64QAM	25	0	20.32	0.108	20.22	0.105	20.35	0.108



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.10	0.204	23.23	0.210	23.20	0.209
10	QPSK	1	25	23.16	0.207	23.15	0.207	23.16	0.207
10	QPSK	1	49	23.19	0.208	23.16	0.207	23.11	0.205
10	QPSK	25	0	22.20	0.166	22.30	0.170	22.27	0.169
10	QPSK	25	12	22.23	0.167	22.18	0.165	22.08	0.161
10	QPSK	25	25	22.11	0.163	22.24	0.167	22.03	0.160
10	QPSK	50	0	22.04	0.160	22.04	0.160	22.12	0.163
10	16QAM	1	0	22.18	0.165	22.41	0.174	22.31	0.170
10	16QAM	1	25	22.15	0.164	22.40	0.174	22.25	0.168
10	16QAM	1	49	22.09	0.162	22.20	0.166	22.17	0.165
10	16QAM	25	0	21.30	0.135	21.28	0.134	21.26	0.134
10	16QAM	25	12	21.13	0.130	21.14	0.130	21.25	0.133
10	16QAM	25	25	21.07	0.128	21.13	0.130	21.29	0.135
10	16QAM	50	0	21.12	0.129	21.01	0.126	21.08	0.128
10	64QAM	1	0	21.25	0.133	21.43	0.139	21.43	0.139
10	64QAM	1	25	21.22	0.132	21.33	0.136	21.14	0.130
10	64QAM	1	49	21.08	0.128	21.11	0.129	21.21	0.132
10	64QAM	25	0	20.20	0.105	20.16	0.104	20.13	0.103
10	64QAM	25	12	20.07	0.102	20.19	0.104	20.24	0.106
10	64QAM	25	25	20.07	0.102	20.10	0.102	20.16	0.104
10	64QAM	50	0	20.13	0.103	20.15	0.104	20.18	0.104



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.14	0.206	23.20	0.209	23.12	0.205
5	QPSK	1	12	23.15	0.207	23.12	0.205	23.06	0.202
5	QPSK	1	24	23.01	0.200	23.11	0.205	23.17	0.207
5	QPSK	12	0	22.14	0.164	22.36	0.172	22.19	0.166
5	QPSK	12	7	22.18	0.165	22.27	0.169	22.09	0.162
5	QPSK	12	13	22.14	0.164	22.11	0.163	22.12	0.163
5	QPSK	25	0	22.15	0.164	22.27	0.169	22.26	0.168
5	16QAM	1	0	22.30	0.170	22.33	0.171	22.25	0.168
5	16QAM	1	12	22.09	0.162	22.34	0.171	22.19	0.166
5	16QAM	1	24	22.11	0.163	22.24	0.167	22.08	0.161
5	16QAM	12	0	21.19	0.132	21.30	0.135	21.27	0.134
5	16QAM	12	7	21.21	0.132	21.10	0.129	21.27	0.134
5	16QAM	12	13	21.05	0.127	21.16	0.131	21.28	0.134
5	16QAM	25	0	21.07	0.128	21.07	0.128	21.02	0.126
5	64QAM	1	0	21.31	0.135	21.44	0.139	21.38	0.137
5	64QAM	1	12	21.36	0.137	21.31	0.135	21.12	0.129
5	64QAM	1	24	21.10	0.129	21.13	0.130	21.12	0.129
5	64QAM	12	0	20.06	0.101	20.27	0.106	20.15	0.104
5	64QAM	12	7	20.17	0.104	20.24	0.106	20.29	0.107
5	64QAM	12	13	20.15	0.104	20.22	0.105	20.18	0.104
5	64QAM	25	0	20.14	0.103	20.10	0.102	20.29	0.107



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	27.28	0.535	27.38	0.547	27.25	0.531
20	QPSK	1	49	27.18	0.522	27.16	0.520	27.27	0.533
20	QPSK	1	99	27.13	0.516	27.25	0.531	27.23	0.528
20	QPSK	50	0	26.33	0.430	26.45	0.442	26.20	0.417
20	QPSK	50	24	26.13	0.410	26.10	0.407	26.16	0.413
20	QPSK	50	50	26.15	0.412	26.16	0.413	26.13	0.410
20	QPSK	100	0	26.16	0.413	26.09	0.406	26.17	0.414
20	16QAM	1	0	26.25	0.422	26.34	0.431	26.39	0.436
20	16QAM	1	49	26.24	0.421	26.41	0.438	26.29	0.426
20	16QAM	1	99	26.16	0.413	26.38	0.435	26.36	0.433
20	16QAM	50	0	25.13	0.326	25.27	0.337	25.16	0.328
20	16QAM	50	24	25.11	0.324	25.09	0.323	25.40	0.347
20	16QAM	50	50	25.12	0.325	25.23	0.333	25.12	0.325
20	16QAM	100	0	25.15	0.327	25.17	0.329	25.08	0.322
20	64QAM	1	0	25.16	0.328	25.27	0.337	25.43	0.349
20	64QAM	1	49	25.14	0.327	25.39	0.346	25.20	0.331
20	64QAM	1	99	25.25	0.335	25.45	0.351	25.40	0.347
20	64QAM	50	0	24.19	0.262	24.45	0.279	24.37	0.274
20	64QAM	50	24	24.15	0.260	24.13	0.259	24.34	0.272
20	64QAM	50	50	24.09	0.256	24.22	0.264	24.25	0.266
20	64QAM	100	0	24.13	0.259	24.25	0.266	24.29	0.269



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	27.29	0.536	27.33	0.541	27.24	0.530
15	QPSK	1	37	27.17	0.521	27.20	0.525	27.27	0.533
15	QPSK	1	74	27.11	0.514	27.13	0.516	27.07	0.509
15	QPSK	36	0	26.15	0.412	26.46	0.443	26.32	0.429
15	QPSK	36	20	26.31	0.428	26.15	0.412	26.13	0.410
15	QPSK	36	39	26.12	0.409	26.11	0.408	26.17	0.414
15	QPSK	75	0	26.22	0.419	26.17	0.414	26.23	0.420
15	16QAM	1	0	26.29	0.426	26.44	0.441	26.38	0.435
15	16QAM	1	37	26.18	0.415	26.38	0.435	26.31	0.428
15	16QAM	1	74	26.14	0.411	26.17	0.414	26.17	0.414
15	16QAM	36	0	25.28	0.337	25.28	0.337	25.17	0.329
15	16QAM	36	20	25.20	0.331	25.16	0.328	25.21	0.332
15	16QAM	36	39	25.15	0.327	25.11	0.324	25.30	0.339
15	16QAM	75	0	25.27	0.337	25.34	0.342	25.16	0.328
15	64QAM	1	0	25.28	0.337	25.32	0.340	25.26	0.336
15	64QAM	1	37	25.21	0.332	25.28	0.337	25.30	0.339
15	64QAM	1	74	25.31	0.340	25.17	0.329	25.25	0.335
15	64QAM	36	0	24.03	0.253	24.26	0.267	24.23	0.265
15	64QAM	36	20	23.93	0.247	24.22	0.264	24.06	0.255
15	64QAM	36	39	23.93	0.247	24.17	0.261	24.19	0.262
15	64QAM	75	0	24.15	0.260	24.20	0.263	24.17	0.261



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	27.27	0.533	27.29	0.536	27.18	0.522
10	QPSK	1	25	27.17	0.521	27.24	0.530	27.24	0.530
10	QPSK	1	49	27.09	0.512	27.23	0.528	27.08	0.511
10	QPSK	25	0	26.16	0.413	26.45	0.442	26.17	0.414
10	QPSK	25	12	26.13	0.410	26.32	0.429	26.15	0.412
10	QPSK	25	25	26.16	0.413	26.17	0.414	26.20	0.417
10	QPSK	50	0	26.24	0.421	26.23	0.420	26.12	0.409
10	16QAM	1	0	26.16	0.413	26.40	0.437	26.39	0.436
10	16QAM	1	25	26.17	0.414	26.33	0.430	26.17	0.414
10	16QAM	1	49	26.24	0.421	26.26	0.423	26.29	0.426
10	16QAM	25	0	25.24	0.334	25.42	0.348	25.21	0.332
10	16QAM	25	12	25.07	0.321	25.08	0.322	25.07	0.321
10	16QAM	25	25	25.16	0.328	25.15	0.327	25.30	0.339
10	16QAM	50	0	25.17	0.329	25.21	0.332	25.17	0.329
10	64QAM	1	0	25.28	0.337	25.37	0.344	25.32	0.340
10	64QAM	1	25	25.37	0.344	25.14	0.327	25.18	0.330
10	64QAM	1	49	25.16	0.328	25.22	0.333	25.33	0.341
10	64QAM	25	0	24.21	0.264	24.35	0.272	24.37	0.274
10	64QAM	25	12	24.14	0.259	24.32	0.270	24.10	0.257
10	64QAM	25	25	24.13	0.259	24.09	0.256	24.08	0.256
10	64QAM	50	0	24.16	0.261	24.12	0.258	24.14	0.259



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	27.14	0.518	27.30	0.537	27.17	0.521
5	QPSK	1	12	27.26	0.532	27.26	0.532	27.04	0.506
5	QPSK	1	24	27.08	0.511	27.34	0.542	27.05	0.507
5	QPSK	12	0	26.38	0.435	26.39	0.436	26.32	0.429
5	QPSK	12	7	26.28	0.425	26.36	0.433	26.12	0.409
5	QPSK	12	13	26.15	0.412	26.25	0.422	26.17	0.414
5	QPSK	25	0	26.01	0.399	26.03	0.401	26.28	0.425
5	16QAM	1	0	26.32	0.429	26.28	0.425	26.33	0.430
5	16QAM	1	12	26.30	0.427	26.30	0.427	26.24	0.421
5	16QAM	1	24	26.10	0.407	26.20	0.417	26.34	0.431
5	16QAM	12	0	25.28	0.337	25.38	0.345	25.31	0.340
5	16QAM	12	7	25.27	0.337	25.13	0.326	25.13	0.326
5	16QAM	12	13	25.18	0.330	25.13	0.326	25.20	0.331
5	16QAM	25	0	25.10	0.324	25.21	0.332	25.14	0.327
5	64QAM	1	0	25.42	0.348	25.37	0.344	25.32	0.340
5	64QAM	1	12	25.20	0.331	25.29	0.338	25.40	0.347
5	64QAM	1	24	25.19	0.330	25.38	0.345	25.31	0.340
5	64QAM	12	0	24.13	0.259	24.27	0.267	24.15	0.260
5	64QAM	12	7	24.17	0.261	24.22	0.264	24.22	0.264
5	64QAM	12	13	24.12	0.258	24.10	0.257	24.21	0.264
5	64QAM	25	0	24.13	0.259	24.10	0.257	24.17	0.261



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	27.21	0.526	27.30	0.537	27.20	0.525
3	QPSK	1	8	27.15	0.519	27.28	0.535	27.18	0.522
3	QPSK	1	14	27.09	0.512	27.32	0.540	27.22	0.527
3	QPSK	8	0	26.41	0.438	26.24	0.421	26.26	0.423
3	QPSK	8	4	26.10	0.407	26.25	0.422	26.33	0.430
3	QPSK	8	7	25.98	0.396	26.10	0.407	26.17	0.414
3	QPSK	15	0	26.18	0.415	26.03	0.401	26.34	0.431
3	16QAM	1	0	26.46	0.443	26.51	0.448	26.26	0.423
3	16QAM	1	8	26.16	0.413	26.45	0.442	26.23	0.420
3	16QAM	1	14	26.08	0.406	26.19	0.416	26.15	0.412
3	16QAM	8	0	25.13	0.326	25.20	0.331	25.17	0.329
3	16QAM	8	4	25.08	0.322	25.11	0.324	25.35	0.343
3	16QAM	8	7	24.97	0.314	25.17	0.329	25.04	0.319
3	16QAM	15	0	24.99	0.316	25.10	0.324	25.22	0.333
3	64QAM	1	0	25.17	0.329	25.27	0.337	25.18	0.330
3	64QAM	1	8	25.34	0.342	25.16	0.328	25.11	0.324
3	64QAM	1	14	24.99	0.316	25.15	0.327	25.26	0.336
3	64QAM	8	0	24.26	0.267	24.18	0.262	24.05	0.254
3	64QAM	8	4	24.12	0.258	24.29	0.269	24.05	0.254
3	64QAM	8	7	23.84	0.242	24.27	0.267	24.22	0.264
3	64QAM	15	0	24.19	0.262	24.17	0.261	24.36	0.273



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	27.25	0.531	27.31	0.538	27.10	0.513
1.4	QPSK	1	3	26.99	0.500	27.21	0.526	27.22	0.527
1.4	QPSK	1	5	27.21	0.526	27.18	0.522	27.20	0.525
1.4	QPSK	3	0	26.38	0.435	26.40	0.437	26.24	0.421
1.4	QPSK	3	1	26.22	0.419	26.40	0.437	26.18	0.415
1.4	QPSK	3	3	26.19	0.416	26.20	0.417	26.22	0.419
1.4	QPSK	6	0	26.08	0.406	26.32	0.429	26.23	0.420
1.4	16QAM	1	0	26.22	0.419	26.36	0.433	26.35	0.432
1.4	16QAM	1	3	26.10	0.407	26.17	0.414	26.25	0.422
1.4	16QAM	1	5	26.15	0.412	26.45	0.442	26.32	0.429
1.4	16QAM	3	0	25.19	0.330	25.44	0.350	25.31	0.340
1.4	16QAM	3	1	25.13	0.326	25.36	0.344	25.18	0.330
1.4	16QAM	3	3	25.18	0.330	25.10	0.324	25.20	0.331
1.4	16QAM	6	0	25.18	0.330	25.34	0.342	25.21	0.332
1.4	64QAM	1	0	25.40	0.347	25.27	0.337	25.21	0.332
1.4	64QAM	1	3	25.14	0.327	25.41	0.348	25.17	0.329
1.4	64QAM	1	5	25.18	0.330	25.25	0.335	25.36	0.344
1.4	64QAM	3	0	24.17	0.261	24.12	0.258	24.26	0.267
1.4	64QAM	3	1	24.11	0.258	24.26	0.267	24.28	0.268
1.4	64QAM	3	3	24.20	0.263	24.28	0.268	24.08	0.256
1.4	64QAM	6	0	24.21	0.264	24.34	0.272	24.06	0.255



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	23.21	0.209	23.14	0.206	23.14	0.206
15	QPSK	1	37	23.10	0.204	23.01	0.200	22.95	0.197
15	QPSK	1	74	23.08	0.203	23.05	0.202	23.03	0.201
15	QPSK	36	0	22.30	0.170	22.13	0.163	21.98	0.158
15	QPSK	36	20	22.23	0.167	22.15	0.164	22.18	0.165
15	QPSK	36	39	22.14	0.164	22.05	0.160	22.04	0.160
15	QPSK	75	0	22.25	0.168	22.21	0.166	22.17	0.165
15	16QAM	1	0	22.28	0.169	22.19	0.166	22.12	0.163
15	16QAM	1	37	22.26	0.168	22.18	0.165	22.15	0.164
15	16QAM	1	74	22.13	0.163	22.15	0.164	22.20	0.166
15	16QAM	36	0	21.20	0.132	21.16	0.130	21.16	0.131
15	16QAM	36	20	20.96	0.125	20.99	0.125	21.05	0.127
15	16QAM	36	39	21.01	0.126	20.95	0.124	20.97	0.125
15	16QAM	75	0	20.93	0.124	20.95	0.124	21.00	0.126
15	64QAM	1	0	21.30	0.135	21.17	0.131	21.14	0.130
15	64QAM	1	37	21.06	0.128	21.07	0.128	21.11	0.129
15	64QAM	1	74	21.12	0.129	21.04	0.127	21.06	0.128
15	64QAM	36	0	20.11	0.103	20.11	0.102	20.20	0.105
15	64QAM	36	20	20.21	0.105	20.05	0.101	19.95	0.099
15	64QAM	36	39	20.03	0.101	20.05	0.101	20.12	0.103
15	64QAM	75	0	20.16	0.104	20.10	0.102	20.09	0.102



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	23.08	0.203	23.06	0.202	23.17	0.207
10	QPSK	1	25	23.07	0.203	23.05	0.202	23.09	0.204
10	QPSK	1	49	23.14	0.206	23.09	0.204	23.15	0.207
10	QPSK	25	0	22.09	0.162	22.11	0.163	22.15	0.164
10	QPSK	25	12	21.88	0.154	21.85	0.153	21.94	0.156
10	QPSK	25	25	21.99	0.158	21.92	0.156	22.00	0.158
10	QPSK	50	0	22.01	0.159	21.95	0.157	22.06	0.161
10	16QAM	1	0	22.28	0.169	22.33	0.171	22.37	0.173
10	16QAM	1	25	22.05	0.160	22.06	0.161	22.12	0.163
10	16QAM	1	49	22.11	0.163	22.13	0.163	22.22	0.167
10	16QAM	25	0	21.20	0.132	21.17	0.131	21.21	0.132
10	16QAM	25	12	20.99	0.126	21.01	0.126	21.04	0.127
10	16QAM	25	25	20.84	0.121	20.89	0.123	20.93	0.124
10	16QAM	50	0	21.05	0.127	21.05	0.127	21.10	0.129
10	64QAM	1	0	21.15	0.130	21.21	0.132	21.24	0.133
10	64QAM	1	25	21.21	0.132	21.15	0.130	21.22	0.132
10	64QAM	1	49	21.07	0.128	21.07	0.128	21.12	0.129
10	64QAM	25	0	19.98	0.100	19.99	0.100	20.07	0.102
10	64QAM	25	12	19.88	0.097	19.89	0.097	19.96	0.099
10	64QAM	25	25	19.86	0.097	19.91	0.098	19.95	0.099
10	64QAM	50	0	20.11	0.103	20.12	0.103	20.13	0.103



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	22.98	0.199	23.04	0.201	23.10	0.204
5	QPSK	1	12	22.88	0.194	22.88	0.194	22.91	0.195
5	QPSK	1	24	22.91	0.195	22.91	0.195	22.92	0.196
5	QPSK	12	0	22.20	0.166	22.27	0.169	22.30	0.170
5	QPSK	12	7	21.91	0.155	21.87	0.154	21.95	0.157
5	QPSK	12	13	21.99	0.158	21.89	0.155	22.01	0.159
5	QPSK	25	0	21.89	0.155	21.93	0.156	22.00	0.158
5	16QAM	1	0	22.24	0.167	22.29	0.169	22.32	0.171
5	16QAM	1	12	21.96	0.157	21.91	0.155	22.03	0.160
5	16QAM	1	24	22.14	0.164	22.22	0.167	22.24	0.167
5	16QAM	12	0	21.13	0.130	21.09	0.129	21.16	0.131
5	16QAM	12	7	21.06	0.128	21.01	0.126	21.09	0.129
5	16QAM	12	13	20.89	0.123	20.87	0.122	20.98	0.125
5	16QAM	25	0	20.95	0.124	20.98	0.125	20.99	0.126
5	64QAM	1	0	21.29	0.135	21.27	0.134	21.38	0.137
5	64QAM	1	12	21.15	0.130	21.17	0.131	21.24	0.133
5	64QAM	1	24	20.97	0.125	21.04	0.127	21.08	0.128
5	64QAM	12	0	20.06	0.101	20.05	0.101	20.08	0.102
5	64QAM	12	7	20.05	0.101	20.06	0.101	20.07	0.102
5	64QAM	12	13	20.08	0.102	19.98	0.100	20.10	0.102
5	64QAM	25	0	20.09	0.102	20.02	0.100	20.14	0.103



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	23.07	0.203	23.12	0.205	23.15	0.207
3	QPSK	1	8	23.06	0.202	22.99	0.199	23.11	0.205
3	QPSK	1	14	23.07	0.203	23.02	0.200	23.08	0.203
3	QPSK	8	0	22.09	0.162	22.06	0.161	22.11	0.163
3	QPSK	8	4	22.11	0.163	22.07	0.161	22.15	0.164
3	QPSK	8	7	21.83	0.152	21.89	0.155	21.95	0.157
3	QPSK	15	0	22.06	0.161	22.12	0.163	22.13	0.163
3	16QAM	1	0	22.34	0.171	22.32	0.171	22.40	0.174
3	16QAM	1	8	22.01	0.159	22.01	0.159	22.12	0.163
3	16QAM	1	14	22.13	0.163	22.11	0.163	22.23	0.167
3	16QAM	8	0	21.10	0.129	21.17	0.131	21.21	0.132
3	16QAM	8	4	21.22	0.132	21.26	0.134	21.28	0.134
3	16QAM	8	7	21.12	0.129	21.11	0.129	21.13	0.130
3	16QAM	15	0	20.88	0.122	20.87	0.122	20.91	0.123
3	64QAM	1	0	21.28	0.134	21.26	0.134	21.38	0.137
3	64QAM	1	8	21.13	0.130	21.14	0.130	21.22	0.132
3	64QAM	1	14	21.00	0.126	20.94	0.124	21.06	0.128
3	64QAM	8	0	19.86	0.097	19.83	0.096	19.91	0.098
3	64QAM	8	4	20.06	0.101	19.98	0.100	20.08	0.102
3	64QAM	8	7	19.99	0.100	20.04	0.101	20.05	0.101
3	64QAM	15	0	20.13	0.103	20.09	0.102	20.14	0.103



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	23.09	0.204	23.07	0.203	23.19	0.208
1.4	QPSK	1	3	22.93	0.196	22.91	0.195	23.03	0.201
1.4	QPSK	1	5	23.01	0.200	22.99	0.199	23.02	0.200
1.4	QPSK	3	0	22.17	0.165	22.18	0.165	22.21	0.166
1.4	QPSK	3	1	22.15	0.164	22.16	0.164	22.24	0.167
1.4	QPSK	3	3	22.05	0.160	21.96	0.157	22.07	0.161
1.4	QPSK	6	0	21.88	0.154	21.86	0.153	21.91	0.155
1.4	16QAM	1	0	22.28	0.169	22.30	0.170	22.40	0.174
1.4	16QAM	1	3	22.05	0.160	22.07	0.161	22.09	0.162
1.4	16QAM	1	5	22.00	0.158	22.04	0.160	22.11	0.163
1.4	16QAM	3	0	21.05	0.127	21.09	0.129	21.10	0.129
1.4	16QAM	3	1	21.07	0.128	21.08	0.128	21.09	0.129
1.4	16QAM	3	3	21.09	0.129	21.16	0.131	21.21	0.132
1.4	16QAM	6	0	20.82	0.121	20.84	0.121	20.89	0.123
1.4	64QAM	1	0	21.26	0.134	21.26	0.134	21.37	0.137
1.4	64QAM	1	3	20.92	0.124	20.92	0.124	21.03	0.127
1.4	64QAM	1	5	21.09	0.129	21.08	0.128	21.19	0.132
1.4	64QAM	3	0	20.06	0.101	20.10	0.102	20.12	0.103
1.4	64QAM	3	1	20.21	0.105	20.14	0.103	20.23	0.105
1.4	64QAM	3	3	20.03	0.101	19.96	0.099	20.08	0.102
1.4	64QAM	6	0	20.16	0.104	20.18	0.104	20.23	0.105



LTE Band 30				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		27710		/	
Frequency (MHz)				/		2310		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	23.09	0.204	/	/
10	QPSK	1	25	/	/	23.04	0.201	/	/
10	QPSK	1	49	/	/	23.03	0.201	/	/
10	QPSK	25	0	/	/	21.95	0.157	/	/
10	QPSK	25	12	/	/	22.03	0.160	/	/
10	QPSK	25	25	/	/	21.74	0.149	/	/
10	QPSK	50	0	/	/	22.00	0.158	/	/
10	16QAM	1	0	/	/	22.03	0.160	/	/
10	16QAM	1	25	/	/	21.93	0.156	/	/
10	16QAM	1	49	/	/	21.91	0.155	/	/
10	16QAM	25	0	/	/	20.95	0.124	/	/
10	16QAM	25	12	/	/	20.84	0.121	/	/
10	16QAM	25	25	/	/	20.88	0.122	/	/
10	16QAM	50	0	/	/	20.93	0.124	/	/
10	64QAM	1	0	/	/	21.04	0.127	/	/
10	64QAM	1	25	/	/	21.07	0.128	/	/
10	64QAM	1	49	/	/	21.01	0.126	/	/
10	64QAM	25	0	/	/	20.00	0.100	/	/
10	64QAM	25	12	/	/	20.06	0.101	/	/
10	64QAM	25	25	/	/	20.01	0.100	/	/
10	64QAM	50	0	/	/	19.94	0.099	/	/



LTE Band 30				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				27685		27710		27735	
Frequency (MHz)				2307.5		2310		2312.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.98	0.199	23.04	0.201	22.96	0.198
5	QPSK	1	12	22.87	0.194	23.02	0.200	22.88	0.194
5	QPSK	1	24	22.72	0.187	22.93	0.196	22.90	0.195
5	QPSK	12	0	22.05	0.160	22.10	0.162	22.03	0.160
5	QPSK	12	7	21.87	0.154	21.90	0.155	21.96	0.157
5	QPSK	12	13	21.83	0.152	22.04	0.160	21.73	0.149
5	QPSK	25	0	21.74	0.149	22.09	0.162	22.07	0.161
5	16QAM	1	0	22.00	0.158	22.07	0.161	22.09	0.162
5	16QAM	1	12	22.03	0.160	22.04	0.160	21.89	0.155
5	16QAM	1	24	21.81	0.152	21.95	0.157	21.90	0.155
5	16QAM	12	0	20.93	0.124	21.08	0.128	21.11	0.129
5	16QAM	12	7	21.08	0.128	21.02	0.126	21.03	0.127
5	16QAM	12	13	20.88	0.122	21.00	0.126	20.88	0.122
5	16QAM	25	0	20.88	0.122	21.10	0.129	20.79	0.120
5	64QAM	1	0	20.93	0.124	21.09	0.129	21.03	0.127
5	64QAM	1	12	21.02	0.126	21.03	0.127	20.92	0.124
5	64QAM	1	24	20.78	0.120	20.97	0.125	20.90	0.123
5	64QAM	12	0	20.06	0.101	20.13	0.103	19.97	0.099
5	64QAM	12	7	19.84	0.096	19.90	0.098	19.83	0.096
5	64QAM	12	13	19.81	0.096	20.09	0.102	19.86	0.097
5	64QAM	25	0	19.91	0.098	19.85	0.097	19.98	0.100



LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	27.27	0.533	27.33	0.541	27.22	0.527
20	QPSK	1	49	27.12	0.515	27.17	0.521	27.10	0.513
20	QPSK	1	99	27.13	0.516	27.18	0.522	27.07	0.509
20	QPSK	50	0	26.34	0.431	26.40	0.437	26.25	0.422
20	QPSK	50	24	26.14	0.411	26.26	0.423	26.09	0.406
20	QPSK	50	50	26.21	0.418	26.16	0.413	26.13	0.410
20	QPSK	100	0	26.16	0.413	26.17	0.414	25.96	0.394
20	16QAM	1	0	26.32	0.429	26.38	0.435	26.24	0.421
20	16QAM	1	49	26.32	0.429	26.18	0.415	26.13	0.410
20	16QAM	1	99	26.26	0.423	26.07	0.405	26.23	0.420
20	16QAM	50	0	25.09	0.323	25.29	0.338	25.15	0.327
20	16QAM	50	24	25.06	0.321	25.14	0.327	25.13	0.326
20	16QAM	50	50	24.97	0.314	25.17	0.329	25.08	0.322
20	16QAM	100	0	25.09	0.323	25.14	0.327	25.02	0.318
20	64QAM	1	0	25.27	0.337	25.48	0.353	25.44	0.350
20	64QAM	1	49	25.32	0.340	25.33	0.341	25.12	0.325
20	64QAM	1	99	25.26	0.336	25.16	0.328	25.10	0.324
20	64QAM	50	0	24.01	0.252	24.22	0.264	24.25	0.266
20	64QAM	50	24	23.93	0.247	24.20	0.263	23.95	0.248
20	64QAM	50	50	24.21	0.264	24.06	0.255	23.88	0.244
20	64QAM	100	0	23.93	0.247	23.94	0.248	24.00	0.251



LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	27.12	0.515	27.27	0.533	27.11	0.514
15	QPSK	1	37	26.96	0.497	27.04	0.506	27.04	0.506
15	QPSK	1	74	26.95	0.495	27.21	0.526	27.05	0.507
15	QPSK	36	0	26.35	0.432	26.30	0.427	26.08	0.406
15	QPSK	36	20	26.13	0.410	26.26	0.423	26.01	0.399
15	QPSK	36	39	26.05	0.403	26.11	0.408	25.99	0.397
15	QPSK	75	0	26.26	0.423	25.98	0.396	26.10	0.407
15	16QAM	1	0	26.23	0.420	26.35	0.432	26.24	0.421
15	16QAM	1	37	26.27	0.424	26.34	0.431	26.30	0.427
15	16QAM	1	74	26.27	0.424	26.19	0.416	26.33	0.430
15	16QAM	36	0	25.02	0.318	25.22	0.333	25.15	0.327
15	16QAM	36	20	25.02	0.318	25.25	0.335	25.20	0.331
15	16QAM	36	39	24.91	0.310	24.94	0.312	25.03	0.318
15	16QAM	75	0	25.23	0.333	25.24	0.334	25.08	0.322
15	64QAM	1	0	25.09	0.323	25.14	0.327	25.18	0.330
15	64QAM	1	37	25.34	0.342	25.15	0.327	25.29	0.338
15	64QAM	1	74	25.00	0.316	25.24	0.334	25.12	0.325
15	64QAM	36	0	24.16	0.261	24.31	0.270	24.33	0.271
15	64QAM	36	20	24.26	0.267	24.13	0.259	24.20	0.263
15	64QAM	36	39	24.00	0.251	24.22	0.264	24.15	0.260
15	64QAM	75	0	24.26	0.267	24.28	0.268	24.04	0.254



LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	27.21	0.526	27.23	0.528	27.08	0.511
10	QPSK	1	25	26.96	0.497	27.04	0.506	27.10	0.513
10	QPSK	1	49	26.96	0.497	27.12	0.515	27.00	0.501
10	QPSK	25	0	26.19	0.416	26.23	0.420	26.27	0.424
10	QPSK	25	12	26.31	0.428	26.11	0.408	25.97	0.395
10	QPSK	25	25	26.12	0.409	26.22	0.419	26.13	0.410
10	QPSK	50	0	26.22	0.419	26.07	0.405	26.17	0.414
10	16QAM	1	0	26.42	0.439	26.45	0.442	26.42	0.439
10	16QAM	1	25	26.24	0.421	26.11	0.408	26.10	0.407
10	16QAM	1	49	26.16	0.413	26.31	0.428	26.33	0.430
10	16QAM	25	0	25.04	0.319	25.22	0.333	25.11	0.324
10	16QAM	25	12	25.26	0.336	25.02	0.318	25.19	0.330
10	16QAM	25	25	25.02	0.318	25.06	0.321	25.00	0.316
10	16QAM	50	0	24.96	0.313	25.22	0.333	24.96	0.313
10	64QAM	1	0	25.34	0.342	25.26	0.336	25.23	0.333
10	64QAM	1	25	25.25	0.335	25.10	0.324	25.12	0.325
10	64QAM	1	49	25.14	0.327	25.25	0.335	25.20	0.331
10	64QAM	25	0	24.14	0.259	24.28	0.268	24.25	0.266
10	64QAM	25	12	24.23	0.265	24.05	0.254	23.94	0.248
10	64QAM	25	25	23.97	0.249	24.18	0.262	24.02	0.252
10	64QAM	50	0	24.19	0.262	24.03	0.253	24.14	0.259



LTE Band 41 (Power Class 2)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	27.19	0.524	27.26	0.532	27.06	0.508
5	QPSK	1	12	27.09	0.512	27.26	0.532	27.02	0.504
5	QPSK	1	24	27.19	0.524	27.15	0.519	27.10	0.513
5	QPSK	12	0	26.16	0.413	26.30	0.427	26.16	0.413
5	QPSK	12	7	26.18	0.415	26.12	0.409	26.28	0.425
5	QPSK	12	13	26.02	0.400	26.07	0.405	26.18	0.415
5	QPSK	25	0	26.22	0.419	26.25	0.422	26.21	0.418
5	16QAM	1	0	26.21	0.418	26.18	0.415	26.20	0.417
5	16QAM	1	12	26.09	0.406	26.12	0.409	26.08	0.406
5	16QAM	1	24	26.24	0.421	26.23	0.420	26.02	0.400
5	16QAM	12	0	25.23	0.333	25.07	0.321	25.20	0.331
5	16QAM	12	7	24.97	0.314	25.02	0.318	25.19	0.330
5	16QAM	12	13	25.08	0.322	25.11	0.324	25.11	0.324
5	16QAM	25	0	25.02	0.318	25.22	0.333	24.91	0.310
5	64QAM	1	0	25.29	0.338	25.22	0.333	25.16	0.328
5	64QAM	1	12	25.35	0.343	25.32	0.340	25.15	0.327
5	64QAM	1	24	25.23	0.333	25.11	0.324	25.09	0.323
5	64QAM	12	0	24.04	0.254	24.12	0.258	24.23	0.265
5	64QAM	12	7	24.21	0.264	24.20	0.263	24.07	0.255
5	64QAM	12	13	24.21	0.264	24.16	0.261	24.22	0.264
5	64QAM	25	0	24.09	0.256	24.08	0.256	24.11	0.258



LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	29.67	0.927	29.75	0.944	29.49	0.889
20	QPSK	1	49	29.70	0.933	29.47	0.885	29.62	0.916
20	QPSK	1	99	29.49	0.889	29.61	0.914	29.54	0.899
20	QPSK	50	0	28.68	0.738	28.87	0.771	28.67	0.736
20	QPSK	50	24	28.72	0.745	28.72	0.745	28.77	0.753
20	QPSK	50	50	28.65	0.733	28.69	0.740	28.64	0.731
20	QPSK	100	0	28.72	0.745	28.59	0.723	28.76	0.752
20	16QAM	1	0	28.62	0.728	28.71	0.743	28.77	0.753
20	16QAM	1	49	28.91	0.778	28.75	0.750	28.63	0.729
20	16QAM	1	99	28.59	0.723	28.74	0.748	28.79	0.757
20	16QAM	50	0	27.69	0.587	27.68	0.586	27.74	0.594
20	16QAM	50	24	27.65	0.582	27.53	0.566	27.50	0.562
20	16QAM	50	50	27.56	0.570	27.67	0.585	27.60	0.575
20	16QAM	100	0	27.52	0.565	27.65	0.582	27.55	0.569
20	64QAM	1	0	27.63	0.579	27.88	0.614	27.75	0.596
20	64QAM	1	49	27.74	0.594	27.84	0.608	27.61	0.577
20	64QAM	1	99	27.68	0.586	27.65	0.582	27.80	0.603
20	64QAM	50	0	26.61	0.458	26.59	0.456	26.53	0.450
20	64QAM	50	24	26.50	0.447	26.61	0.458	26.54	0.451
20	64QAM	50	50	26.49	0.446	26.70	0.468	26.55	0.452
20	64QAM	100	0	26.56	0.453	26.65	0.462	26.63	0.460



LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	29.63	0.918	29.72	0.938	29.47	0.885
15	QPSK	1	37	29.50	0.891	29.49	0.889	29.64	0.920
15	QPSK	1	74	29.42	0.875	29.41	0.873	29.70	0.933
15	QPSK	36	0	28.58	0.721	28.86	0.769	28.87	0.771
15	QPSK	36	20	28.58	0.721	28.68	0.738	28.69	0.740
15	QPSK	36	39	28.57	0.719	28.72	0.745	28.61	0.726
15	QPSK	75	0	28.44	0.698	28.73	0.746	28.62	0.728
15	16QAM	1	0	28.76	0.752	28.89	0.774	28.69	0.740
15	16QAM	1	37	28.70	0.741	28.63	0.729	28.78	0.755
15	16QAM	1	74	28.53	0.713	28.60	0.724	28.71	0.743
15	16QAM	36	0	27.62	0.578	27.71	0.590	27.61	0.577
15	16QAM	36	20	27.72	0.592	27.66	0.583	27.64	0.581
15	16QAM	36	39	27.61	0.577	27.37	0.546	27.38	0.547
15	16QAM	75	0	27.41	0.551	27.43	0.553	27.65	0.582
15	64QAM	1	0	27.89	0.615	27.90	0.617	27.69	0.587
15	64QAM	1	37	27.57	0.571	27.77	0.598	27.65	0.582
15	64QAM	1	74	27.69	0.587	27.75	0.596	27.75	0.596
15	64QAM	36	0	26.54	0.451	26.60	0.457	26.79	0.478
15	64QAM	36	20	26.51	0.448	26.74	0.472	26.55	0.452
15	64QAM	36	39	26.64	0.461	26.62	0.459	26.44	0.441
15	64QAM	75	0	26.49	0.446	26.47	0.444	26.68	0.466



LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	29.64	0.920	29.69	0.931	29.60	0.912
10	QPSK	1	25	29.56	0.904	29.66	0.925	29.48	0.887
10	QPSK	1	49	29.51	0.893	29.67	0.927	29.70	0.933
10	QPSK	25	0	28.69	0.740	28.65	0.733	28.84	0.766
10	QPSK	25	12	28.79	0.757	28.56	0.718	28.50	0.708
10	QPSK	25	25	28.68	0.738	28.50	0.708	28.48	0.705
10	QPSK	50	0	28.71	0.743	28.70	0.741	28.52	0.711
10	16QAM	1	0	28.67	0.736	28.71	0.743	28.79	0.757
10	16QAM	1	25	28.80	0.759	28.77	0.753	28.84	0.766
10	16QAM	1	49	28.74	0.748	28.60	0.724	28.73	0.746
10	16QAM	25	0	27.59	0.574	27.71	0.590	27.50	0.562
10	16QAM	25	12	27.67	0.585	27.74	0.594	27.72	0.592
10	16QAM	25	25	27.54	0.568	27.58	0.573	27.44	0.555
10	16QAM	50	0	27.65	0.582	27.69	0.587	27.55	0.569
10	64QAM	1	0	27.71	0.590	27.95	0.624	27.77	0.598
10	64QAM	1	25	27.62	0.578	27.61	0.577	27.67	0.585
10	64QAM	1	49	27.82	0.605	27.67	0.585	27.71	0.590
10	64QAM	25	0	26.49	0.446	26.69	0.467	26.63	0.460
10	64QAM	25	12	26.50	0.447	26.64	0.461	26.72	0.470
10	64QAM	25	25	26.53	0.450	26.59	0.456	26.38	0.435
10	64QAM	50	0	26.72	0.470	26.54	0.451	26.74	0.472



LTE Band 41 (Power Class 3)				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	29.69	0.931	29.67	0.927	29.67	0.927
5	QPSK	1	12	29.53	0.897	29.50	0.891	29.66	0.925
5	QPSK	1	24	29.67	0.927	29.41	0.873	29.52	0.895
5	QPSK	12	0	28.61	0.726	28.52	0.711	28.55	0.716
5	QPSK	12	7	28.59	0.723	28.62	0.728	28.65	0.733
5	QPSK	12	13	28.72	0.745	28.68	0.738	28.65	0.733
5	QPSK	25	0	28.69	0.740	28.45	0.700	28.66	0.735
5	16QAM	1	0	28.79	0.757	28.77	0.753	28.73	0.746
5	16QAM	1	12	28.83	0.764	28.71	0.743	28.72	0.745
5	16QAM	1	24	28.76	0.752	28.71	0.743	28.76	0.752
5	16QAM	12	0	27.68	0.586	27.70	0.589	27.79	0.601
5	16QAM	12	7	27.66	0.583	27.66	0.583	27.61	0.577
5	16QAM	12	13	27.51	0.564	27.59	0.574	27.51	0.564
5	16QAM	25	0	27.44	0.555	27.69	0.587	27.52	0.565
5	64QAM	1	0	27.88	0.614	27.94	0.622	27.87	0.612
5	64QAM	1	12	27.63	0.579	27.74	0.594	27.59	0.574
5	64QAM	1	24	27.68	0.586	27.82	0.605	27.57	0.571
5	64QAM	12	0	26.64	0.461	26.70	0.468	26.77	0.475
5	64QAM	12	7	26.49	0.446	26.66	0.463	26.76	0.474
5	64QAM	12	13	26.64	0.461	26.47	0.444	26.70	0.468
5	64QAM	25	0	26.68	0.466	26.53	0.450	26.43	0.440



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	26.79	0.478	26.88	0.488	26.85	0.484
20	QPSK	1	49	26.81	0.480	26.74	0.472	26.66	0.463
20	QPSK	1	99	26.58	0.455	26.76	0.474	26.69	0.467
20	QPSK	50	0	25.86	0.385	25.97	0.395	25.95	0.394
20	QPSK	50	24	25.81	0.381	25.76	0.377	25.63	0.366
20	QPSK	50	50	25.73	0.374	25.78	0.378	25.75	0.376
20	QPSK	100	0	25.62	0.365	25.86	0.385	25.75	0.376
20	16QAM	1	0	25.80	0.380	25.92	0.391	25.90	0.389
20	16QAM	1	49	25.63	0.366	25.78	0.378	25.83	0.383
20	16QAM	1	99	25.76	0.377	25.73	0.374	25.78	0.378
20	16QAM	50	0	24.88	0.308	24.93	0.311	24.79	0.301
20	16QAM	50	24	24.88	0.308	24.69	0.294	24.91	0.310
20	16QAM	50	50	24.59	0.288	24.83	0.304	24.67	0.293
20	16QAM	100	0	24.79	0.301	24.65	0.292	24.83	0.304
20	64QAM	1	0	24.89	0.308	24.87	0.307	24.81	0.303
20	64QAM	1	49	24.77	0.300	24.83	0.304	24.77	0.300
20	64QAM	1	99	24.63	0.290	24.72	0.296	24.74	0.298
20	64QAM	50	0	23.80	0.240	23.91	0.246	23.78	0.239
20	64QAM	50	24	23.70	0.234	23.63	0.231	23.83	0.242
20	64QAM	50	50	23.64	0.231	23.67	0.233	23.86	0.243
20	64QAM	100	0	23.84	0.242	23.76	0.238	23.80	0.240



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	26.80	0.479	26.82	0.481	26.75	0.473
15	QPSK	1	37	26.79	0.478	26.75	0.473	26.77	0.475
15	QPSK	1	74	26.70	0.468	26.73	0.471	26.73	0.471
15	QPSK	36	0	25.83	0.383	25.94	0.393	25.93	0.392
15	QPSK	36	20	25.70	0.372	25.77	0.378	25.69	0.371
15	QPSK	36	39	25.66	0.368	25.82	0.382	25.72	0.373
15	QPSK	75	0	25.57	0.361	25.66	0.368	25.77	0.378
15	16QAM	1	0	25.82	0.382	25.92	0.391	25.92	0.391
15	16QAM	1	37	25.77	0.378	25.87	0.386	25.83	0.383
15	16QAM	1	74	25.89	0.388	25.93	0.392	25.85	0.385
15	16QAM	36	0	24.78	0.301	24.90	0.309	24.80	0.302
15	16QAM	36	20	24.73	0.297	24.87	0.307	25.02	0.318
15	16QAM	36	39	24.70	0.295	24.74	0.298	24.94	0.312
15	16QAM	75	0	24.74	0.298	24.72	0.296	24.58	0.287
15	64QAM	1	0	24.80	0.302	24.90	0.309	24.81	0.303
15	64QAM	1	37	24.71	0.296	24.81	0.303	24.68	0.294
15	64QAM	1	74	24.84	0.305	24.88	0.308	24.90	0.309
15	64QAM	36	0	23.72	0.236	23.82	0.241	23.89	0.245
15	64QAM	36	20	23.80	0.240	23.83	0.242	23.63	0.231
15	64QAM	36	39	23.65	0.232	23.91	0.246	23.76	0.238
15	64QAM	75	0	23.58	0.228	23.78	0.239	23.91	0.246



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	26.81	0.480	26.86	0.485	26.82	0.481
10	QPSK	1	25	26.68	0.466	26.76	0.474	26.66	0.463
10	QPSK	1	49	26.69	0.467	26.82	0.481	26.60	0.457
10	QPSK	25	0	25.69	0.371	25.96	0.394	25.81	0.381
10	QPSK	25	12	25.89	0.388	25.94	0.393	25.92	0.391
10	QPSK	25	25	25.73	0.374	25.68	0.370	25.73	0.374
10	QPSK	50	0	25.76	0.377	25.98	0.396	25.68	0.370
10	16QAM	1	0	25.83	0.383	25.87	0.386	25.89	0.388
10	16QAM	1	25	25.90	0.389	25.83	0.383	25.82	0.382
10	16QAM	1	49	25.75	0.376	25.76	0.377	25.90	0.389
10	16QAM	25	0	24.89	0.308	24.95	0.313	24.93	0.311
10	16QAM	25	12	24.72	0.296	24.93	0.311	24.69	0.294
10	16QAM	25	25	24.66	0.292	24.60	0.288	24.74	0.298
10	16QAM	50	0	24.76	0.299	24.84	0.305	24.67	0.293
10	64QAM	1	0	24.83	0.304	24.95	0.313	24.92	0.310
10	64QAM	1	25	24.69	0.294	24.74	0.298	24.82	0.303
10	64QAM	1	49	24.64	0.291	24.78	0.301	24.83	0.304
10	64QAM	25	0	23.59	0.229	23.84	0.242	23.70	0.234
10	64QAM	25	12	23.72	0.236	23.80	0.240	23.84	0.242
10	64QAM	25	25	23.66	0.232	23.82	0.241	23.61	0.230
10	64QAM	50	0	23.76	0.238	23.87	0.244	23.61	0.230



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	26.73	0.471	26.85	0.484	26.80	0.479
5	QPSK	1	12	26.84	0.483	26.78	0.476	26.78	0.476
5	QPSK	1	24	26.78	0.476	26.83	0.482	26.57	0.454
5	QPSK	12	0	25.79	0.379	25.83	0.383	25.83	0.383
5	QPSK	12	7	25.87	0.386	25.70	0.372	25.65	0.367
5	QPSK	12	13	25.67	0.369	25.69	0.371	25.58	0.361
5	QPSK	25	0	25.71	0.372	25.72	0.373	25.86	0.385
5	16QAM	1	0	25.95	0.394	25.93	0.392	25.80	0.380
5	16QAM	1	12	25.90	0.389	25.82	0.382	25.79	0.379
5	16QAM	1	24	25.66	0.368	25.84	0.384	25.73	0.374
5	16QAM	12	0	24.78	0.301	24.76	0.299	24.83	0.304
5	16QAM	12	7	24.71	0.296	24.82	0.303	24.88	0.308
5	16QAM	12	13	24.58	0.287	24.64	0.291	24.61	0.289
5	16QAM	25	0	24.47	0.280	24.67	0.293	24.72	0.296
5	64QAM	1	0	24.75	0.299	24.86	0.306	24.79	0.301
5	64QAM	1	12	24.96	0.313	24.91	0.310	24.89	0.308
5	64QAM	1	24	24.59	0.288	24.70	0.295	24.80	0.302
5	64QAM	12	0	23.90	0.245	23.77	0.238	23.84	0.242
5	64QAM	12	7	23.73	0.236	23.87	0.244	23.85	0.243
5	64QAM	12	13	23.66	0.232	23.82	0.241	23.85	0.243
5	64QAM	25	0	23.63	0.231	23.77	0.238	23.72	0.236



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	26.75	0.473	26.84	0.483	26.75	0.473
3	QPSK	1	8	26.66	0.463	26.78	0.476	26.66	0.463
3	QPSK	1	14	26.67	0.465	26.70	0.468	26.82	0.481
3	QPSK	8	0	25.72	0.373	25.84	0.384	25.85	0.385
3	QPSK	8	4	25.82	0.382	25.86	0.385	25.78	0.378
3	QPSK	8	7	25.64	0.366	25.71	0.372	25.53	0.357
3	QPSK	15	0	25.81	0.381	25.67	0.369	25.70	0.372
3	16QAM	1	0	25.84	0.384	25.93	0.392	25.91	0.390
3	16QAM	1	8	25.94	0.393	25.90	0.389	25.76	0.377
3	16QAM	1	14	25.75	0.376	25.89	0.388	25.84	0.384
3	16QAM	8	0	24.75	0.299	24.78	0.301	24.97	0.314
3	16QAM	8	4	24.76	0.299	24.79	0.301	24.95	0.313
3	16QAM	8	7	24.69	0.294	24.64	0.291	24.77	0.300
3	16QAM	15	0	24.72	0.296	24.87	0.307	24.60	0.288
3	64QAM	1	0	24.80	0.302	24.94	0.312	24.88	0.308
3	64QAM	1	8	24.89	0.308	24.89	0.308	24.89	0.308
3	64QAM	1	14	24.65	0.292	24.76	0.299	24.80	0.302
3	64QAM	8	0	23.76	0.238	23.88	0.244	23.90	0.245
3	64QAM	8	4	23.69	0.234	23.73	0.236	23.69	0.234
3	64QAM	8	7	23.68	0.233	23.77	0.238	23.63	0.231
3	64QAM	15	0	23.71	0.235	23.82	0.241	23.94	0.248



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	26.77	0.475	26.83	0.482	26.72	0.470
1.4	QPSK	1	3	26.64	0.461	26.79	0.478	26.76	0.474
1.4	QPSK	1	5	26.67	0.465	26.72	0.470	26.68	0.466
1.4	QPSK	3	0	25.72	0.373	25.79	0.379	25.74	0.375
1.4	QPSK	3	1	25.73	0.374	25.72	0.373	25.93	0.392
1.4	QPSK	3	3	25.80	0.380	25.87	0.386	25.76	0.377
1.4	QPSK	6	0	25.84	0.384	25.67	0.369	25.87	0.386
1.4	16QAM	1	0	25.88	0.387	25.90	0.389	25.86	0.385
1.4	16QAM	1	3	25.76	0.377	25.89	0.388	25.81	0.381
1.4	16QAM	1	5	25.62	0.365	25.94	0.393	25.84	0.384
1.4	16QAM	3	0	24.64	0.291	24.83	0.304	24.78	0.301
1.4	16QAM	3	1	24.72	0.296	24.92	0.310	24.92	0.310
1.4	16QAM	3	3	24.59	0.288	24.76	0.299	24.90	0.309
1.4	16QAM	6	0	24.72	0.296	24.90	0.309	24.75	0.299
1.4	64QAM	1	0	24.78	0.301	24.93	0.311	24.87	0.307
1.4	64QAM	1	3	24.91	0.310	24.85	0.305	24.88	0.308
1.4	64QAM	1	5	24.63	0.290	24.75	0.299	24.79	0.301
1.4	64QAM	3	0	23.72	0.236	23.96	0.249	23.97	0.249
1.4	64QAM	3	1	23.64	0.231	23.82	0.241	23.92	0.247
1.4	64QAM	3	3	23.65	0.232	23.67	0.233	23.60	0.229
1.4	64QAM	6	0	23.61	0.230	23.65	0.232	23.77	0.238



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	23.10	0.204	23.20	0.209	23.12	0.205
20	QPSK	1	49	23.09	0.204	23.17	0.207	23.08	0.203
20	QPSK	1	99	23.05	0.202	23.03	0.201	22.96	0.198
20	QPSK	50	0	22.27	0.169	22.16	0.164	22.24	0.167
20	QPSK	50	24	22.01	0.159	22.26	0.168	22.04	0.160
20	QPSK	50	50	21.95	0.157	22.07	0.161	21.98	0.158
20	QPSK	100	0	22.00	0.158	21.91	0.155	22.04	0.160
20	16QAM	1	0	22.20	0.166	22.33	0.171	22.23	0.167
20	16QAM	1	49	22.11	0.163	22.15	0.164	22.03	0.160
20	16QAM	1	99	22.01	0.159	22.20	0.166	22.06	0.161
20	16QAM	50	0	21.19	0.132	21.20	0.132	21.09	0.129
20	16QAM	50	24	21.15	0.130	20.96	0.125	20.98	0.125
20	16QAM	50	50	20.99	0.126	21.03	0.127	20.95	0.124
20	16QAM	100	0	20.99	0.126	21.16	0.131	21.13	0.130
20	64QAM	1	0	21.27	0.134	21.27	0.134	21.05	0.127
20	64QAM	1	49	21.14	0.130	21.35	0.136	21.27	0.134
20	64QAM	1	99	21.08	0.128	21.22	0.132	21.13	0.130
20	64QAM	50	0	20.10	0.102	20.17	0.104	20.12	0.103
20	64QAM	50	24	19.91	0.098	20.23	0.105	20.04	0.101
20	64QAM	50	50	20.02	0.100	20.10	0.102	20.03	0.101
20	64QAM	100	0	20.07	0.102	20.19	0.104	20.24	0.106



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	23.09	0.204	23.17	0.207	23.12	0.205
15	QPSK	1	37	23.03	0.201	23.16	0.207	23.11	0.205
15	QPSK	1	74	23.09	0.204	23.10	0.204	23.07	0.203
15	QPSK	36	0	22.28	0.169	22.30	0.170	22.19	0.166
15	QPSK	36	20	22.15	0.164	22.12	0.163	22.12	0.163
15	QPSK	36	39	21.95	0.157	22.14	0.164	21.96	0.157
15	QPSK	75	0	21.85	0.153	21.91	0.155	21.88	0.154
15	16QAM	1	0	22.36	0.172	22.41	0.174	22.18	0.165
15	16QAM	1	37	22.16	0.164	22.40	0.174	22.25	0.168
15	16QAM	1	74	22.11	0.163	22.28	0.169	22.17	0.165
15	16QAM	36	0	21.07	0.128	21.16	0.131	21.15	0.130
15	16QAM	36	20	21.02	0.126	21.15	0.130	21.13	0.130
15	16QAM	36	39	20.99	0.126	20.91	0.123	21.20	0.132
15	16QAM	75	0	21.11	0.129	21.17	0.131	21.06	0.128
15	64QAM	1	0	21.19	0.132	21.39	0.138	21.17	0.131
15	64QAM	1	37	21.22	0.132	21.26	0.134	21.15	0.130
15	64QAM	1	74	21.20	0.132	21.07	0.128	21.21	0.132
15	64QAM	36	0	20.06	0.101	20.12	0.103	19.95	0.099
15	64QAM	36	20	19.87	0.097	20.15	0.104	19.98	0.100
15	64QAM	36	39	20.06	0.101	19.87	0.097	20.00	0.100
15	64QAM	75	0	20.12	0.103	20.03	0.101	19.95	0.099



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	23.04	0.201	23.16	0.207	23.13	0.206
10	QPSK	1	25	23.09	0.204	22.94	0.197	23.00	0.200
10	QPSK	1	49	23.07	0.203	22.93	0.196	23.08	0.203
10	QPSK	25	0	22.21	0.166	22.25	0.168	22.14	0.164
10	QPSK	25	12	22.11	0.163	22.23	0.167	21.98	0.158
10	QPSK	25	25	21.92	0.156	21.96	0.157	21.90	0.155
10	QPSK	50	0	22.03	0.160	22.12	0.163	22.21	0.166
10	16QAM	1	0	22.37	0.173	22.38	0.173	22.29	0.169
10	16QAM	1	25	22.11	0.163	22.21	0.166	22.29	0.169
10	16QAM	1	49	22.09	0.162	22.04	0.160	22.11	0.163
10	16QAM	25	0	21.11	0.129	21.19	0.132	21.27	0.134
10	16QAM	25	12	20.95	0.124	21.12	0.129	21.20	0.132
10	16QAM	25	25	20.99	0.126	21.04	0.127	21.11	0.129
10	16QAM	50	0	21.09	0.129	20.98	0.125	21.14	0.130
10	64QAM	1	0	21.09	0.129	21.28	0.134	21.30	0.135
10	64QAM	1	25	21.20	0.132	21.08	0.128	21.10	0.129
10	64QAM	1	49	21.17	0.131	21.25	0.133	21.10	0.129
10	64QAM	25	0	20.17	0.104	20.18	0.104	20.11	0.103
10	64QAM	25	12	19.98	0.100	20.04	0.101	20.13	0.103
10	64QAM	25	25	20.03	0.101	19.96	0.099	19.94	0.099
10	64QAM	50	0	20.06	0.101	20.15	0.104	20.19	0.104



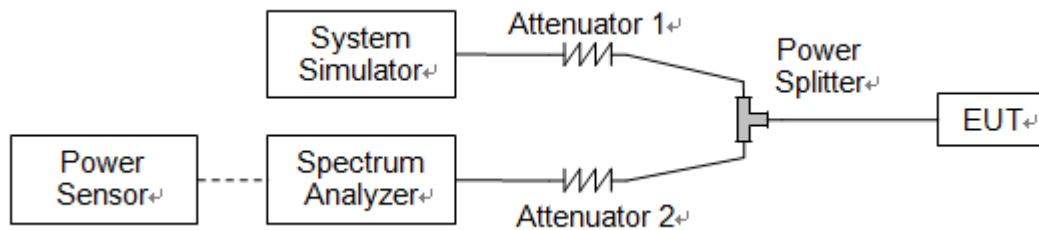
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.14	0.206	23.15	0.207	22.94	0.197
5	QPSK	1	12	22.86	0.193	23.12	0.205	23.04	0.201
5	QPSK	1	24	22.92	0.196	22.95	0.197	22.87	0.194
5	QPSK	12	0	21.97	0.157	22.16	0.164	22.16	0.164
5	QPSK	12	7	21.85	0.153	21.95	0.157	22.08	0.161
5	QPSK	12	13	21.85	0.153	22.11	0.163	21.99	0.158
5	QPSK	25	0	22.05	0.160	22.21	0.166	22.15	0.164
5	16QAM	1	0	22.25	0.168	22.41	0.174	22.32	0.171
5	16QAM	1	12	22.10	0.162	22.12	0.163	22.07	0.161
5	16QAM	1	24	22.10	0.162	22.12	0.163	22.03	0.160
5	16QAM	12	0	21.10	0.129	21.12	0.129	21.14	0.130
5	16QAM	12	7	20.87	0.122	20.96	0.125	21.06	0.128
5	16QAM	12	13	21.04	0.127	21.03	0.127	21.01	0.126
5	16QAM	25	0	21.10	0.129	21.04	0.127	21.05	0.127
5	64QAM	1	0	21.21	0.132	21.17	0.131	21.04	0.127
5	64QAM	1	12	21.03	0.127	21.03	0.127	21.17	0.131
5	64QAM	1	24	20.96	0.125	21.20	0.132	21.22	0.132
5	64QAM	12	0	20.00	0.100	20.16	0.104	20.06	0.101
5	64QAM	12	7	20.15	0.104	20.14	0.103	20.04	0.101
5	64QAM	12	13	19.87	0.097	19.90	0.098	20.03	0.101
5	64QAM	25	0	20.08	0.102	20.13	0.103	20.22	0.105

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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

2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.09	1.23
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.23
	Mid	64QAM	1.10	1.24
	High	QPSK	1.09	1.23
	High	16QAM	1.09	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.71	3.00
	Low	64QAM	2.71	3.01
	Mid	QPSK	2.70	2.97
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.71	2.99
	High	QPSK	2.70	3.00
	High	16QAM	2.70	2.99
	High	64QAM	2.71	2.99
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.51	4.96
	Low	64QAM	4.51	4.96
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.50	4.97
	Mid	64QAM	4.50	4.96
	High	QPSK	4.50	4.97
	High	16QAM	4.51	4.99
	High	64QAM	4.51	4.93
10	Low	QPSK	9.01	9.82
	Low	16QAM	8.97	9.75
	Low	64QAM	8.99	9.78
	Mid	QPSK	8.99	9.80
	Mid	16QAM	8.97	9.73
	Mid	64QAM	8.99	9.87
	High	QPSK	8.98	9.79
	High	16QAM	8.96	9.73
	High	64QAM	8.98	9.85



15	Low	QPSK	13.48	14.64
	Low	16QAM	13.45	14.65
	Low	64QAM	13.46	14.60
	Mid	QPSK	13.63	14.44
	Mid	16QAM	13.47	14.71
	Mid	64QAM	13.45	14.65
	High	QPSK	13.44	14.66
	High	16QAM	13.45	14.61
	High	64QAM	13.43	14.55
20	Low	QPSK	17.90	19.33
	Low	16QAM	18.16	19.06
	Low	64QAM	17.90	19.45
	Mid	QPSK	17.95	19.50
	Mid	16QAM	17.94	19.53
	Mid	64QAM	17.95	19.54
	High	QPSK	17.91	19.56
	High	16QAM	17.94	19.47
	High	64QAM	17.92	19.45



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.10	1.24
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.09	1.23
	Mid	16QAM	1.10	1.23
	Mid	64QAM	1.09	1.23
	High	QPSK	1.09	1.23
	High	16QAM	1.09	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	3.00
	Low	16QAM	2.71	3.01
	Low	64QAM	2.71	3.00
	Mid	QPSK	2.70	3.01
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.71	3.02
	High	QPSK	2.70	2.99
	High	16QAM	2.70	3.02
	High	64QAM	2.71	3.00
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.50	4.95
	Low	64QAM	4.50	4.95
	Mid	QPSK	4.51	5.00
	Mid	16QAM	4.51	4.97
	Mid	64QAM	4.51	4.97
	High	QPSK	4.50	4.99
	High	16QAM	4.51	4.97
	High	64QAM	4.50	4.94
10	Low	QPSK	9.00	9.81
	Low	16QAM	8.98	9.75
	Low	64QAM	8.98	9.80
	Mid	QPSK	8.98	9.83
	Mid	16QAM	8.95	9.76
	Mid	64QAM	8.97	9.84
	High	QPSK	9.01	9.80
	High	16QAM	8.98	9.72
	High	64QAM	8.97	9.83



15	Low	QPSK	13.50	14.65
	Low	16QAM	13.47	14.62
	Low	64QAM	13.46	14.60
	Mid	QPSK	13.48	14.64
	Mid	16QAM	13.43	14.64
	Mid	64QAM	13.44	14.62
	High	QPSK	13.48	14.66
	High	16QAM	13.48	14.67
	High	64QAM	13.47	14.67
20	Low	QPSK	17.96	19.46
	Low	16QAM	17.96	19.39
	Low	64QAM	17.97	19.50
	Mid	QPSK	17.93	19.54
	Mid	16QAM	17.92	19.39
	Mid	64QAM	17.93	19.38
	High	QPSK	17.98	19.59
	High	16QAM	17.99	19.54
	High	64QAM	17.99	19.52



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.25
	Low	16QAM	1.09	1.24
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.10	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	3.01
	Low	64QAM	2.70	2.98
	Mid	QPSK	2.70	2.98
	Mid	16QAM	2.71	3.01
	Mid	64QAM	2.70	3.00
	High	QPSK	2.70	2.99
	High	16QAM	2.70	3.00
	High	64QAM	2.71	2.97
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.51	4.96
	Low	64QAM	4.52	4.96
	Mid	QPSK	4.50	4.96
	Mid	16QAM	4.51	4.97
	Mid	64QAM	4.51	4.99
	High	QPSK	4.50	4.98
	High	16QAM	4.51	4.96
	High	64QAM	4.51	4.94
10	Low	QPSK	9.01	9.82
	Low	16QAM	8.96	9.79
	Low	64QAM	8.98	9.80
	Mid	QPSK	9.00	9.81
	Mid	16QAM	8.96	9.77
	Mid	64QAM	8.98	9.84
	High	QPSK	8.98	9.80
	High	16QAM	8.94	9.73
	High	64QAM	8.96	9.77



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.51	4.98
	Low	64QAM	4.52	4.96
	Mid	QPSK	4.51	5.02
	Mid	16QAM	4.51	4.95
	Mid	64QAM	4.51	5.01
	High	QPSK	4.51	4.99
	High	16QAM	4.51	4.98
	High	64QAM	4.51	4.95
10	Low	QPSK	9.02	9.82
	Low	16QAM	8.97	9.70
	Low	64QAM	8.98	9.80
	Mid	QPSK	8.98	9.80
	Mid	16QAM	8.98	9.79
	Mid	64QAM	8.99	9.84
	High	QPSK	9.01	9.81
	High	16QAM	8.97	9.77
	High	64QAM	8.98	9.81
15	Low	QPSK	13.44	14.60
	Low	16QAM	13.47	14.65
	Low	64QAM	13.44	14.58
	Mid	QPSK	13.45	14.67
	Mid	16QAM	13.46	14.58
	Mid	64QAM	13.45	14.64
	High	QPSK	13.45	14.68
	High	16QAM	13.47	14.66
	High	64QAM	13.43	14.66
20	Low	QPSK	17.91	19.50
	Low	16QAM	17.96	19.55
	Low	64QAM	17.93	19.36
	Mid	QPSK	17.94	19.39
	Mid	16QAM	17.98	19.45
	Mid	64QAM	17.96	19.48
	High	QPSK	17.93	19.51
	High	16QAM	17.96	19.51
	High	64QAM	17.92	19.34



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.10	1.23
	Low	64QAM	1.09	1.23
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.10	1.23
	High	QPSK	1.09	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	2.99
	Low	64QAM	2.70	2.99
	Mid	QPSK	2.70	3.01
	Mid	16QAM	2.71	3.02
	Mid	64QAM	2.71	3.01
	High	QPSK	2.69	3.00
	High	16QAM	2.70	3.00
	High	64QAM	2.71	2.98
5	Low	QPSK	4.51	4.98
	Low	16QAM	4.51	4.97
	Low	64QAM	4.52	4.99
	Mid	QPSK	4.50	5.01
	Mid	16QAM	4.51	4.99
	Mid	64QAM	4.52	4.95
	High	QPSK	4.50	4.95
	High	16QAM	4.51	4.96
	High	64QAM	4.50	4.97
10	Low	QPSK	8.99	9.82
	Low	16QAM	8.98	9.73
	Low	64QAM	9.00	9.80
	Mid	QPSK	8.99	9.78
	Mid	16QAM	8.97	9.76
	Mid	64QAM	9.00	9.82
	High	QPSK	8.98	9.83
	High	16QAM	8.97	9.75
	High	64QAM	8.98	9.79



LTE Band 13				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.96
	Low	16QAM	4.50	4.95
	Low	64QAM	4.51	4.95
	Mid	QPSK	4.50	5.00
	Mid	16QAM	4.51	4.99
	Mid	64QAM	4.51	4.96
	High	QPSK	4.51	5.02
	High	16QAM	4.51	4.99
	High	64QAM	4.51	4.98
10	Mid	QPSK	8.99	9.81
	Mid	16QAM	8.96	9.72
	Mid	64QAM	8.97	9.80

LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.51	4.97
	Low	64QAM	4.50	5.00
	Mid	QPSK	4.50	5.00
	Mid	16QAM	4.51	4.95
	Mid	64QAM	4.52	4.97
	High	QPSK	4.50	4.96
	High	16QAM	4.50	4.95
	High	64QAM	4.52	4.97
10	Low	QPSK	8.98	9.78
	Low	16QAM	8.95	9.72
	Low	64QAM	8.98	9.77
	Mid	QPSK	9.00	9.80
	Mid	16QAM	8.97	9.74
	Mid	64QAM	8.97	9.81
	High	QPSK	8.99	9.78
	High	16QAM	8.95	9.75
	High	64QAM	8.99	9.79



LTE Band 25				
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	1.23
	High	16QAM	1.10	1.24
	High	64QAM	1.10	1.24
3	Low	QPSK	2.70	3.00
	Low	16QAM	2.71	3.00
	Low	64QAM	2.71	2.99
	Mid	QPSK	2.70	2.98
	Mid	16QAM	2.71	3.02
	Mid	64QAM	2.71	2.99
	High	QPSK	2.70	2.98
	High	16QAM	2.70	2.99
	High	64QAM	2.71	2.99
5	Low	QPSK	4.51	4.97
	Low	16QAM	4.51	5.00
	Low	64QAM	4.51	4.98
	Mid	QPSK	4.51	4.98
	Mid	16QAM	4.51	4.94
	Mid	64QAM	4.52	5.00
	High	QPSK	4.51	4.99
	High	16QAM	4.51	4.99
	High	64QAM	4.51	5.00
10	Low	QPSK	9.01	9.78
	Low	16QAM	8.97	9.74
	Low	64QAM	8.99	9.84
	Mid	QPSK	8.99	9.80
	Mid	16QAM	8.97	9.72
	Mid	64QAM	8.98	9.82
	High	QPSK	8.99	9.81
	High	16QAM	8.97	9.75
	High	64QAM	8.98	9.84



15	Low	QPSK	13.46	14.61
	Low	16QAM	13.44	14.57
	Low	64QAM	13.44	14.74
	Mid	QPSK	13.45	14.63
	Mid	16QAM	13.47	14.60
	Mid	64QAM	13.46	14.74
	High	QPSK	13.46	14.64
	High	16QAM	13.46	14.70
	High	64QAM	13.45	14.67
20	Low	QPSK	17.90	19.39
	Low	16QAM	17.92	19.38
	Low	64QAM	17.91	19.50
	Mid	QPSK	17.90	19.54
	Mid	16QAM	17.94	19.52
	Mid	64QAM	17.97	19.55
	High	QPSK	17.91	19.49
	High	16QAM	17.92	19.18
	High	64QAM	17.94	19.45



LTE Band 26				
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	1.23
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.10	1.24
	High	QPSK	1.09	1.23
	High	16QAM	1.10	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	2.99
	Low	64QAM	2.71	2.98
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.70	3.02
	Mid	64QAM	2.71	2.98
	High	QPSK	2.71	3.00
	High	16QAM	2.70	3.01
	High	64QAM	2.71	2.98
5	Low	QPSK	4.50	5.00
	Low	16QAM	4.51	4.98
	Low	64QAM	4.52	4.98
	Mid	QPSK	4.51	5.01
	Mid	16QAM	4.51	4.97
	Mid	64QAM	4.52	4.95
	High	QPSK	4.51	5.00
	High	16QAM	4.51	4.97
	High	64QAM	4.51	4.95
10	Low	QPSK	8.97	9.80
	Low	16QAM	8.95	9.83
	Low	64QAM	8.99	9.82
	Mid	QPSK	8.99	9.81
	Mid	16QAM	8.97	9.77
	Mid	64QAM	8.98	9.82
	High	QPSK	9.00	9.78
	High	16QAM	8.94	9.68
	High	64QAM	8.96	9.78



15	Low	QPSK	13.46	14.66
	Low	16QAM	13.44	14.57
	Low	64QAM	13.41	14.71
	Mid	QPSK	13.45	14.62
	Mid	16QAM	13.45	14.68
	Mid	64QAM	13.40	14.73
	High	QPSK	13.46	14.61
	High	16QAM	13.41	14.69
	High	64QAM	13.42	14.73

LTE Band 30				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.00
	Low	16QAM	4.51	4.96
	Low	64QAM	4.51	5.00
	Mid	QPSK	4.51	4.98
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.52	4.98
	High	QPSK	4.52	4.98
	High	16QAM	4.50	4.98
	High	64QAM	4.52	4.99
10	Mid	QPSK	9.01	9.77
	Mid	16QAM	8.96	9.78
	Mid	64QAM	8.98	9.81



LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.03
	Low	16QAM	4.51	4.99
	Low	64QAM	4.52	4.97
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.50	4.95
	Mid	64QAM	4.52	4.95
	High	QPSK	4.52	4.96
	High	16QAM	4.51	5.08
	High	64QAM	4.51	4.98
10	Low	QPSK	8.96	9.67
	Low	16QAM	8.96	9.75
	Low	64QAM	8.97	9.77
	Mid	QPSK	8.97	9.73
	Mid	16QAM	8.97	9.73
	Mid	64QAM	8.97	9.80
	High	QPSK	8.97	9.66
	High	16QAM	8.98	9.69
	High	64QAM	8.95	9.80
15	Low	QPSK	13.45	14.60
	Low	16QAM	13.46	14.67
	Low	64QAM	13.41	14.61
	Mid	QPSK	13.44	14.51
	Mid	16QAM	13.48	14.56
	Mid	64QAM	13.43	14.56
	High	QPSK	13.45	14.53
	High	16QAM	13.43	14.72
	High	64QAM	13.41	14.62
20	Low	QPSK	17.94	19.40
	Low	16QAM	17.90	19.49
	Low	64QAM	17.92	19.50
	Mid	QPSK	17.93	19.37
	Mid	16QAM	17.88	19.40
	Mid	64QAM	17.88	19.51
	High	QPSK	17.86	19.15
	High	16QAM	17.82	19.28
	High	64QAM	17.83	19.18



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.09	1.24
	Low	64QAM	1.10	1.23
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.09	1.23
	Mid	64QAM	1.10	1.23
	High	QPSK	1.09	1.24
	High	16QAM	1.09	1.24
	High	64QAM	1.10	1.23
3	Low	QPSK	2.70	3.00
	Low	16QAM	2.70	3.00
	Low	64QAM	2.71	2.99
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.71	3.01
	Mid	64QAM	2.70	3.00
	High	QPSK	2.70	2.99
	High	16QAM	2.70	3.01
	High	64QAM	2.70	2.99
5	Low	QPSK	4.51	5.00
	Low	16QAM	4.51	4.93
	Low	64QAM	4.51	5.00
	Mid	QPSK	4.51	4.99
	Mid	16QAM	4.51	4.92
	Mid	64QAM	4.52	4.98
	High	QPSK	4.50	4.95
	High	16QAM	4.50	4.99
	High	64QAM	4.51	4.97
10	Low	QPSK	8.99	9.75
	Low	16QAM	8.97	9.75
	Low	64QAM	9.00	9.83
	Mid	QPSK	9.02	9.80
	Mid	16QAM	8.97	9.77
	Mid	64QAM	8.99	9.84
	High	QPSK	9.01	9.84
	High	16QAM	8.97	9.72
	High	64QAM	8.99	9.85



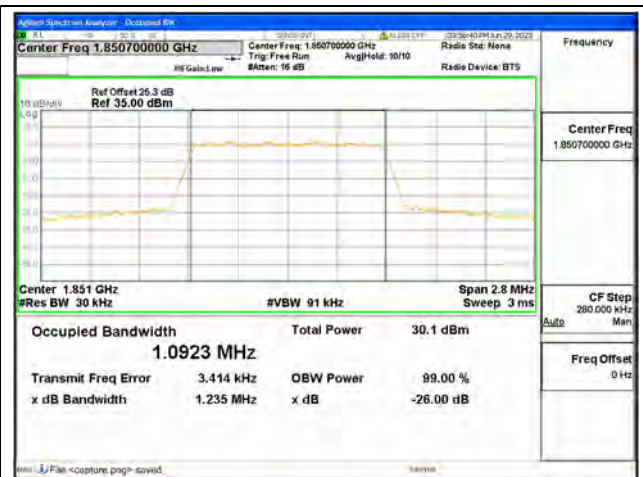
15	Low	QPSK	13.45	14.61
	Low	16QAM	13.45	14.67
	Low	64QAM	13.44	14.57
	Mid	QPSK	13.48	14.65
	Mid	16QAM	13.48	14.57
	Mid	64QAM	13.46	14.77
	High	QPSK	13.48	14.67
	High	16QAM	13.48	14.58
	High	64QAM	13.46	14.67
20	Low	QPSK	17.94	19.41
	Low	16QAM	17.97	19.48
	Low	64QAM	17.91	19.50
	Mid	QPSK	17.99	19.62
	Mid	16QAM	17.97	19.55
	Mid	64QAM	17.98	19.34
	High	QPSK	17.96	19.43
	High	16QAM	17.95	19.48
	High	64QAM	17.96	19.45



LTE Band 71				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.98
	Low	16QAM	4.50	4.95
	Low	64QAM	4.49	4.94
	Mid	QPSK	4.50	5.00
	Mid	16QAM	4.49	4.98
	Mid	64QAM	4.50	4.95
	High	QPSK	4.49	4.97
	High	16QAM	4.50	4.99
	High	64QAM	4.49	4.94
10	Low	QPSK	9.01	9.74
	Low	16QAM	8.97	9.83
	Low	64QAM	8.99	9.81
	Mid	QPSK	9.02	9.83
	Mid	16QAM	8.98	9.74
	Mid	64QAM	9.00	9.77
	High	QPSK	9.02	9.80
	High	16QAM	8.97	9.80
	High	64QAM	8.99	9.82
15	Low	QPSK	13.45	14.62
	Low	16QAM	13.45	14.63
	Low	64QAM	13.43	14.56
	Mid	QPSK	13.47	14.72
	Mid	16QAM	13.46	14.78
	Mid	64QAM	13.46	14.62
	High	QPSK	13.48	14.68
	High	16QAM	13.45	14.75
	High	64QAM	13.45	14.74
20	Low	QPSK	17.92	19.54
	Low	16QAM	17.93	19.50
	Low	64QAM	17.93	19.49
	Mid	QPSK	17.93	19.54
	Mid	16QAM	17.96	19.53
	Mid	64QAM	17.94	19.51
	High	QPSK	17.90	19.51
	High	16QAM	17.96	19.42
	High	64QAM	17.95	19.43



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



Band 2 / 1.4MHz / QPSK/ High CH



Band 2 / 1.4MHz / 16QAM/ High CH



Band 2 / 1.4MHz / 64QAM/ High CH



Band 2 / 3MHz / QPSK/ Low CH



Band 2 / 3MHz / 16QAM/ Low CH



Band 2 / 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



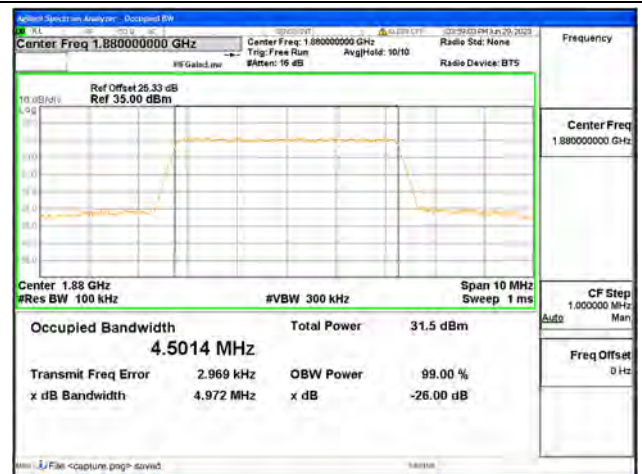
Band2 / 5MHz / QPSK/ Low CH



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



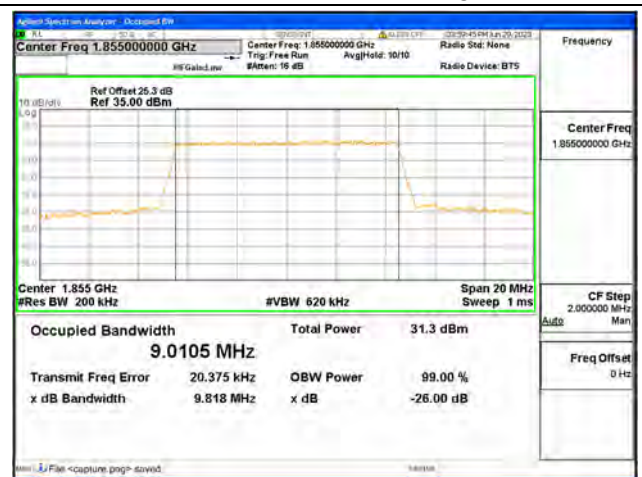
Band2 / 5MHz / QPSK/ High CH



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



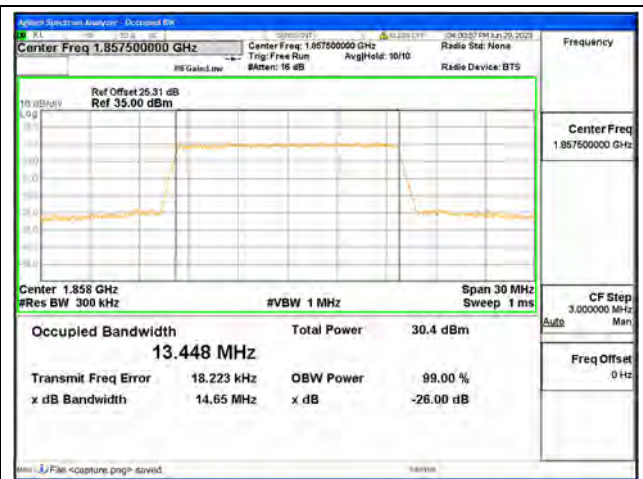
Band2 / 10MHz / 16QAM/ High CH



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



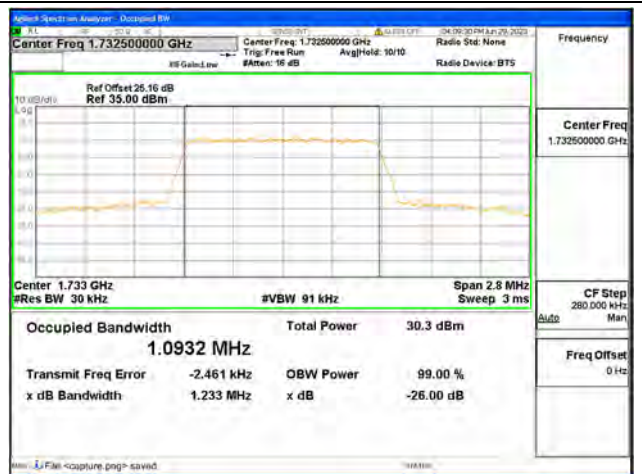
Band4 / 1.4MHz / QPSK/ Low CH



Band4 / 1.4MHz / 16QAM/ Low CH



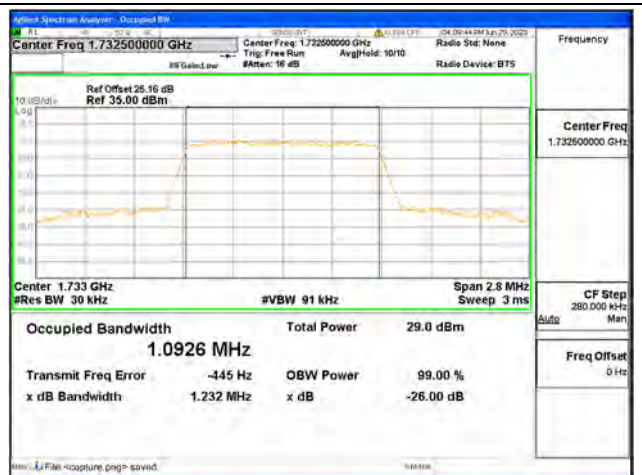
Band4 / 1.4MHz / 64QAM/ Low CH



Band4 / 1.4MHz / QPSK/ Mid CH



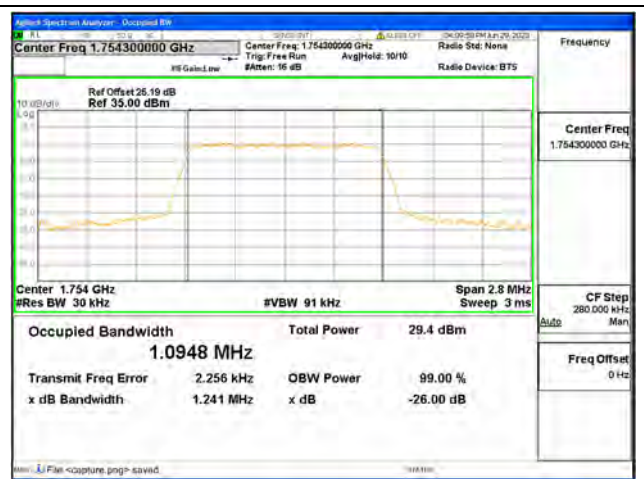
Band4 / 1.4MHz / 16QAM/ Mid CH



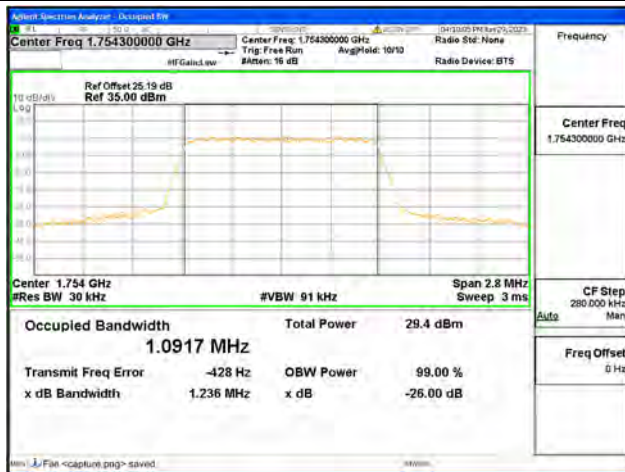
Band4 / 1.4MHz / 64QAM/ Mid CH



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



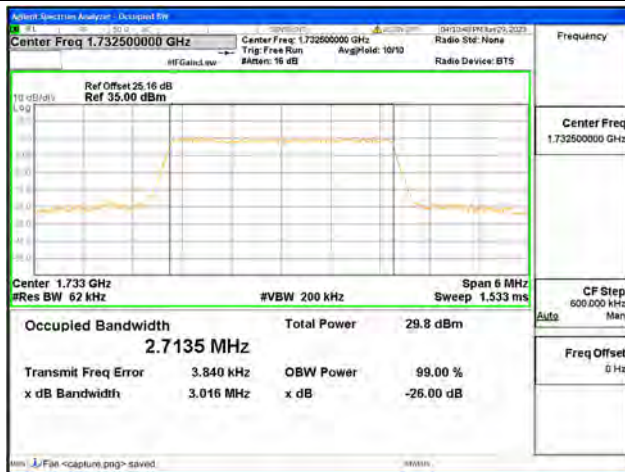
Band4 / 3MHz / 64QAM/ Low CH



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



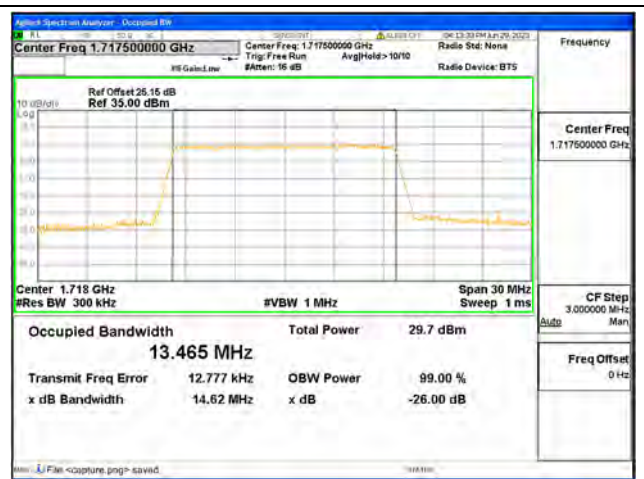
Band4 / 10MHz / 16QAM/ High CH



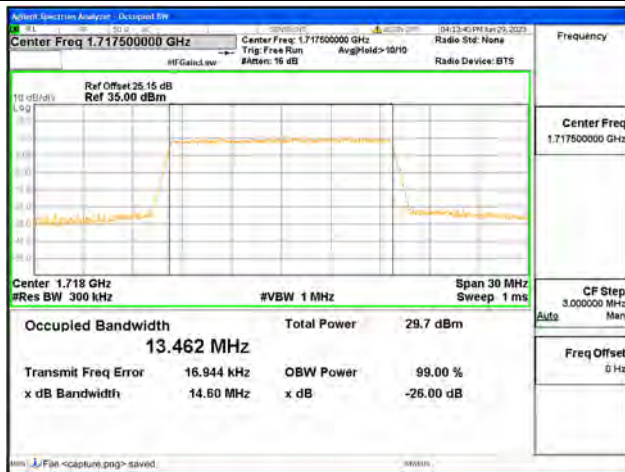
Band4 / 10MHz / 64QAM/ High CH



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



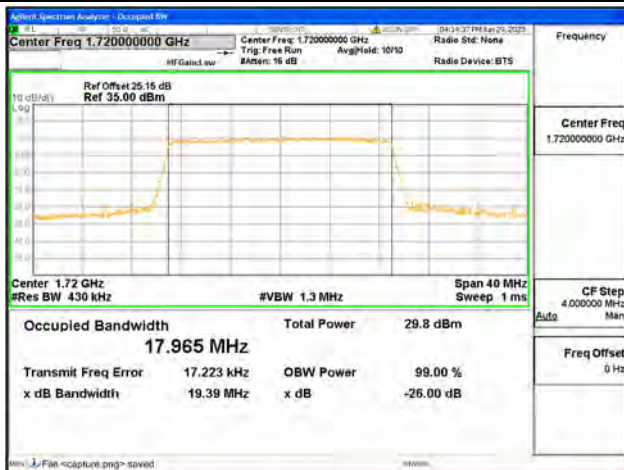
Band4 / 15MHz / 16QAM/ High CH



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



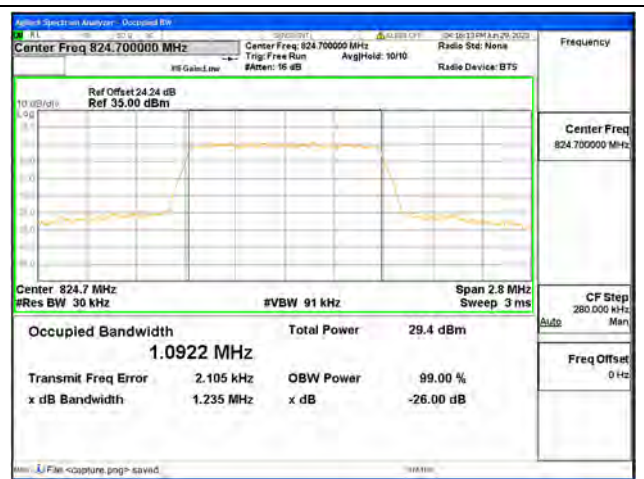
Band4 / 20MHz / 16QAM/ High CH



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



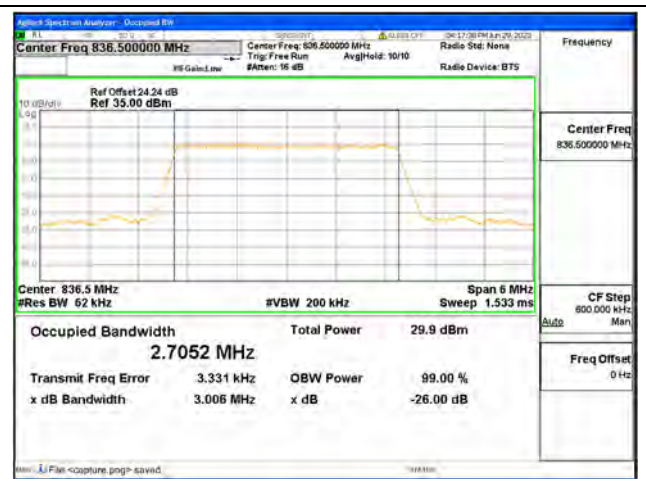
Band5 / 3MHz / 16QAM/ Low CH



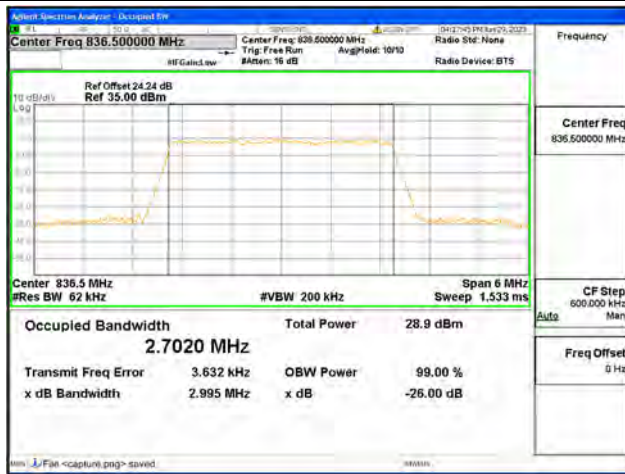
Band5 / 3MHz / 64QAM/ Low CH



Band5 / 3MHz / QPSK/ Mid CH



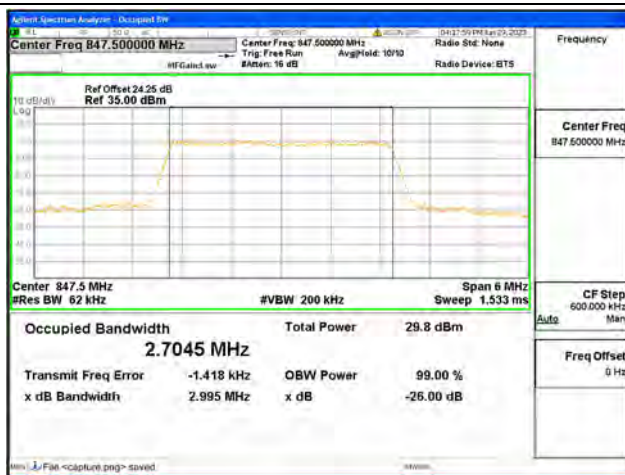
Band5 / 3MHz / 16QAM/ Mid CH



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



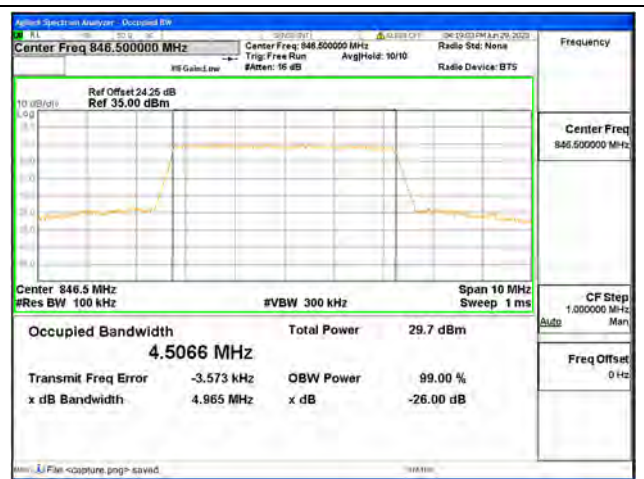
Band5 / 5MHz / 16QAM/ Mid CH



Band5 / 5MHz / 64QAM/ Mid CH



Band5 / 5MHz / QPSK/ High CH



Band5 / 5MHz / 16QAM/ High CH



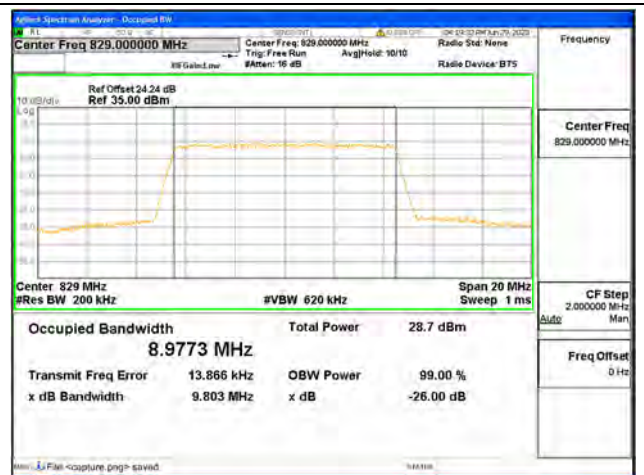
Band5 / 5MHz / 64QAM/ High CH



Band5 / 10MHz / QPSK/ Low CH



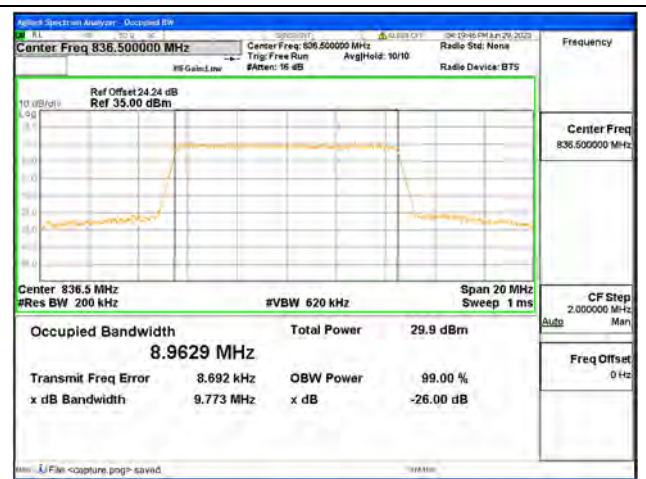
Band5 / 10MHz / 16QAM/ Low CH



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



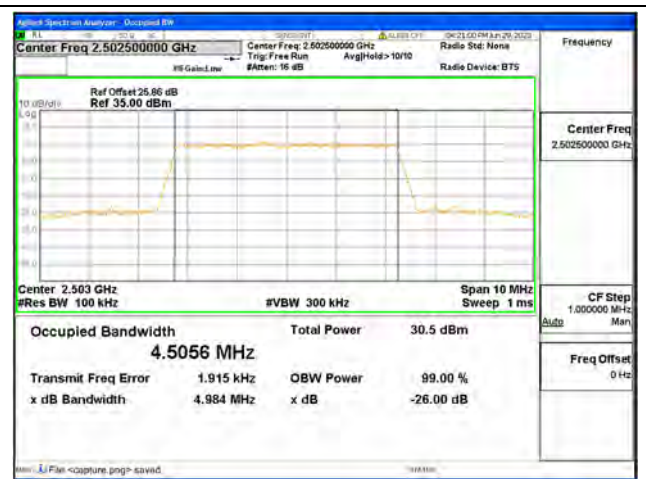
Band5 / 10MHz / 16QAM/ High CH



Band5 / 10MHz / 64QAM/ High CH



Band7 / 5MHz / QPSK/ Low CH



Band7 / 5MHz / 16QAM/ Low CH



Band7 / 5MHz / 64QAM/ Low CH



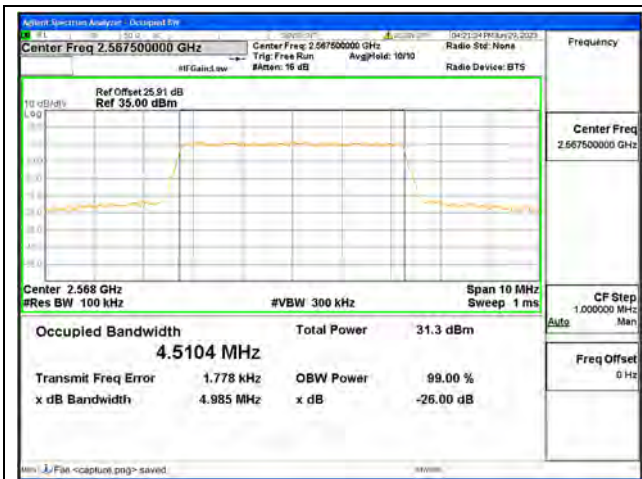
Band7 / 5MHz / QPSK/ Mid CH



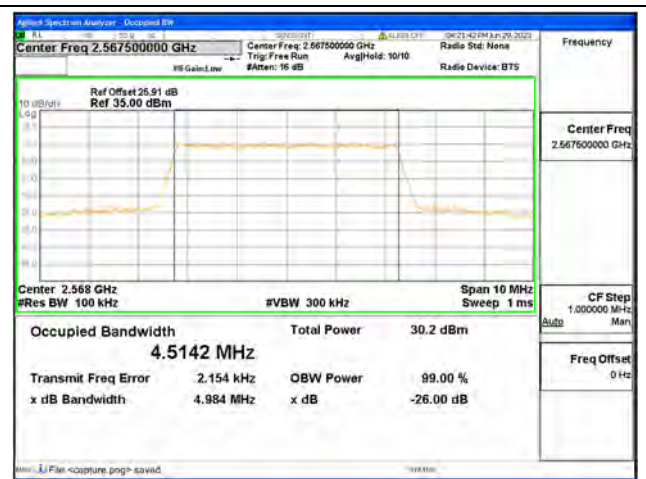
Band7 / 5MHz / 16QAM/ Mid CH



Band7 / 5MHz / 64QAM/ Mid CH



Band7 / 5MHz / QPSK/ High CH



Band7 / 5MHz / 16QAM/ High CH



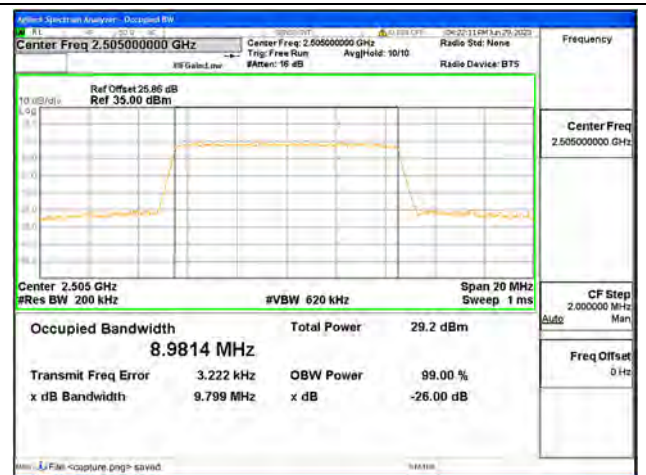
Band7 / 5MHz / 64QAM/ High CH



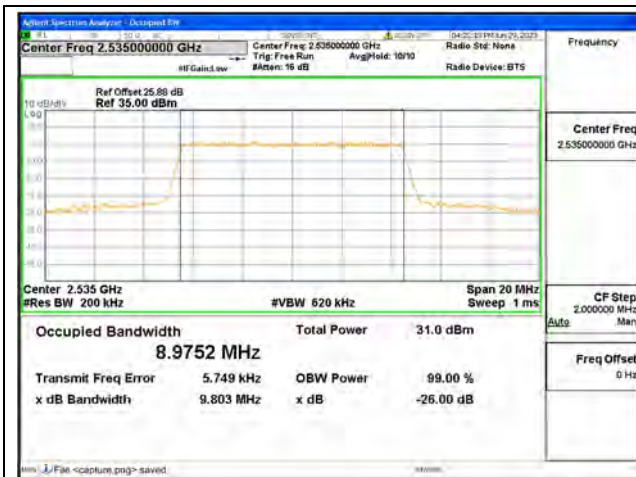
Band7 / 10MHz / QPSK/ Low CH



Band7 / 10MHz / 16QAM/ Low CH



Band7 / 10MHz / 64QAM/ Low CH



Band7 / 10MHz / QPSK/ Mid CH



Band7 / 10MHz / 16QAM/ Mid CH



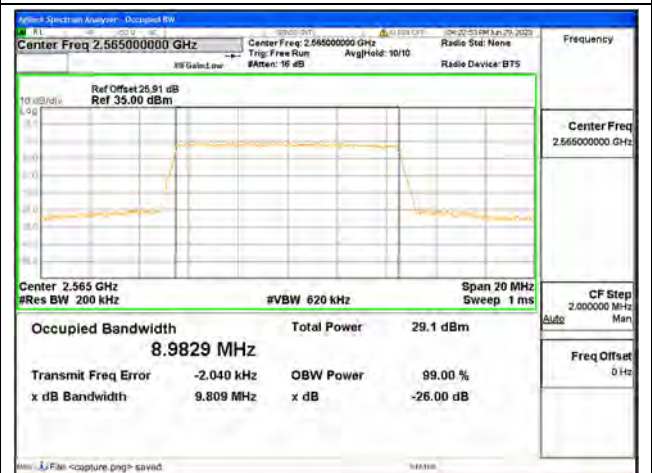
Band7 / 10MHz / 64QAM/ Mid CH



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



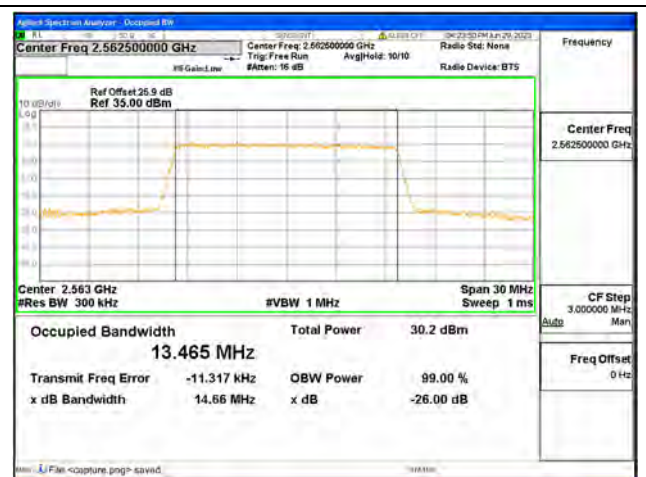
Band7 / 15MHz / 16QAM/ Mid CH



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



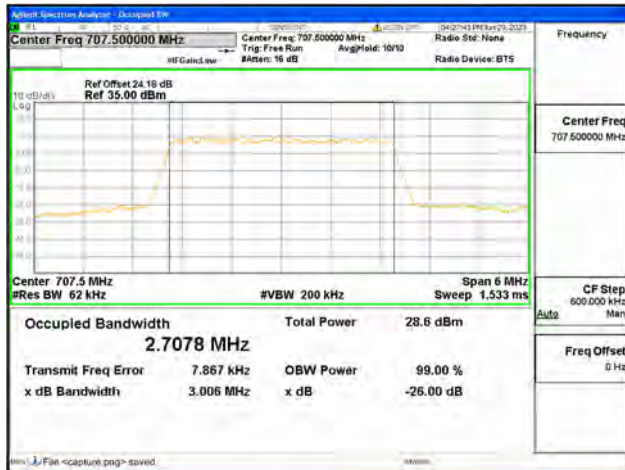
Band12 / 3MHz / 64QAM/ Low CH



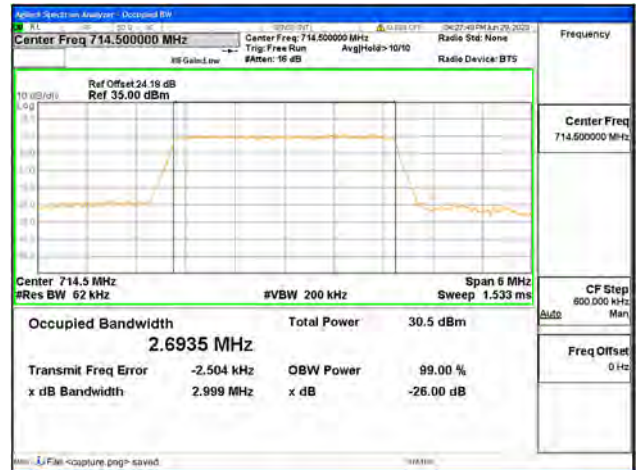
Band12 / 3MHz / QPSK/ Mid CH



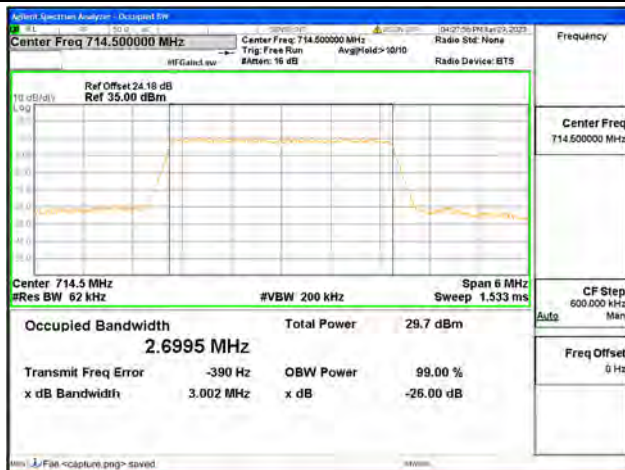
Band12 / 3MHz / 16QAM/ Mid CH



Band12 / 3MHz / 64QAM/ Mid CH



Band12 / 3MHz / QPSK/ High CH



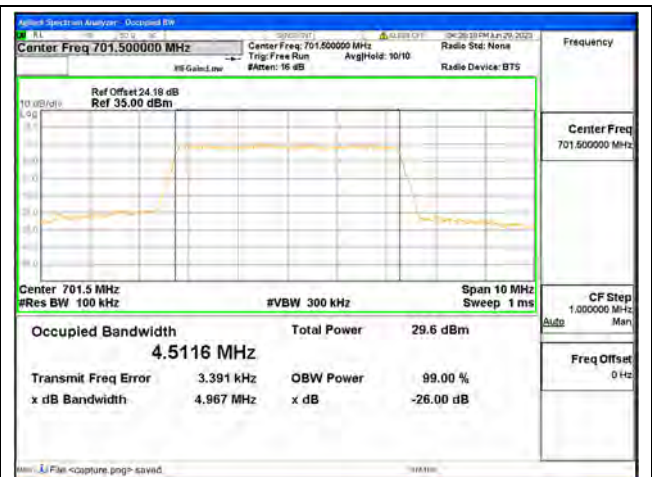
Band12 / 3MHz / 16QAM/ High CH



Band12 / 3MHz / 64QAM/ High CH



Band12 / 5MHz / QPSK/ Low CH



Band12 / 5MHz / 16QAM/ Low CH



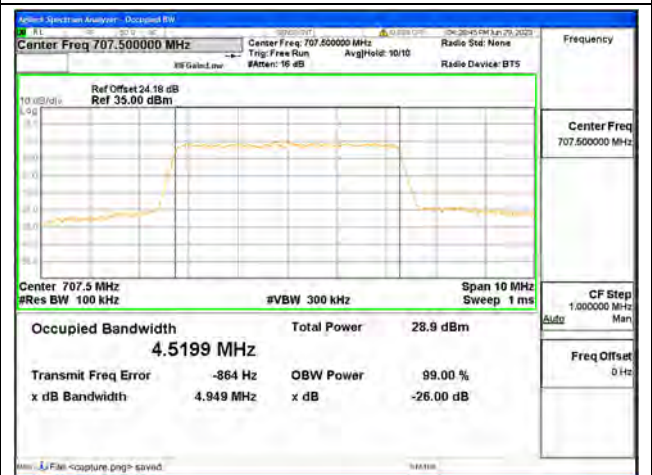
Band12 / 5MHz / 64QAM/ Low CH



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



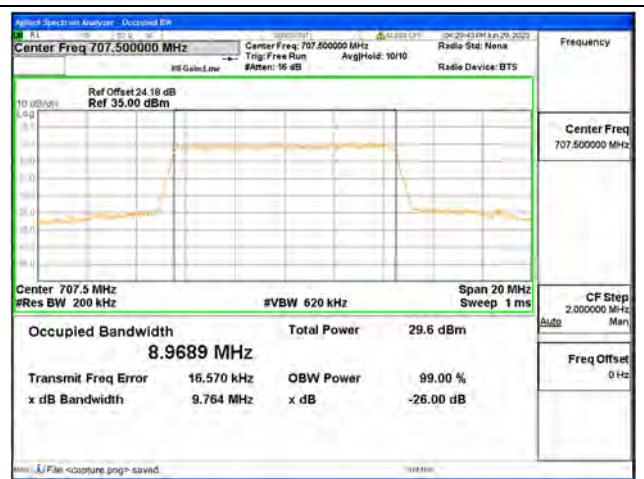
Band12 / 10MHz / 16QAM/ Low CH



Band12 / 10MHz / 64QAM/ Low CH



Band12 / 10MHz / QPSK/ Mid CH



Band12 / 10MHz / 16QAM/ Mid CH



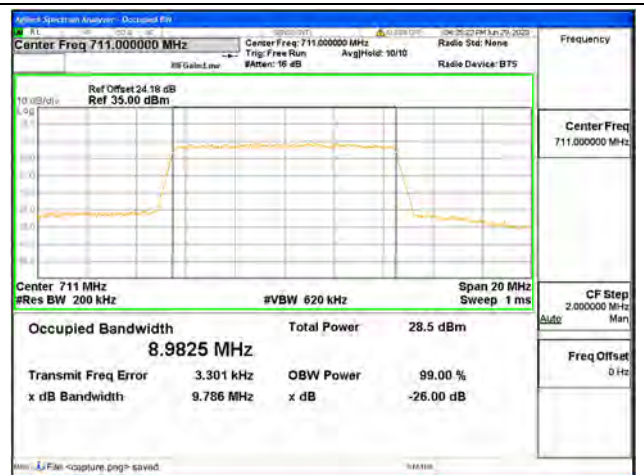
Band12 / 10MHz / 64QAM/ Mid CH



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



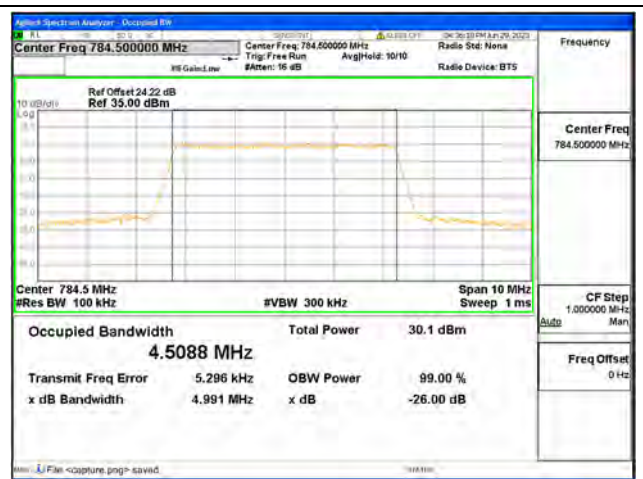
Band13 / 5MHz / 16QAM/ Mid CH



Band13 / 5MHz / 64QAM/ Mid CH



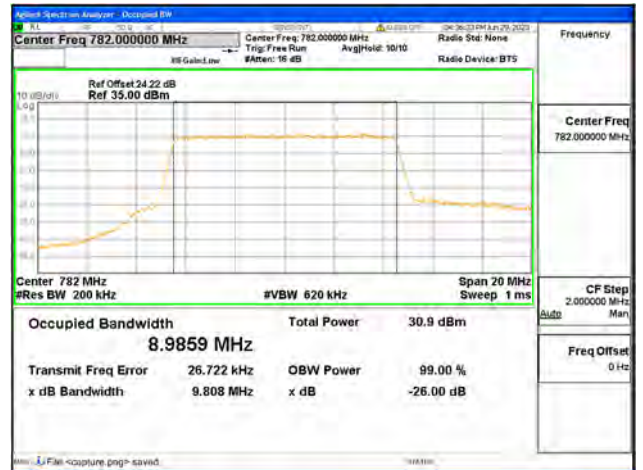
Band13 / 5MHz / QPSK/ High CH



Band13 / 5MHz / 16QAM/ High CH



Band13 / 5MHz / 64QAM/ High CH



Band13 / 10MHz / QPSK/ Mid CH



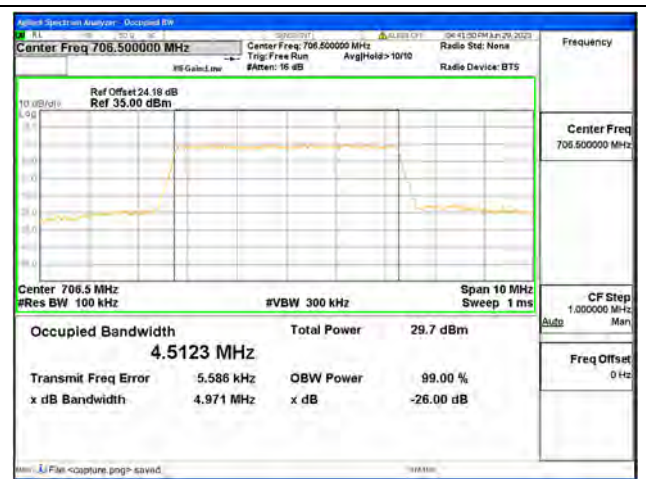
Band13 / 10MHz / 16QAM/ Mid CH



Band13 / 10MHz / 64QAM/ Mid CH



Band17 / 5MHz / QPSK/ Low CH



Band17 / 5MHz / 16QAM/ Low CH



Band17 / 5MHz / 64QAM/ Low CH



Band17 / 5MHz / QPSK/ Mid CH



Band17 / 5MHz / 16QAM/ Mid CH



Band17 / 5MHz / 64QAM/ Mid CH



Band17 / 5MHz / QPSK/ High CH



Band17 / 5MHz / 16QAM/ High CH



Band17 / 5MHz / 64QAM/ High CH



Band17 / 10MHz / QPSK/ Low CH



Band17 / 10MHz / 16QAM/ Low CH



Band17 / 10MHz / 64QAM/ Low CH



Band17 / 10MHz / QPSK/ Mid CH



Band17 / 10MHz / 16QAM/ Mid CH



Band17 / 10MHz / 64QAM/ Mid CH



Band17 / 10MHz / QPSK/ High CH



Band17 / 10MHz / 16QAM/ High CH



Band17 / 10MHz / 64QAM/ High CH



Band25 / 1.4MHz / QPSK/ Low CH



Band25 / 1.4MHz / 16QAM/ Low CH



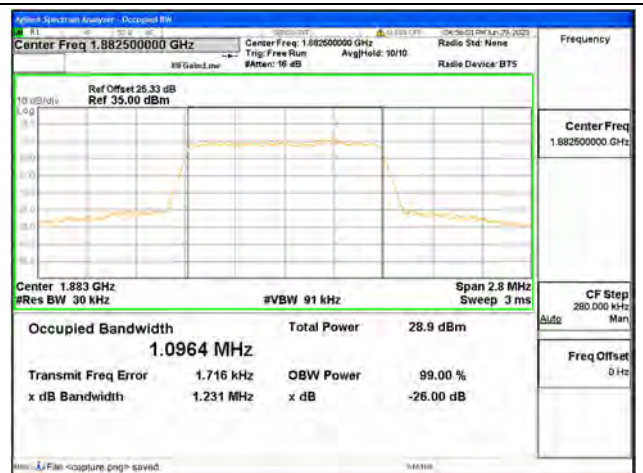
Band25 / 1.4MHz / 64QAM/ Low CH



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



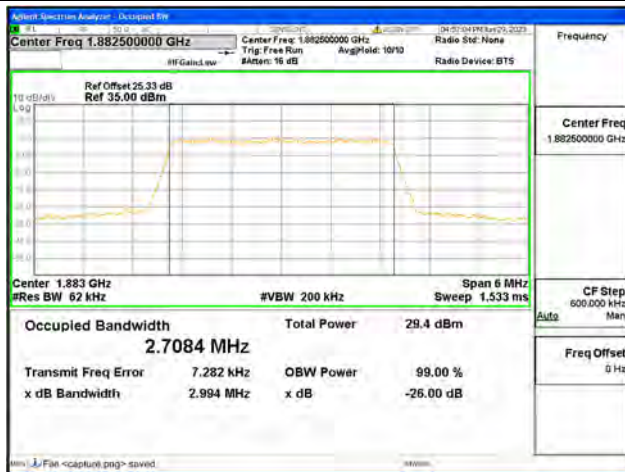
Band25 / 3MHz / 64QAM/ Low CH



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



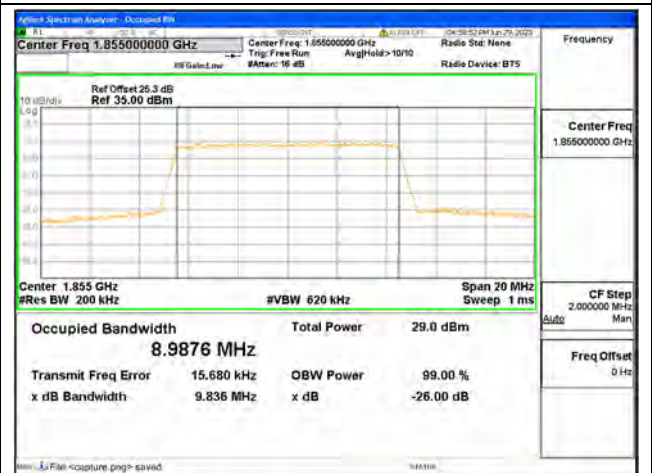
Band25 / 5MHz / 64QAM/ High CH



Band25 / 10MHz / QPSK/ Low CH



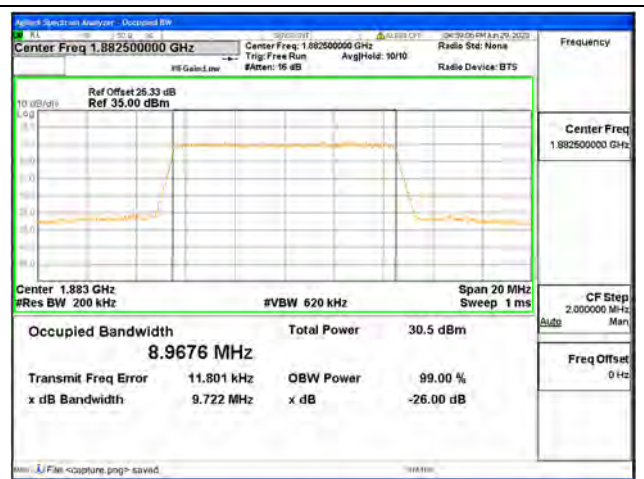
Band25 / 10MHz / 16QAM/ Low CH



Band25 / 10MHz / 64QAM/ Low CH



Band25 / 10MHz / QPSK/ Mid CH



Band25 / 10MHz / 16QAM/ Mid CH



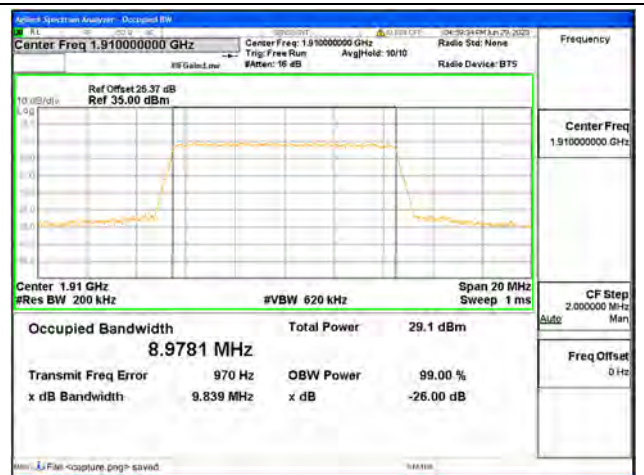
Band25 / 10MHz / 64QAM/ Mid CH



Band25 / 10MHz / QPSK/ High CH



Band25 / 10MHz / 16QAM/ High CH



Band25 / 10MHz / 64QAM/ High CH



Band25 / 15MHz / QPSK/ Low CH



Band25 / 15MHz / 16QAM/ Low CH



Band25 / 15MHz / 64QAM/ Low CH



Band25 / 15MHz / QPSK/ Mid CH



Band25 / 15MHz / 16QAM/ Mid CH



Band25 / 15MHz / 64QAM/ Mid CH