



TEST REPORT

APPLICANT : Reliance Communications, LLC

PRODUCT NAME : 4G-LTE feature phone

MODEL NAME : R320L, R320L2

BRAND NAME : Orbic

FCC ID : 2ABGH-R320L

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

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Change History		
Version	Date	Reason for change
1.0	2023-10-12	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Reliance Communications, LLC
Applicant Address:	555 Wireless Blvd. Hauppauge, NY 11788, USA
Manufacturer:	ShenZhen Wellstec Communication Co., Ltd
Manufacturer Address:	1403, Block A, BOTON Science & Technology Park, No. 1044 Chaguang Road, Nanshan District, ShenZhen, China.

1.2. Equipment Under Test (EUT) Description

Product Name:	4G-LTE feature phone	
Sample No.:	9#	
Hardware Version:	V1.0	
Software Version:	R320L: R320L_v1.3.1_BVZ R320L2: R320L2_v1.2.7_BVZ	
Modulation Type:	QPSK, 16QAM, 64QAM	
Operation Band:	Band 2 / 4 / 5 / 12 / 13 / 25 / 26 / 41 / 66 / 71	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 12	Tx: 699MHz–716MHz
		Rx: 729MHz–746MHz
	LTE Band 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz
	LTE Band 25	Tx: 1850MHz–1915MHz
		Rx: 1930MHz–1995MHz
	LTE Band 26	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
LTE Band 41	Tx: 2496MHz–2690MHz	
	Rx: 2496MHz–2690MHz	



Frequency Range:	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz–2200MHz
	LTE Band 71	Tx: 663MHz–698MHz
		Rx: 617MHz–652MHz
Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 13	5 MHz, 10MHz
	LTE Band 25	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 26	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	0.68dBi
	LTE Band 4	0.68dBi
	LTE Band 5	1.20dBi
	LTE Band 12	-1.10dBi
	LTE Band 13	0.23dBi
	LTE Band 25	0.68dBi
	LTE Band 26	0.35dBi
	LTE Band 41	0.39dBi
	LTE Band 66	0.68dBi
	LTE Band 71	-1.49 dBi
Accessory Information:	Battery	
	Brand Name:	Orbic
	Model No.:	BP2243
	Serial No.:	N/A
	Capacity:	1850mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.4V
	Manufacturer:	Zhongshan Tianmao Battery Limited Company



Accessory Information:	AC Adapter	
	Brand Name:	Orbic
	Model No.:	A18A-050100U-US2
	Serial No.:	N/A
	Rated Output:	5.0V \pm 1.0A
	Rated Input:	100-240V \sim 50/60Hz, 0.2A
	Manufacturer:	Dongguan Aohai Technology Co., Ltd
	USB Cable	
	Model No.:	R320L
	Manufacturer:	SHENZHEN YONGQUANDA TECHNOLOGY CO.,LTD

Note 1: According to the certificate holder, they declared that the models R320L and R320L2 only differ in model name and software version, everything else is the same. The main measuring model is R320L, only the results for R320L were recorded in this report.

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

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

LTE Band 2		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.176	0.136	0.107	17M9G7D	18M0W7D	17M9W7D	
15	0.176	0.136	0.110	13M5G7D	13M5W7D	13M5W7D	
10	0.177	0.138	0.109	8M99G7D	8M97W7D	8M97W7D	
5	0.176	0.138	0.108	4M51G7D	4M50W7D	4M50W7D	
3	0.175	0.141	0.110	2M70G7D	2M71W7D	2M71W7D	
1.4	0.175	0.140	0.110	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	0.196	0.149	0.122	17M9G7D	17M9W7D	17M9W7D	
15	0.195	0.153	0.123	13M5G7D	13M5W7D	13M5W7D	
10	0.194	0.155	0.121	8M99G7D	8M95W7D	8M98W7D	
5	0.195	0.156	0.119	4M51G7D	4M50W7D	4M51W7D	
3	0.195	0.152	0.122	2M70G7D	2M70W7D	2M71W7D	
1.4	0.195	0.156	0.124	1M10G7D	1M10W7D	1M10W7D	
LTE Band 5		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.142	0.110	0.088	8M99G7D	8M96W7D	8M97W7D	
5	0.141	0.110	0.084	4M51G7D	4M50W7D	4M51W7D	
3	0.140	0.109	0.086	2M70G7D	2M70W7D	2M71W7D	
1.4	0.141	0.109	0.087	1M10G7D	1M10W7D	1M10W7D	
LTE Band 12		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.071	0.054	0.043	8M99G7D	8M96W7D	8M97W7D	
5	0.071	0.054	0.044	4M51G7D	4M50W7D	4M52W7D	
3	0.071	0.055	0.044	2M70G7D	2M70W7D	2M71W7D	
1.4	0.071	0.054	0.043	1M10G7D	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	0.143	0.113	0.089	8M96G7D	8M94W7D	8M95W7D	
5	0.142	0.109	0.086	4M51G7D	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	0.176	0.136	0.108	17M9G7D	18M0W7D	18M0W7D	
15	0.175	0.135	0.106	13M5G7D	13M4W7D	13M4W7D	
10	0.174	0.140	0.107	9M00G7D	8M95W7D	8M98W7D	
5	0.175	0.137	0.108	4M51G7D	4M50W7D	4M52W7D	
3	0.175	0.136	0.111	2M71G7D	2M70W7D	2M71W7D	
1.4	0.175	0.136	0.108	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	0.115	0.086	0.067	13M4G7D	13M4W7D	13M5W7D	
10	0.111	0.086	0.068	9M01G7D	8M95W7D	8M97W7D	
5	0.111	0.086	0.068	4M50G7D	4M51W7D	4M51W7D	
3	0.112	0.086	0.068	2M70G7D	2M70W7D	2M71W7D	
1.4	0.113	0.083	0.066	1M10G7D	1M10W7D	1M10W7D	
LTE Band 41		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.261	0.205	0.162	17M9G7D	17M9W7D	17M9W7D	
15	0.259	0.203	0.157	13M5G7D	13M5W7D	13M4W7D	
10	0.256	0.202	0.159	8M96G7D	8M96W7D	8M97W7D	
5	0.260	0.202	0.162	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	0.203	0.156	0.124	17M9G7D	18M0W7D	17M9W7D	
15	0.201	0.153	0.121	13M5G7D	13M4W7D	13M4W7D	
10	0.201	0.157	0.123	9M00G7D	8M96W7D	8M98W7D	
5	0.202	0.156	0.121	4M50G7D	4M51W7D	4M51W7D	
3	0.200	0.157	0.122	2M70G7D	2M71W7D	2M71W7D	
1.4	0.201	0.158	0.124	1M10G7D	1M10W7D	1M10W7D	
LTE Band 71		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.093	0.071	0.057	17M9G7D	17M9W7D	17M9W7D	
15	0.092	0.072	0.057	13M5G7D	13M5W7D	13M4W7D	
10	0.092	0.073	0.058	8M99G7D	8M97W7D	8M99W7D	
5	0.092	0.071	0.057	4M51G7D	4M51W7D	4M53W7D	



1.4. Test Standards and Results

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

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

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

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



24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	May 15, 2023	Lin Jiayong	PASS	No deviation

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

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

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

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

1.5. Environmental Conditions

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

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



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

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

2.1.1. Requirement

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

According to FCC section 24.232 (c) for LTE Band 2/25, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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

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

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

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

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



2.1.4. 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	21.70	21.77	21.72
20	QPSK	1	49	21.63	21.73	21.70
20	QPSK	1	99	21.72	21.67	21.65
20	QPSK	50	0	20.67	20.76	20.63
20	QPSK	50	24	20.60	20.65	20.68
20	QPSK	50	50	20.57	20.64	20.64
20	QPSK	100	0	20.59	20.71	20.67
20	16QAM	1	0	20.57	20.66	20.59
20	16QAM	1	49	20.49	20.58	20.41
20	16QAM	1	99	20.46	20.54	20.53
20	16QAM	50	0	19.67	19.73	19.70
20	16QAM	50	24	19.56	19.64	19.57
20	16QAM	50	50	19.61	19.58	19.63
20	16QAM	100	0	19.62	19.65	19.61
20	64QAM	1	0	19.56	19.62	19.54
20	64QAM	1	49	19.51	19.56	19.53
20	64QAM	1	99	19.53	19.54	19.55
20	64QAM	50	0	18.61	18.73	18.71
20	64QAM	50	24	18.62	18.60	18.59
20	64QAM	50	50	18.64	18.68	18.64
20	64QAM	100	0	18.54	18.61	18.56



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	21.60	21.78	21.54
15	QPSK	1	37	21.76	21.68	21.71
15	QPSK	1	74	21.51	21.61	21.63
15	QPSK	36	0	20.58	20.74	20.62
15	QPSK	36	20	20.69	20.66	20.50
15	QPSK	36	39	20.55	20.52	20.58
15	QPSK	75	0	20.51	20.59	20.53
15	16QAM	1	0	20.59	20.66	20.56
15	16QAM	1	37	20.28	20.39	20.57
15	16QAM	1	74	20.21	20.56	20.34
15	16QAM	36	0	19.53	19.49	19.65
15	16QAM	36	20	19.59	19.56	19.60
15	16QAM	36	39	19.62	19.41	19.38
15	16QAM	75	0	19.70	19.50	19.62
15	64QAM	1	0	19.44	19.74	19.40
15	64QAM	1	37	19.56	19.33	19.36
15	64QAM	1	74	19.49	19.33	19.58
15	64QAM	36	0	18.53	18.55	18.64
15	64QAM	36	20	18.55	18.44	18.41
15	64QAM	36	39	18.60	18.55	18.41
15	64QAM	75	0	18.65	18.42	18.71



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	21.79	21.73	21.76
10	QPSK	1	25	21.55	21.58	21.65
10	QPSK	1	49	21.67	21.65	21.70
10	QPSK	25	0	20.63	20.74	20.66
10	QPSK	25	12	20.52	20.52	20.56
10	QPSK	25	25	20.61	20.64	20.50
10	QPSK	50	0	20.53	20.60	20.63
10	16QAM	1	0	20.61	20.71	20.48
10	16QAM	1	25	20.56	20.55	20.49
10	16QAM	1	49	20.45	20.68	20.51
10	16QAM	25	0	19.53	19.73	19.52
10	16QAM	25	12	19.52	19.68	19.50
10	16QAM	25	25	19.66	19.56	19.50
10	16QAM	50	0	19.64	19.67	19.57
10	64QAM	1	0	19.59	19.65	19.61
10	64QAM	1	25	19.53	19.68	19.60
10	64QAM	1	49	19.67	19.54	19.63
10	64QAM	25	0	18.62	18.85	18.77
10	64QAM	25	12	18.61	18.62	18.60
10	64QAM	25	25	18.51	18.55	18.67
10	64QAM	50	0	18.58	18.60	18.66



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	21.67	21.77	21.68
5	QPSK	1	12	21.49	21.52	21.50
5	QPSK	1	24	21.58	21.55	21.66
5	QPSK	12	0	20.75	20.81	20.57
5	QPSK	12	7	20.60	20.57	20.71
5	QPSK	12	13	20.49	20.70	20.50
5	QPSK	25	0	20.69	20.59	20.53
5	16QAM	1	0	20.70	20.67	20.55
5	16QAM	1	12	20.37	20.72	20.51
5	16QAM	1	24	20.64	20.52	20.63
5	16QAM	12	0	19.53	19.72	19.63
5	16QAM	12	7	19.51	19.57	19.55
5	16QAM	12	13	19.63	19.69	19.67
5	16QAM	25	0	19.40	19.67	19.39
5	64QAM	1	0	19.65	19.67	19.60
5	64QAM	1	12	19.44	19.56	19.49
5	64QAM	1	24	19.55	19.65	19.54
5	64QAM	12	0	18.53	18.68	18.49
5	64QAM	12	7	18.49	18.71	18.41
5	64QAM	12	13	18.57	18.55	18.45
5	64QAM	25	0	18.30	18.45	18.37



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	21.57	21.75	21.55
3	QPSK	1	8	21.58	21.55	21.54
3	QPSK	1	14	21.62	21.70	21.59
3	QPSK	8	0	20.58	20.70	20.66
3	QPSK	8	4	20.45	20.62	20.67
3	QPSK	8	7	20.57	20.64	20.55
3	QPSK	15	0	20.52	20.68	20.60
3	16QAM	1	0	20.44	20.81	20.66
3	16QAM	1	8	20.52	20.37	20.46
3	16QAM	1	14	20.41	20.39	20.50
3	16QAM	8	0	19.58	19.76	19.71
3	16QAM	8	4	19.52	19.71	19.42
3	16QAM	8	7	19.76	19.60	19.73
3	16QAM	15	0	19.64	19.65	19.36
3	64QAM	1	0	19.44	19.74	19.43
3	64QAM	1	8	19.51	19.51	19.52
3	64QAM	1	14	19.34	19.50	19.38
3	64QAM	8	0	18.50	18.64	18.54
3	64QAM	8	4	18.75	18.48	18.51
3	64QAM	8	7	18.71	18.47	18.60
3	64QAM	15	0	18.58	18.61	18.61



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	21.75	21.76	21.65
1.4	QPSK	1	3	21.68	21.65	21.57
1.4	QPSK	1	5	21.72	21.60	21.49
1.4	QPSK	3	0	20.52	20.75	20.68
1.4	QPSK	3	1	20.60	20.51	20.52
1.4	QPSK	3	3	20.53	20.65	20.69
1.4	QPSK	6	0	20.70	20.83	20.64
1.4	16QAM	1	0	20.55	20.78	20.53
1.4	16QAM	1	3	20.55	20.57	20.54
1.4	16QAM	1	5	20.50	20.66	20.55
1.4	16QAM	3	0	19.53	19.63	19.80
1.4	16QAM	3	1	19.56	19.73	19.78
1.4	16QAM	3	3	19.68	19.58	19.63
1.4	16QAM	6	0	19.57	19.71	19.60
1.4	64QAM	1	0	19.63	19.72	19.66
1.4	64QAM	1	3	19.41	19.48	19.59
1.4	64QAM	1	5	19.51	19.61	19.70
1.4	64QAM	3	0	18.57	18.88	18.69
1.4	64QAM	3	1	18.59	18.61	18.62
1.4	64QAM	3	3	18.68	18.53	18.51
1.4	64QAM	6	0	18.66	18.71	18.55



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	22.11	22.25	22.22
20	QPSK	1	49	22.02	22.11	22.07
20	QPSK	1	99	22.06	22.22	22.11
20	QPSK	50	0	21.02	21.26	21.06
20	QPSK	50	24	20.88	21.12	21.00
20	QPSK	50	50	20.97	21.17	20.98
20	QPSK	100	0	21.04	21.08	21.16
20	16QAM	1	0	20.85	21.06	20.91
20	16QAM	1	49	20.80	20.88	21.04
20	16QAM	1	99	21.01	20.93	20.99
20	16QAM	50	0	20.12	20.23	19.97
20	16QAM	50	24	19.94	20.13	20.11
20	16QAM	50	50	20.04	20.10	20.01
20	16QAM	100	0	20.03	20.02	19.90
20	64QAM	1	0	19.89	20.19	20.16
20	64QAM	1	49	20.05	20.14	20.01
20	64QAM	1	99	19.94	19.92	19.89
20	64QAM	50	0	18.98	19.14	19.16
20	64QAM	50	24	19.13	19.19	19.13
20	64QAM	50	50	18.97	18.92	18.98
20	64QAM	100	0	18.95	19.19	19.20



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	22.11	22.22	22.13
15	QPSK	1	37	21.99	22.12	21.99
15	QPSK	1	74	22.15	22.06	21.90
15	QPSK	36	0	21.27	21.31	21.02
15	QPSK	36	20	21.05	21.10	21.04
15	QPSK	36	39	20.89	21.24	20.90
15	QPSK	75	0	21.12	21.10	20.93
15	16QAM	1	0	21.09	21.16	21.02
15	16QAM	1	37	21.09	21.02	20.95
15	16QAM	1	74	20.93	21.07	20.98
15	16QAM	36	0	19.97	20.10	20.25
15	16QAM	36	20	20.19	20.17	19.88
15	16QAM	36	39	20.11	19.93	20.07
15	16QAM	75	0	19.91	20.10	19.86
15	64QAM	1	0	20.03	20.22	20.18
15	64QAM	1	37	19.93	20.08	20.10
15	64QAM	1	74	20.07	19.85	20.09
15	64QAM	36	0	19.15	19.23	19.11
15	64QAM	36	20	18.86	19.07	19.19
15	64QAM	36	39	19.07	19.09	19.13
15	64QAM	75	0	18.85	19.10	18.89



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	22.06	22.19	22.09
10	QPSK	1	25	22.13	22.16	22.13
10	QPSK	1	49	22.10	22.08	22.09
10	QPSK	25	0	21.29	21.20	21.19
10	QPSK	25	12	20.94	21.05	21.19
10	QPSK	25	25	21.09	21.21	21.01
10	QPSK	50	0	20.99	21.12	21.23
10	16QAM	1	0	21.21	21.11	21.04
10	16QAM	1	25	20.94	20.84	21.02
10	16QAM	1	49	20.98	21.06	21.10
10	16QAM	25	0	20.25	20.19	20.09
10	16QAM	25	12	19.88	19.88	20.05
10	16QAM	25	25	19.88	20.15	20.21
10	16QAM	50	0	20.01	20.27	20.06
10	64QAM	1	0	20.16	20.16	20.12
10	64QAM	1	25	19.77	19.84	19.99
10	64QAM	1	49	19.84	20.00	20.00
10	64QAM	25	0	19.01	19.26	19.34
10	64QAM	25	12	19.19	18.96	19.00
10	64QAM	25	25	19.23	19.03	19.10
10	64QAM	50	0	19.05	19.09	18.89



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	22.14	22.21	22.13
5	QPSK	1	12	22.07	22.08	22.10
5	QPSK	1	24	22.15	22.07	22.14
5	QPSK	12	0	21.12	21.28	21.24
5	QPSK	12	7	21.15	21.19	21.26
5	QPSK	12	13	20.98	21.06	21.02
5	QPSK	25	0	21.07	21.10	21.20
5	16QAM	1	0	21.19	21.24	21.02
5	16QAM	1	12	20.91	21.12	21.01
5	16QAM	1	24	21.01	20.98	21.17
5	16QAM	12	0	20.05	20.02	20.24
5	16QAM	12	7	20.09	20.06	20.21
5	16QAM	12	13	20.02	20.19	20.20
5	16QAM	25	0	20.23	20.06	20.01
5	64QAM	1	0	19.94	20.05	19.99
5	64QAM	1	12	19.87	19.87	20.09
5	64QAM	1	24	20.02	20.05	20.00
5	64QAM	12	0	19.19	19.02	18.99
5	64QAM	12	7	19.23	19.10	19.16
5	64QAM	12	13	19.10	19.00	19.07
5	64QAM	25	0	19.18	18.88	19.16



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	22.14	22.22	22.16
3	QPSK	1	8	22.16	22.13	22.13
3	QPSK	1	14	22.12	22.06	22.00
3	QPSK	8	0	21.20	21.26	20.97
3	QPSK	8	4	21.15	21.01	21.25
3	QPSK	8	7	20.99	21.03	21.02
3	QPSK	15	0	20.98	21.15	21.14
3	16QAM	1	0	21.04	21.15	21.06
3	16QAM	1	8	20.97	20.88	20.87
3	16QAM	1	14	21.05	20.99	20.93
3	16QAM	8	0	20.04	20.22	20.06
3	16QAM	8	4	19.91	20.20	19.84
3	16QAM	8	7	20.14	20.09	20.09
3	16QAM	15	0	20.05	20.09	20.09
3	64QAM	1	0	20.18	20.15	20.16
3	64QAM	1	8	20.05	20.13	20.09
3	64QAM	1	14	19.99	20.10	20.11
3	64QAM	8	0	18.99	19.07	19.26
3	64QAM	8	4	19.07	19.16	19.12
3	64QAM	8	7	18.95	19.00	19.17
3	64QAM	15	0	19.02	19.16	18.82



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	22.14	22.23	22.11
1.4	QPSK	1	3	22.17	22.09	21.99
1.4	QPSK	1	5	21.98	22.13	22.13
1.4	QPSK	3	0	21.30	21.25	21.27
1.4	QPSK	3	1	21.19	21.29	21.01
1.4	QPSK	3	3	21.11	21.21	21.00
1.4	QPSK	6	0	21.15	21.16	21.28
1.4	16QAM	1	0	21.07	21.25	21.17
1.4	16QAM	1	3	20.94	21.16	21.00
1.4	16QAM	1	5	20.92	21.16	20.89
1.4	16QAM	3	0	20.11	20.17	20.11
1.4	16QAM	3	1	20.03	20.00	20.11
1.4	16QAM	3	3	20.02	20.03	20.02
1.4	16QAM	6	0	20.09	20.19	20.22
1.4	64QAM	1	0	19.96	20.24	20.04
1.4	64QAM	1	3	19.84	20.16	20.08
1.4	64QAM	1	5	19.86	19.87	20.03
1.4	64QAM	3	0	19.11	19.29	19.26
1.4	64QAM	3	1	19.12	19.07	19.08
1.4	64QAM	3	3	19.00	19.26	19.03
1.4	64QAM	6	0	19.06	19.15	19.00



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	22.16	22.46	22.38
10	QPSK	1	25	22.14	22.39	22.28
10	QPSK	1	49	22.19	22.27	22.38
10	QPSK	25	0	21.25	21.40	21.22
10	QPSK	25	12	21.35	21.19	21.29
10	QPSK	25	25	21.14	21.19	21.25
10	QPSK	50	0	21.32	21.30	21.19
10	16QAM	1	0	21.29	21.25	21.36
10	16QAM	1	25	21.26	21.35	21.08
10	16QAM	1	49	21.10	21.27	21.15
10	16QAM	25	0	20.22	20.33	20.44
10	16QAM	25	12	20.19	20.20	20.21
10	16QAM	25	25	20.26	20.31	20.35
10	16QAM	50	0	20.04	20.32	20.33
10	64QAM	1	0	20.24	20.39	20.21
10	64QAM	1	25	20.00	20.01	20.23
10	64QAM	1	49	20.18	20.13	20.28
10	64QAM	25	0	19.17	19.26	19.27
10	64QAM	25	12	19.14	19.07	19.16
10	64QAM	25	25	19.14	19.21	19.39
10	64QAM	50	0	19.08	19.19	19.22



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.20	22.44	22.26
5	QPSK	1	12	22.26	22.11	22.10
5	QPSK	1	24	22.28	22.36	22.42
5	QPSK	12	0	21.24	21.47	21.27
5	QPSK	12	7	21.14	21.27	21.43
5	QPSK	12	13	21.21	21.27	21.41
5	QPSK	25	0	21.18	21.13	21.13
5	16QAM	1	0	21.14	21.37	21.07
5	16QAM	1	12	21.09	21.29	21.18
5	16QAM	1	24	21.16	20.96	21.00
5	16QAM	12	0	20.43	20.43	20.44
5	16QAM	12	7	20.32	20.23	20.09
5	16QAM	12	13	20.35	20.26	20.24
5	16QAM	25	0	20.02	20.26	20.35
5	64QAM	1	0	19.99	20.15	20.19
5	64QAM	1	12	20.10	20.12	19.96
5	64QAM	1	24	20.05	20.18	20.10
5	64QAM	12	0	19.09	19.28	19.14
5	64QAM	12	7	19.32	19.32	19.20
5	64QAM	12	13	19.24	19.38	19.37
5	64QAM	25	0	19.25	19.37	19.30



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.36	22.41	22.26
3	QPSK	1	8	22.33	22.26	22.15
3	QPSK	1	14	22.27	22.37	22.12
3	QPSK	8	0	21.24	21.42	21.20
3	QPSK	8	4	21.00	21.36	21.36
3	QPSK	8	7	21.30	21.39	21.25
3	QPSK	15	0	21.23	21.48	21.21
3	16QAM	1	0	21.23	21.34	20.96
3	16QAM	1	8	21.17	21.22	21.08
3	16QAM	1	14	21.07	21.22	21.22
3	16QAM	8	0	20.06	20.25	20.37
3	16QAM	8	4	20.22	20.25	20.22
3	16QAM	8	7	20.03	20.28	20.37
3	16QAM	15	0	20.12	20.23	20.11
3	64QAM	1	0	20.21	20.15	20.11
3	64QAM	1	8	20.26	20.20	20.18
3	64QAM	1	14	20.14	20.26	20.30
3	64QAM	8	0	19.30	19.15	19.38
3	64QAM	8	4	19.34	19.09	19.16
3	64QAM	8	7	19.21	19.17	19.31
3	64QAM	15	0	19.19	19.33	19.17



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.41	22.43	22.28
1.4	QPSK	1	3	22.04	22.15	22.25
1.4	QPSK	1	5	22.29	22.07	22.32
1.4	QPSK	3	0	21.40	21.49	21.16
1.4	QPSK	3	1	21.23	21.17	21.17
1.4	QPSK	3	3	21.15	21.19	21.22
1.4	QPSK	6	0	21.28	21.18	21.19
1.4	16QAM	1	0	21.06	21.34	21.16
1.4	16QAM	1	3	21.19	21.05	20.98
1.4	16QAM	1	5	21.06	21.17	21.11
1.4	16QAM	3	0	20.15	20.28	20.18
1.4	16QAM	3	1	20.25	20.29	20.12
1.4	16QAM	3	3	20.14	20.20	20.19
1.4	16QAM	6	0	20.16	20.37	20.19
1.4	64QAM	1	0	19.95	20.37	20.12
1.4	64QAM	1	3	20.28	19.96	20.07
1.4	64QAM	1	5	20.29	20.23	20.21
1.4	64QAM	3	0	19.26	19.30	19.35
1.4	64QAM	3	1	19.34	19.31	19.24
1.4	64QAM	3	3	19.10	19.40	19.21
1.4	64QAM	6	0	19.14	19.29	19.24



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	21.70	21.79	21.71
10	QPSK	1	25	21.63	21.66	21.56
10	QPSK	1	49	21.63	21.61	21.72
10	QPSK	25	0	20.73	20.59	20.47
10	QPSK	25	12	20.68	20.60	20.43
10	QPSK	25	25	20.71	20.48	20.41
10	QPSK	50	0	20.44	20.56	20.72
10	16QAM	1	0	20.49	20.61	20.50
10	16QAM	1	25	20.57	20.55	20.52
10	16QAM	1	49	20.47	20.36	20.49
10	16QAM	25	0	19.73	19.77	19.56
10	16QAM	25	12	19.39	19.47	19.54
10	16QAM	25	25	19.59	19.54	19.57
10	16QAM	50	0	19.46	19.43	19.62
10	64QAM	1	0	19.54	19.52	19.55
10	64QAM	1	25	19.47	19.62	19.35
10	64QAM	1	49	19.48	19.29	19.58
10	64QAM	25	0	18.59	18.53	18.57
10	64QAM	25	12	18.37	18.45	18.46
10	64QAM	25	25	18.41	18.61	18.42
10	64QAM	50	0	18.58	18.42	18.50



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	21.54	21.77	21.62
5	QPSK	1	12	21.63	21.60	21.54
5	QPSK	1	24	21.56	21.52	21.52
5	QPSK	12	0	20.61	20.65	20.52
5	QPSK	12	7	20.46	20.57	20.59
5	QPSK	12	13	20.65	20.60	20.62
5	QPSK	25	0	20.49	20.64	20.52
5	16QAM	1	0	20.60	20.56	20.36
5	16QAM	1	12	20.56	20.37	20.42
5	16QAM	1	24	20.41	20.40	20.61
5	16QAM	12	0	19.53	19.68	19.58
5	16QAM	12	7	19.51	19.69	19.56
5	16QAM	12	13	19.63	19.68	19.40
5	16QAM	25	0	19.37	19.53	19.37
5	64QAM	1	0	19.64	19.43	19.44
5	64QAM	1	12	19.48	19.69	19.50
5	64QAM	1	24	19.54	19.43	19.56
5	64QAM	12	0	18.62	18.50	18.58
5	64QAM	12	7	18.39	18.46	18.47
5	64QAM	12	13	18.55	18.62	18.46
5	64QAM	25	0	18.40	18.65	18.62



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	21.64	21.74	21.72
3	QPSK	1	8	21.66	21.54	21.61
3	QPSK	1	14	21.70	21.48	21.51
3	QPSK	8	0	20.67	20.62	20.48
3	QPSK	8	4	20.63	20.42	20.63
3	QPSK	8	7	20.47	20.47	20.58
3	QPSK	15	0	20.54	20.45	20.71
3	16QAM	1	0	20.53	20.54	20.51
3	16QAM	1	8	20.42	20.62	20.36
3	16QAM	1	14	20.55	20.43	20.63
3	16QAM	8	0	19.53	19.55	19.69
3	16QAM	8	4	19.54	19.72	19.46
3	16QAM	8	7	19.44	19.43	19.39
3	16QAM	15	0	19.58	19.47	19.64
3	64QAM	1	0	19.42	19.55	19.56
3	64QAM	1	8	19.65	19.61	19.62
3	64QAM	1	14	19.64	19.60	19.54
3	64QAM	8	0	18.62	18.50	18.46
3	64QAM	8	4	18.37	18.51	18.72
3	64QAM	8	7	18.44	18.66	18.48
3	64QAM	15	0	18.58	18.35	18.57



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	21.73	21.76	21.58
1.4	QPSK	1	3	21.45	21.55	21.67
1.4	QPSK	1	5	21.61	21.52	21.41
1.4	QPSK	3	0	20.55	20.60	20.49
1.4	QPSK	3	1	20.48	20.56	20.51
1.4	QPSK	3	3	20.54	20.47	20.52
1.4	QPSK	6	0	20.70	20.73	20.77
1.4	16QAM	1	0	20.60	20.61	20.60
1.4	16QAM	1	3	20.50	20.47	20.29
1.4	16QAM	1	5	20.40	20.53	20.50
1.4	16QAM	3	0	19.62	19.60	19.62
1.4	16QAM	3	1	19.63	19.58	19.56
1.4	16QAM	3	3	19.49	19.54	19.53
1.4	16QAM	6	0	19.73	19.70	19.74
1.4	64QAM	1	0	19.38	19.39	19.50
1.4	64QAM	1	3	19.35	19.41	19.63
1.4	64QAM	1	5	19.52	19.30	19.45
1.4	64QAM	3	0	18.58	18.79	18.63
1.4	64QAM	3	1	18.54	18.53	18.56
1.4	64QAM	3	3	18.72	18.68	18.73
1.4	64QAM	6	0	18.42	18.66	18.50



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	/	23.47	/
10	QPSK	1	25	/	23.25	/
10	QPSK	1	49	/	23.31	/
10	QPSK	25	0	/	22.41	/
10	QPSK	25	12	/	22.36	/
10	QPSK	25	25	/	22.40	/
10	QPSK	50	0	/	22.29	/
10	16QAM	1	0	/	22.45	/
10	16QAM	1	25	/	22.46	/
10	16QAM	1	49	/	22.33	/
10	16QAM	25	0	/	21.46	/
10	16QAM	25	12	/	21.38	/
10	16QAM	25	25	/	21.31	/
10	16QAM	50	0	/	21.33	/
10	64QAM	1	0	/	21.38	/
10	64QAM	1	25	/	21.32	/
10	64QAM	1	49	/	21.40	/
10	64QAM	25	0	/	20.45	/
10	64QAM	25	12	/	20.43	/
10	64QAM	25	25	/	20.36	/
10	64QAM	50	0	/	20.39	/



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	23.31	23.44	23.30
5	QPSK	1	12	23.21	23.18	23.07
5	QPSK	1	24	23.10	23.18	23.15
5	QPSK	12	0	22.14	22.12	22.11
5	QPSK	12	7	22.13	22.29	22.30
5	QPSK	12	13	22.06	22.22	22.28
5	QPSK	25	0	22.10	22.30	22.21
5	16QAM	1	0	22.13	22.30	22.22
5	16QAM	1	12	22.16	22.06	22.05
5	16QAM	1	24	22.09	22.10	22.04
5	16QAM	12	0	21.08	21.29	21.17
5	16QAM	12	7	21.01	21.08	21.14
5	16QAM	12	13	21.02	21.19	21.00
5	16QAM	25	0	21.23	21.11	21.28
5	64QAM	1	0	21.22	21.28	21.12
5	64QAM	1	12	21.11	21.14	21.05
5	64QAM	1	24	21.12	20.89	21.01
5	64QAM	12	0	20.10	20.32	19.99
5	64QAM	12	7	20.14	19.88	20.21
5	64QAM	12	13	20.01	20.13	20.24
5	64QAM	25	0	20.10	20.26	19.95



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	21.68	21.78	21.72
20	QPSK	1	49	21.50	21.69	21.49
20	QPSK	1	99	21.58	21.67	21.66
20	QPSK	50	0	20.64	20.71	20.47
20	QPSK	50	24	20.68	20.59	20.56
20	QPSK	50	50	20.45	20.60	20.76
20	QPSK	100	0	20.49	20.60	20.59
20	16QAM	1	0	20.52	20.55	20.67
20	16QAM	1	49	20.57	20.52	20.50
20	16QAM	1	99	20.52	20.66	20.43
20	16QAM	50	0	19.64	19.68	19.76
20	16QAM	50	24	19.53	19.58	19.54
20	16QAM	50	50	19.45	19.39	19.62
20	16QAM	100	0	19.75	19.63	19.72
20	64QAM	1	0	19.55	19.52	19.48
20	64QAM	1	49	19.65	19.54	19.43
20	64QAM	1	99	19.52	19.41	19.58
20	64QAM	50	0	18.61	18.47	18.48
20	64QAM	50	24	18.73	18.41	18.56
20	64QAM	50	50	18.71	18.81	18.69
20	64QAM	100	0	18.51	18.52	18.50



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	21.63	21.75	21.55
15	QPSK	1	37	21.71	21.66	21.56
15	QPSK	1	74	21.62	21.51	21.51
15	QPSK	36	0	20.51	20.57	20.66
15	QPSK	36	20	20.55	20.43	20.62
15	QPSK	36	39	20.37	20.44	20.70
15	QPSK	75	0	20.73	20.60	20.58
15	16QAM	1	0	20.43	20.57	20.62
15	16QAM	1	37	20.38	20.62	20.36
15	16QAM	1	74	20.51	20.52	20.45
15	16QAM	36	0	19.51	19.53	19.53
15	16QAM	36	20	19.50	19.44	19.63
15	16QAM	36	39	19.42	19.37	19.67
15	16QAM	75	0	19.65	19.60	19.55
15	64QAM	1	0	19.47	19.57	19.37
15	64QAM	1	37	19.59	19.40	19.28
15	64QAM	1	74	19.48	19.59	19.56
15	64QAM	36	0	18.73	18.74	18.60
15	64QAM	36	20	18.40	18.46	18.59
15	64QAM	36	39	18.66	18.70	18.71
15	64QAM	75	0	18.60	18.68	18.54



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26090	26365	26640
Frequency (MHz)				1855	1882.5	1910
10	QPSK	1	0	21.53	21.73	21.71
10	QPSK	1	25	21.40	21.50	21.64
10	QPSK	1	49	21.70	21.56	21.66
10	QPSK	25	0	20.58	20.86	20.75
10	QPSK	25	12	20.70	20.55	20.55
10	QPSK	25	25	20.53	20.66	20.58
10	QPSK	50	0	20.71	20.51	20.81
10	16QAM	1	0	20.52	20.79	20.56
10	16QAM	1	25	20.60	20.42	20.50
10	16QAM	1	49	20.60	20.42	20.57
10	16QAM	25	0	19.63	19.72	19.62
10	16QAM	25	12	19.51	19.68	19.36
10	16QAM	25	25	19.65	19.51	19.44
10	16QAM	50	0	19.55	19.79	19.53
10	64QAM	1	0	19.61	19.55	19.51
10	64QAM	1	25	19.43	19.37	19.59
10	64QAM	1	49	19.44	19.46	19.38
10	64QAM	25	0	18.74	18.55	18.63
10	64QAM	25	12	18.69	18.71	18.58
10	64QAM	25	25	18.48	18.70	18.42
10	64QAM	50	0	18.37	18.44	18.51



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26065	26365	26665
Frequency (MHz)				1852.5	1882.5	1912.5
5	QPSK	1	0	21.56	21.74	21.54
5	QPSK	1	12	21.63	21.56	21.57
5	QPSK	1	24	21.69	21.52	21.62
5	QPSK	12	0	20.59	20.67	20.72
5	QPSK	12	7	20.51	20.58	20.73
5	QPSK	12	13	20.64	20.76	20.60
5	QPSK	25	0	20.57	20.66	20.56
5	16QAM	1	0	20.68	20.56	20.48
5	16QAM	1	12	20.32	20.50	20.38
5	16QAM	1	24	20.49	20.34	20.62
5	16QAM	12	0	19.63	19.60	19.78
5	16QAM	12	7	19.68	19.52	19.43
5	16QAM	12	13	19.46	19.61	19.52
5	16QAM	25	0	19.71	19.44	19.43
5	64QAM	1	0	19.54	19.54	19.67
5	64QAM	1	12	19.39	19.67	19.62
5	64QAM	1	24	19.31	19.39	19.33
5	64QAM	12	0	18.44	18.47	18.47
5	64QAM	12	7	18.47	18.41	18.66
5	64QAM	12	13	18.62	18.64	18.69
5	64QAM	25	0	18.63	18.64	18.68



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	21.74	21.76	21.66
3	QPSK	1	8	21.49	21.53	21.48
3	QPSK	1	14	21.70	21.54	21.67
3	QPSK	8	0	20.69	20.71	20.67
3	QPSK	8	4	20.44	20.68	20.64
3	QPSK	8	7	20.62	20.58	20.56
3	QPSK	15	0	20.41	20.59	20.56
3	16QAM	1	0	20.41	20.66	20.45
3	16QAM	1	8	20.54	20.42	20.51
3	16QAM	1	14	20.47	20.57	20.42
3	16QAM	8	0	19.59	19.68	19.61
3	16QAM	8	4	19.47	19.54	19.71
3	16QAM	8	7	19.57	19.59	19.64
3	16QAM	15	0	19.43	19.70	19.68
3	64QAM	1	0	19.55	19.76	19.40
3	64QAM	1	8	19.64	19.52	19.41
3	64QAM	1	14	19.49	19.49	19.35
3	64QAM	8	0	18.52	18.59	18.72
3	64QAM	8	4	18.76	18.49	18.55
3	64QAM	8	7	18.40	18.75	18.50
3	64QAM	15	0	18.41	18.38	18.39



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	21.59	21.75	21.72
1.4	QPSK	1	3	21.66	21.64	21.47
1.4	QPSK	1	5	21.53	21.61	21.62
1.4	QPSK	3	0	20.57	20.86	20.71
1.4	QPSK	3	1	20.55	20.63	20.77
1.4	QPSK	3	3	20.65	20.52	20.75
1.4	QPSK	6	0	20.63	20.64	20.46
1.4	16QAM	1	0	20.56	20.48	20.33
1.4	16QAM	1	3	20.54	20.64	20.53
1.4	16QAM	1	5	20.41	20.43	20.33
1.4	16QAM	3	0	19.59	19.74	19.52
1.4	16QAM	3	1	19.52	19.72	19.52
1.4	16QAM	3	3	19.56	19.54	19.69
1.4	16QAM	6	0	19.40	19.45	19.35
1.4	64QAM	1	0	19.45	19.51	19.66
1.4	64QAM	1	3	19.49	19.67	19.49
1.4	64QAM	1	5	19.59	19.44	19.38
1.4	64QAM	3	0	18.71	18.57	18.55
1.4	64QAM	3	1	18.56	18.68	18.64
1.4	64QAM	3	3	18.65	18.66	18.69
1.4	64QAM	6	0	18.67	18.56	18.60



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	22.39	22.13	22.23
15	QPSK	1	37	22.33	22.26	22.27
15	QPSK	1	74	22.14	22.10	22.16
15	QPSK	36	0	21.34	21.14	21.20
15	QPSK	36	20	21.17	21.15	21.25
15	QPSK	36	39	21.15	21.18	21.20
15	QPSK	75	0	21.05	21.00	21.10
15	16QAM	1	0	21.08	21.02	21.10
15	16QAM	1	37	20.95	20.89	21.00
15	16QAM	1	74	21.12	20.88	20.93
15	16QAM	36	0	20.21	20.24	20.28
15	16QAM	36	20	19.92	19.82	19.89
15	16QAM	36	39	20.25	20.19	20.21
15	16QAM	75	0	20.03	20.18	20.20
15	64QAM	1	0	20.03	19.79	19.90
15	64QAM	1	37	19.89	19.93	20.02
15	64QAM	1	74	19.90	20.03	20.08
15	64QAM	36	0	19.11	19.03	19.04
15	64QAM	36	20	18.99	18.93	19.03
15	64QAM	36	39	19.02	19.01	19.06
15	64QAM	75	0	19.12	19.12	19.20



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	22.21	22.19	22.27
10	QPSK	1	25	22.16	22.14	22.26
10	QPSK	1	49	22.13	22.12	22.18
10	QPSK	25	0	21.01	21.05	21.07
10	QPSK	25	12	21.16	21.21	21.26
10	QPSK	25	25	21.10	21.11	21.17
10	QPSK	50	0	21.03	20.93	21.05
10	16QAM	1	0	20.89	20.82	20.91
10	16QAM	1	25	20.84	20.86	20.96
10	16QAM	1	49	21.14	21.16	21.17
10	16QAM	25	0	20.06	20.08	20.09
10	16QAM	25	12	20.01	20.01	20.06
10	16QAM	25	25	20.18	20.22	20.27
10	16QAM	50	0	20.16	20.22	20.23
10	64QAM	1	0	20.01	20.04	20.11
10	64QAM	1	25	20.07	20.09	20.12
10	64QAM	1	49	20.05	20.06	20.08
10	64QAM	25	0	19.33	19.29	19.34
10	64QAM	25	12	19.10	19.13	19.21
10	64QAM	25	25	19.07	19.03	19.11
10	64QAM	50	0	19.06	19.15	19.17



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	22.23	22.17	22.26
5	QPSK	1	12	21.98	21.98	22.06
5	QPSK	1	24	21.89	21.96	21.98
5	QPSK	12	0	21.02	21.02	21.13
5	QPSK	12	7	21.08	21.15	21.17
5	QPSK	12	13	21.04	21.05	21.12
5	QPSK	25	0	21.16	21.14	21.17
5	16QAM	1	0	20.92	20.95	20.96
5	16QAM	1	12	20.93	20.92	21.02
5	16QAM	1	24	21.01	21.09	21.13
5	16QAM	12	0	20.22	20.16	20.28
5	16QAM	12	7	19.96	20.02	20.03
5	16QAM	12	13	19.91	19.90	19.95
5	16QAM	25	0	20.20	20.16	20.26
5	64QAM	1	0	19.97	19.97	20.00
5	64QAM	1	12	19.92	19.87	19.98
5	64QAM	1	24	20.10	20.03	20.12
5	64QAM	12	0	19.07	19.09	19.17
5	64QAM	12	7	18.97	19.00	19.05
5	64QAM	12	13	19.01	19.02	19.06
5	64QAM	25	0	19.04	19.02	19.07



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26805	26915	27025
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.16	22.27	22.28
3	QPSK	1	8	21.93	22.01	22.05
3	QPSK	1	14	22.28	22.29	22.31
3	QPSK	8	0	21.06	21.09	21.17
3	QPSK	8	4	21.06	21.06	21.13
3	QPSK	8	7	21.16	21.13	21.25
3	QPSK	15	0	21.14	21.11	21.21
3	16QAM	1	0	20.92	20.83	20.93
3	16QAM	1	8	20.85	20.80	20.89
3	16QAM	1	14	21.09	21.08	21.14
3	16QAM	8	0	20.09	20.19	20.21
3	16QAM	8	4	20.07	20.00	20.11
3	16QAM	8	7	19.94	19.90	19.96
3	16QAM	15	0	20.09	20.10	20.12
3	64QAM	1	0	19.85	19.90	19.97
3	64QAM	1	8	19.92	19.98	20.04
3	64QAM	1	14	20.04	20.11	20.14
3	64QAM	8	0	18.96	18.95	19.07
3	64QAM	8	4	19.07	19.12	19.15
3	64QAM	8	7	18.87	18.92	18.97
3	64QAM	15	0	19.00	19.04	19.12



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26797	26915	27033
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.08	22.09	22.12
1.4	QPSK	1	3	22.22	22.31	22.32
1.4	QPSK	1	5	22.26	22.23	22.27
1.4	QPSK	3	0	20.97	21.03	21.06
1.4	QPSK	3	1	21.26	21.29	21.36
1.4	QPSK	3	3	20.99	20.91	21.03
1.4	QPSK	6	0	21.01	20.97	21.07
1.4	16QAM	1	0	20.91	20.93	20.97
1.4	16QAM	1	3	20.95	20.93	20.99
1.4	16QAM	1	5	20.99	20.93	21.01
1.4	16QAM	3	0	19.88	19.96	20.00
1.4	16QAM	3	1	19.96	19.94	20.01
1.4	16QAM	3	3	20.02	19.98	20.08
1.4	16QAM	6	0	20.01	20.03	20.09
1.4	64QAM	1	0	19.93	19.91	19.98
1.4	64QAM	1	3	19.84	19.84	19.95
1.4	64QAM	1	5	19.84	19.82	19.85
1.4	64QAM	3	0	19.18	19.18	19.27
1.4	64QAM	3	1	19.15	19.16	19.20
1.4	64QAM	3	3	19.19	19.23	19.24
1.4	64QAM	6	0	19.23	19.14	19.24



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	23.64	23.78	23.65
20	QPSK	1	49	23.53	23.66	23.63
20	QPSK	1	99	23.60	23.63	23.61
20	QPSK	50	0	22.69	22.76	22.71
20	QPSK	50	24	22.50	22.63	22.66
20	QPSK	50	50	22.60	22.65	22.63
20	QPSK	100	0	22.60	22.54	22.55
20	16QAM	1	0	22.41	22.54	22.73
20	16QAM	1	49	22.57	22.45	22.32
20	16QAM	1	99	22.32	22.68	22.43
20	16QAM	50	0	21.45	21.80	21.56
20	16QAM	50	24	21.54	21.60	21.66
20	16QAM	50	50	21.78	21.42	21.59
20	16QAM	100	0	21.51	21.58	21.70
20	64QAM	1	0	21.42	21.51	21.44
20	64QAM	1	49	21.60	21.71	21.30
20	64QAM	1	99	21.63	21.33	21.35
20	64QAM	50	0	20.39	20.86	20.73
20	64QAM	50	24	20.51	20.56	20.58
20	64QAM	50	50	20.75	20.58	20.66
20	64QAM	100	0	20.58	20.65	20.42



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	23.54	23.75	23.53
15	QPSK	1	37	23.49	23.53	23.51
15	QPSK	1	74	23.54	23.50	23.52
15	QPSK	36	0	22.46	22.55	22.66
15	QPSK	36	20	22.38	22.48	22.51
15	QPSK	36	39	22.51	22.74	22.49
15	QPSK	75	0	22.51	22.50	22.54
15	16QAM	1	0	22.35	22.45	22.68
15	16QAM	1	37	22.52	22.33	22.27
15	16QAM	1	74	22.27	22.59	22.43
15	16QAM	36	0	21.32	21.75	21.43
15	16QAM	36	20	21.51	21.57	21.58
15	16QAM	36	39	21.66	21.38	21.50
15	16QAM	75	0	21.51	21.58	21.57
15	64QAM	1	0	21.36	21.51	21.40
15	64QAM	1	37	21.51	21.56	21.21
15	64QAM	1	74	21.56	21.28	21.25
15	64QAM	36	0	20.31	20.75	20.67
15	64QAM	36	20	20.50	20.51	20.56
15	64QAM	36	39	20.67	20.47	20.63
15	64QAM	75	0	20.57	20.60	20.35



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	23.57	23.70	23.56
10	QPSK	1	25	23.43	23.61	23.49
10	QPSK	1	49	23.51	23.62	23.53
10	QPSK	25	0	22.37	22.51	22.66
10	QPSK	25	12	22.43	22.52	22.59
10	QPSK	25	25	22.52	22.69	22.51
10	QPSK	50	0	22.48	22.51	22.46
10	16QAM	1	0	22.32	22.50	22.67
10	16QAM	1	25	22.52	22.32	22.29
10	16QAM	1	49	22.23	22.53	22.30
10	16QAM	25	0	21.36	21.71	21.45
10	16QAM	25	12	21.54	21.48	21.57
10	16QAM	25	25	21.72	21.40	21.46
10	16QAM	50	0	21.46	21.51	21.70
10	64QAM	1	0	21.32	21.47	21.30
10	64QAM	1	25	21.47	21.63	21.17
10	64QAM	1	49	21.52	21.29	21.20
10	64QAM	25	0	20.36	20.73	20.68
10	64QAM	25	12	20.51	20.49	20.48
10	64QAM	25	25	20.66	20.51	20.61
10	64QAM	50	0	20.45	20.54	20.41



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	23.56	23.76	23.54
5	QPSK	1	12	23.52	23.60	23.55
5	QPSK	1	24	23.46	23.48	23.53
5	QPSK	12	0	22.45	22.56	22.63
5	QPSK	12	7	22.34	22.47	22.51
5	QPSK	12	13	22.53	22.73	22.53
5	QPSK	25	0	22.50	22.42	22.41
5	16QAM	1	0	22.29	22.53	22.61
5	16QAM	1	12	22.55	22.31	22.26
5	16QAM	1	24	22.32	22.67	22.37
5	16QAM	12	0	21.38	21.80	21.48
5	16QAM	12	7	21.45	21.54	21.59
5	16QAM	12	13	21.68	21.34	21.44
5	16QAM	25	0	21.46	21.57	21.65
5	64QAM	1	0	21.36	21.45	21.44
5	64QAM	1	12	21.60	21.70	21.24
5	64QAM	1	24	21.58	21.32	21.21
5	64QAM	12	0	20.39	20.77	20.72
5	64QAM	12	7	20.40	20.48	20.50
5	64QAM	12	13	20.61	20.57	20.55
5	64QAM	25	0	20.58	20.56	20.29



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	22.26	22.40	22.34
20	QPSK	1	49	22.14	22.11	22.09
20	QPSK	1	99	22.25	22.31	22.21
20	QPSK	50	0	21.37	21.43	21.29
20	QPSK	50	24	21.20	21.11	21.12
20	QPSK	50	50	21.08	21.17	21.18
20	QPSK	100	0	21.15	21.13	21.07
20	16QAM	1	0	21.07	21.19	21.12
20	16QAM	1	49	21.12	21.08	20.92
20	16QAM	1	99	21.05	21.24	21.08
20	16QAM	50	0	20.17	20.32	20.23
20	16QAM	50	24	20.04	19.98	20.04
20	16QAM	50	50	20.13	20.15	19.98
20	16QAM	100	0	20.12	20.06	19.98
20	64QAM	1	0	20.14	20.06	20.05
20	64QAM	1	49	20.21	20.25	20.09
20	64QAM	1	99	20.07	19.99	19.97
20	64QAM	50	0	19.24	19.17	19.36
20	64QAM	50	24	18.98	18.98	19.12
20	64QAM	50	50	19.10	19.34	19.18
20	64QAM	100	0	19.18	19.10	19.17



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	22.29	22.35	22.33
15	QPSK	1	37	22.26	22.16	22.26
15	QPSK	1	74	22.21	22.14	22.18
15	QPSK	36	0	21.11	21.16	21.18
15	QPSK	36	20	21.05	21.22	21.31
15	QPSK	36	39	21.22	21.21	21.30
15	QPSK	75	0	21.22	21.25	21.36
15	16QAM	1	0	21.18	21.18	21.01
15	16QAM	1	37	20.86	21.00	21.04
15	16QAM	1	74	20.82	20.96	21.14
15	16QAM	36	0	20.08	20.14	20.23
15	16QAM	36	20	19.94	20.00	20.24
15	16QAM	36	39	20.03	20.13	19.94
15	16QAM	75	0	20.23	20.12	20.13
15	64QAM	1	0	19.93	20.14	20.10
15	64QAM	1	37	19.99	19.86	20.02
15	64QAM	1	74	20.09	19.98	20.12
15	64QAM	36	0	19.16	19.29	19.13
15	64QAM	36	20	19.24	18.98	19.25
15	64QAM	36	39	19.01	19.05	19.20
15	64QAM	75	0	19.03	19.30	19.17



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	22.28	22.36	22.34
10	QPSK	1	25	22.07	22.22	22.35
10	QPSK	1	49	22.14	22.35	22.26
10	QPSK	25	0	21.17	21.15	21.30
10	QPSK	25	12	21.08	21.15	21.30
10	QPSK	25	25	21.01	21.24	21.20
10	QPSK	50	0	21.26	21.39	21.33
10	16QAM	1	0	21.20	21.11	21.29
10	16QAM	1	25	21.05	21.10	21.12
10	16QAM	1	49	21.07	21.24	21.18
10	16QAM	25	0	20.09	20.19	20.35
10	16QAM	25	12	19.99	20.04	19.97
10	16QAM	25	25	20.14	20.15	20.30
10	16QAM	50	0	19.95	20.12	20.11
10	64QAM	1	0	20.09	20.18	20.10
10	64QAM	1	25	19.99	20.23	20.02
10	64QAM	1	49	19.95	19.94	20.23
10	64QAM	25	0	19.27	19.26	19.38
10	64QAM	25	12	19.18	19.08	19.25
10	64QAM	25	25	19.11	19.24	19.26
10	64QAM	50	0	18.88	19.06	18.95



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	22.31	22.37	22.33
5	QPSK	1	12	22.33	22.35	22.21
5	QPSK	1	24	22.22	22.19	22.10
5	QPSK	12	0	21.05	21.23	21.30
5	QPSK	12	7	21.21	20.98	21.12
5	QPSK	12	13	20.91	21.23	20.94
5	QPSK	25	0	21.13	21.30	21.15
5	16QAM	1	0	21.08	21.26	21.11
5	16QAM	1	12	20.91	21.10	21.03
5	16QAM	1	24	20.91	21.24	21.00
5	16QAM	12	0	20.11	20.04	20.11
5	16QAM	12	7	20.21	20.14	20.21
5	16QAM	12	13	20.31	20.08	20.01
5	16QAM	25	0	20.32	20.00	20.09
5	64QAM	1	0	19.95	20.03	19.98
5	64QAM	1	12	20.11	19.92	20.15
5	64QAM	1	24	20.03	20.07	20.00
5	64QAM	12	0	19.08	19.26	19.26
5	64QAM	12	7	19.06	19.29	19.10
5	64QAM	12	13	19.10	19.24	19.00
5	64QAM	25	0	18.88	19.02	18.86



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	22.21	22.33	22.26
3	QPSK	1	8	22.24	22.19	22.22
3	QPSK	1	14	22.23	22.02	22.09
3	QPSK	8	0	21.35	21.36	21.09
3	QPSK	8	4	21.14	21.06	21.02
3	QPSK	8	7	21.06	21.04	21.13
3	QPSK	15	0	20.99	21.18	21.00
3	16QAM	1	0	20.95	21.02	21.26
3	16QAM	1	8	21.08	21.28	21.04
3	16QAM	1	14	20.91	20.99	21.09
3	16QAM	8	0	20.14	20.25	20.23
3	16QAM	8	4	20.03	20.24	20.12
3	16QAM	8	7	20.03	20.10	19.97
3	16QAM	15	0	20.21	20.01	20.05
3	64QAM	1	0	20.16	19.94	20.17
3	64QAM	1	8	19.95	19.98	20.17
3	64QAM	1	14	19.83	20.15	20.01
3	64QAM	8	0	19.16	19.10	19.32
3	64QAM	8	4	19.28	19.18	19.15
3	64QAM	8	7	18.94	19.01	19.34
3	64QAM	15	0	18.99	19.01	18.92



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	22.20	22.36	22.17
1.4	QPSK	1	3	22.05	22.09	22.20
1.4	QPSK	1	5	22.07	22.15	22.34
1.4	QPSK	3	0	21.11	21.31	21.03
1.4	QPSK	3	1	21.13	21.06	21.13
1.4	QPSK	3	3	21.16	21.10	21.27
1.4	QPSK	6	0	21.14	21.11	21.19
1.4	16QAM	1	0	21.07	21.32	21.05
1.4	16QAM	1	3	21.10	21.27	21.05
1.4	16QAM	1	5	21.07	21.13	21.08
1.4	16QAM	3	0	20.12	20.22	20.27
1.4	16QAM	3	1	20.03	20.11	20.13
1.4	16QAM	3	3	20.04	20.25	20.11
1.4	16QAM	6	0	20.17	20.25	20.07
1.4	64QAM	1	0	20.01	20.27	20.12
1.4	64QAM	1	3	19.98	20.19	19.99
1.4	64QAM	1	5	20.13	20.14	20.07
1.4	64QAM	3	0	19.17	19.34	19.21
1.4	64QAM	3	1	19.11	19.05	19.24
1.4	64QAM	3	3	19.27	19.01	19.14
1.4	64QAM	6	0	19.14	19.18	18.93



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	23.23	23.32	23.27
20	QPSK	1	49	23.25	23.11	23.08
20	QPSK	1	99	23.16	23.08	23.19
20	QPSK	50	0	22.12	22.38	22.24
20	QPSK	50	24	22.13	22.15	22.09
20	QPSK	50	50	22.01	22.16	22.15
20	QPSK	100	0	22.13	21.99	22.30
20	16QAM	1	0	22.18	22.11	22.00
20	16QAM	1	49	22.02	21.96	22.05
20	16QAM	1	99	21.91	21.86	22.02
20	16QAM	50	0	21.13	21.37	21.08
20	16QAM	50	24	21.23	21.08	21.18
20	16QAM	50	50	21.02	21.06	21.03
20	16QAM	100	0	20.96	20.95	21.17
20	64QAM	1	0	21.03	21.18	21.11
20	64QAM	1	49	20.90	21.16	20.93
20	64QAM	1	99	21.18	20.94	21.11
20	64QAM	50	0	20.21	20.03	20.22
20	64QAM	50	24	20.04	20.26	20.09
20	64QAM	50	50	19.97	20.30	19.97
20	64QAM	100	0	19.93	19.97	20.07



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	23.06	23.27	23.22
15	QPSK	1	37	23.09	23.10	23.25
15	QPSK	1	74	23.12	23.17	23.02
15	QPSK	36	0	22.15	22.37	22.27
15	QPSK	36	20	22.07	22.09	22.02
15	QPSK	36	39	22.02	22.23	22.18
15	QPSK	75	0	22.00	22.01	22.00
15	16QAM	1	0	22.09	22.06	22.09
15	16QAM	1	37	22.06	22.24	22.06
15	16QAM	1	74	22.03	21.97	22.04
15	16QAM	36	0	20.99	21.09	20.98
15	16QAM	36	20	21.03	20.94	20.84
15	16QAM	36	39	21.12	20.99	21.04
15	16QAM	75	0	21.28	21.24	21.14
15	64QAM	1	0	20.95	21.20	21.05
15	64QAM	1	37	21.07	21.08	20.91
15	64QAM	1	74	21.05	21.13	21.19
15	64QAM	36	0	20.16	20.18	20.26
15	64QAM	36	20	20.03	20.26	20.04
15	64QAM	36	39	19.98	20.08	20.10
15	64QAM	75	0	20.11	19.88	19.91



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	23.28	23.30	23.23
10	QPSK	1	25	23.05	23.25	23.19
10	QPSK	1	49	23.15	23.09	23.02
10	QPSK	25	0	22.08	22.38	22.24
10	QPSK	25	12	22.10	22.05	22.03
10	QPSK	25	25	22.07	22.01	22.05
10	QPSK	50	0	22.16	22.23	22.27
10	16QAM	1	0	22.01	22.26	22.11
10	16QAM	1	25	22.05	21.89	22.03
10	16QAM	1	49	21.91	22.08	22.10
10	16QAM	25	0	21.10	21.30	21.14
10	16QAM	25	12	21.09	21.21	21.07
10	16QAM	25	25	21.17	20.92	21.13
10	16QAM	50	0	21.28	21.12	21.09
10	64QAM	1	0	21.23	21.29	21.17
10	64QAM	1	25	21.04	21.17	21.07
10	64QAM	1	49	21.06	21.00	21.12
10	64QAM	25	0	20.12	20.39	20.34
10	64QAM	25	12	20.25	20.02	20.12
10	64QAM	25	25	20.03	20.30	20.23
10	64QAM	50	0	20.05	19.98	20.09



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5
5	QPSK	1	0	23.06	23.28	23.16
5	QPSK	1	12	23.18	23.17	23.15
5	QPSK	1	24	23.22	23.06	23.05
5	QPSK	12	0	22.32	22.33	22.23
5	QPSK	12	7	22.25	22.21	22.22
5	QPSK	12	13	22.18	22.21	22.25
5	QPSK	25	0	21.94	22.06	22.08
5	16QAM	1	0	22.04	22.08	22.12
5	16QAM	1	12	21.81	21.94	22.06
5	16QAM	1	24	22.03	21.92	22.17
5	16QAM	12	0	21.17	21.30	21.28
5	16QAM	12	7	21.17	21.21	21.22
5	16QAM	12	13	21.15	20.95	21.29
5	16QAM	25	0	21.13	21.22	21.01
5	64QAM	1	0	21.21	20.97	20.86
5	64QAM	1	12	21.02	20.86	20.97
5	64QAM	1	24	21.14	20.99	21.22
5	64QAM	12	0	20.13	20.22	20.11
5	64QAM	12	7	19.97	20.09	20.02
5	64QAM	12	13	19.97	20.14	20.08
5	64QAM	25	0	20.10	20.27	20.03



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	22.38	0.173	22.45	0.176	22.40	0.174
20	QPSK	1	49	22.31	0.170	22.41	0.174	22.38	0.173
20	QPSK	1	99	22.40	0.174	22.35	0.172	22.33	0.171
20	QPSK	50	0	21.35	0.136	21.44	0.139	21.31	0.135
20	QPSK	50	24	21.28	0.134	21.33	0.136	21.36	0.137
20	QPSK	50	50	21.25	0.133	21.32	0.136	21.32	0.136
20	QPSK	100	0	21.27	0.134	21.39	0.138	21.35	0.136
20	16QAM	1	0	21.25	0.133	21.34	0.136	21.27	0.134
20	16QAM	1	49	21.17	0.131	21.26	0.134	21.09	0.129
20	16QAM	1	99	21.14	0.130	21.22	0.132	21.21	0.132
20	16QAM	50	0	20.35	0.108	20.41	0.110	20.38	0.109
20	16QAM	50	24	20.24	0.106	20.32	0.108	20.25	0.106
20	16QAM	50	50	20.29	0.107	20.26	0.106	20.31	0.107
20	16QAM	100	0	20.30	0.107	20.33	0.108	20.29	0.107
20	64QAM	1	0	20.24	0.106	20.30	0.107	20.22	0.105
20	64QAM	1	49	20.19	0.104	20.24	0.106	20.21	0.105
20	64QAM	1	99	20.21	0.105	20.22	0.105	20.23	0.105
20	64QAM	50	0	19.29	0.085	19.41	0.087	19.39	0.087
20	64QAM	50	24	19.30	0.085	19.28	0.085	19.27	0.085
20	64QAM	50	50	19.32	0.086	19.36	0.086	19.32	0.086
20	64QAM	100	0	19.22	0.084	19.29	0.085	19.24	0.084



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	22.28	0.169	22.46	0.176	22.22	0.167
15	QPSK	1	37	22.44	0.175	22.36	0.172	22.39	0.173
15	QPSK	1	74	22.19	0.166	22.29	0.169	22.31	0.170
15	QPSK	36	0	21.26	0.134	21.42	0.139	21.30	0.135
15	QPSK	36	20	21.37	0.137	21.34	0.136	21.18	0.131
15	QPSK	36	39	21.23	0.133	21.20	0.132	21.26	0.134
15	QPSK	75	0	21.19	0.132	21.27	0.134	21.21	0.132
15	16QAM	1	0	21.27	0.134	21.34	0.136	21.24	0.133
15	16QAM	1	37	20.96	0.125	21.07	0.128	21.25	0.133
15	16QAM	1	74	20.89	0.123	21.24	0.133	21.02	0.126
15	16QAM	36	0	20.21	0.105	20.17	0.104	20.33	0.108
15	16QAM	36	20	20.27	0.106	20.24	0.106	20.28	0.107
15	16QAM	36	39	20.30	0.107	20.09	0.102	20.06	0.101
15	16QAM	75	0	20.38	0.109	20.18	0.104	20.30	0.107
15	64QAM	1	0	20.12	0.103	20.42	0.110	20.08	0.102
15	64QAM	1	37	20.24	0.106	20.01	0.100	20.04	0.101
15	64QAM	1	74	20.17	0.104	20.01	0.100	20.26	0.106
15	64QAM	36	0	19.21	0.083	19.23	0.084	19.32	0.086
15	64QAM	36	20	19.23	0.084	19.12	0.082	19.09	0.081
15	64QAM	36	39	19.28	0.085	19.23	0.084	19.09	0.081
15	64QAM	75	0	19.33	0.086	19.10	0.081	19.39	0.087



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	22.47	0.177	22.41	0.174	22.44	0.175
10	QPSK	1	25	22.23	0.167	22.26	0.168	22.33	0.171
10	QPSK	1	49	22.35	0.172	22.33	0.171	22.38	0.173
10	QPSK	25	0	21.31	0.135	21.42	0.139	21.34	0.136
10	QPSK	25	12	21.20	0.132	21.20	0.132	21.24	0.133
10	QPSK	25	25	21.29	0.135	21.32	0.136	21.18	0.131
10	QPSK	50	0	21.21	0.132	21.28	0.134	21.31	0.135
10	16QAM	1	0	21.29	0.135	21.39	0.138	21.16	0.131
10	16QAM	1	25	21.24	0.133	21.23	0.133	21.17	0.131
10	16QAM	1	49	21.13	0.130	21.36	0.137	21.19	0.132
10	16QAM	25	0	20.21	0.105	20.41	0.110	20.20	0.105
10	16QAM	25	12	20.20	0.105	20.36	0.109	20.18	0.104
10	16QAM	25	25	20.34	0.108	20.24	0.106	20.18	0.104
10	16QAM	50	0	20.32	0.108	20.35	0.108	20.25	0.106
10	64QAM	1	0	20.27	0.106	20.33	0.108	20.29	0.107
10	64QAM	1	25	20.21	0.105	20.36	0.109	20.28	0.107
10	64QAM	1	49	20.35	0.108	20.22	0.105	20.31	0.107
10	64QAM	25	0	19.30	0.085	19.53	0.090	19.45	0.088
10	64QAM	25	12	19.29	0.085	19.30	0.085	19.28	0.085
10	64QAM	25	25	19.19	0.083	19.23	0.084	19.35	0.086
10	64QAM	50	0	19.26	0.084	19.28	0.085	19.34	0.086



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	22.35	0.172	22.45	0.176	22.36	0.172
5	QPSK	1	12	22.17	0.165	22.20	0.166	22.18	0.165
5	QPSK	1	24	22.26	0.168	22.23	0.167	22.34	0.171
5	QPSK	12	0	21.43	0.139	21.49	0.141	21.25	0.133
5	QPSK	12	7	21.28	0.134	21.25	0.133	21.39	0.138
5	QPSK	12	13	21.17	0.131	21.38	0.137	21.18	0.131
5	QPSK	25	0	21.37	0.137	21.27	0.134	21.21	0.132
5	16QAM	1	0	21.38	0.137	21.35	0.136	21.23	0.133
5	16QAM	1	12	21.05	0.127	21.40	0.138	21.19	0.132
5	16QAM	1	24	21.32	0.136	21.20	0.132	21.31	0.135
5	16QAM	12	0	20.21	0.105	20.40	0.110	20.31	0.107
5	16QAM	12	7	20.19	0.104	20.25	0.106	20.23	0.105
5	16QAM	12	13	20.31	0.107	20.37	0.109	20.35	0.108
5	16QAM	25	0	20.08	0.102	20.35	0.108	20.07	0.102
5	64QAM	1	0	20.33	0.108	20.35	0.108	20.28	0.107
5	64QAM	1	12	20.12	0.103	20.24	0.106	20.17	0.104
5	64QAM	1	24	20.23	0.105	20.33	0.108	20.22	0.105
5	64QAM	12	0	19.21	0.083	19.36	0.086	19.17	0.083
5	64QAM	12	7	19.17	0.083	19.39	0.087	19.09	0.081
5	64QAM	12	13	19.25	0.084	19.23	0.084	19.13	0.082
5	64QAM	25	0	18.98	0.079	19.13	0.082	19.05	0.080



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	22.25	0.168	22.43	0.175	22.23	0.167
3	QPSK	1	8	22.26	0.168	22.23	0.167	22.22	0.167
3	QPSK	1	14	22.30	0.170	22.38	0.173	22.27	0.169
3	QPSK	8	0	21.26	0.134	21.38	0.137	21.34	0.136
3	QPSK	8	4	21.13	0.130	21.30	0.135	21.35	0.136
3	QPSK	8	7	21.25	0.133	21.32	0.136	21.23	0.133
3	QPSK	15	0	21.20	0.132	21.36	0.137	21.28	0.134
3	16QAM	1	0	21.12	0.129	21.49	0.141	21.34	0.136
3	16QAM	1	8	21.20	0.132	21.05	0.127	21.14	0.130
3	16QAM	1	14	21.09	0.129	21.07	0.128	21.18	0.131
3	16QAM	8	0	20.26	0.106	20.44	0.111	20.39	0.109
3	16QAM	8	4	20.20	0.105	20.39	0.109	20.10	0.102
3	16QAM	8	7	20.44	0.111	20.28	0.107	20.41	0.110
3	16QAM	15	0	20.32	0.108	20.33	0.108	20.04	0.101
3	64QAM	1	0	20.12	0.103	20.42	0.110	20.11	0.103
3	64QAM	1	8	20.19	0.104	20.19	0.104	20.20	0.105
3	64QAM	1	14	20.02	0.100	20.18	0.104	20.06	0.101
3	64QAM	8	0	19.18	0.083	19.32	0.086	19.22	0.084
3	64QAM	8	4	19.43	0.088	19.16	0.082	19.19	0.083
3	64QAM	8	7	19.39	0.087	19.15	0.082	19.28	0.085
3	64QAM	15	0	19.26	0.084	19.29	0.085	19.29	0.085



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	22.43	0.175	22.44	0.175	22.33	0.171
1.4	QPSK	1	3	22.36	0.172	22.33	0.171	22.25	0.168
1.4	QPSK	1	5	22.40	0.174	22.28	0.169	22.17	0.165
1.4	QPSK	3	0	21.20	0.132	21.43	0.139	21.36	0.137
1.4	QPSK	3	1	21.28	0.134	21.19	0.132	21.20	0.132
1.4	QPSK	3	3	21.21	0.132	21.33	0.136	21.37	0.137
1.4	QPSK	6	0	21.38	0.137	21.51	0.142	21.32	0.136
1.4	16QAM	1	0	21.23	0.133	21.46	0.140	21.21	0.132
1.4	16QAM	1	3	21.23	0.133	21.25	0.133	21.22	0.132
1.4	16QAM	1	5	21.18	0.131	21.34	0.136	21.23	0.133
1.4	16QAM	3	0	20.21	0.105	20.31	0.107	20.48	0.112
1.4	16QAM	3	1	20.24	0.106	20.41	0.110	20.46	0.111
1.4	16QAM	3	3	20.36	0.109	20.26	0.106	20.31	0.107
1.4	16QAM	6	0	20.25	0.106	20.39	0.109	20.28	0.107
1.4	64QAM	1	0	20.31	0.107	20.40	0.110	20.34	0.108
1.4	64QAM	1	3	20.09	0.102	20.16	0.104	20.27	0.106
1.4	64QAM	1	5	20.19	0.104	20.29	0.107	20.38	0.109
1.4	64QAM	3	0	19.25	0.084	19.56	0.090	19.37	0.086
1.4	64QAM	3	1	19.27	0.085	19.29	0.085	19.30	0.085
1.4	64QAM	3	3	19.36	0.086	19.21	0.083	19.19	0.083
1.4	64QAM	6	0	19.34	0.086	19.39	0.087	19.23	0.084



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	22.79	0.190	22.93	0.196	22.90	0.195
20	QPSK	1	49	22.70	0.186	22.79	0.190	22.75	0.188
20	QPSK	1	99	22.74	0.188	22.90	0.195	22.79	0.190
20	QPSK	50	0	21.70	0.148	21.94	0.156	21.74	0.149
20	QPSK	50	24	21.56	0.143	21.80	0.151	21.68	0.147
20	QPSK	50	50	21.65	0.146	21.85	0.153	21.66	0.147
20	QPSK	100	0	21.72	0.149	21.76	0.150	21.84	0.153
20	16QAM	1	0	21.53	0.142	21.74	0.149	21.59	0.144
20	16QAM	1	49	21.48	0.141	21.56	0.143	21.72	0.149
20	16QAM	1	99	21.69	0.148	21.61	0.145	21.67	0.147
20	16QAM	50	0	20.80	0.120	20.91	0.123	20.65	0.116
20	16QAM	50	24	20.62	0.115	20.81	0.121	20.79	0.120
20	16QAM	50	50	20.72	0.118	20.78	0.120	20.69	0.117
20	16QAM	100	0	20.71	0.118	20.70	0.117	20.58	0.114
20	64QAM	1	0	20.57	0.114	20.87	0.122	20.84	0.121
20	64QAM	1	49	20.73	0.118	20.82	0.121	20.69	0.117
20	64QAM	1	99	20.62	0.115	20.60	0.115	20.57	0.114
20	64QAM	50	0	19.66	0.092	19.82	0.096	19.84	0.096
20	64QAM	50	24	19.81	0.096	19.87	0.097	19.81	0.096
20	64QAM	50	50	19.65	0.092	19.60	0.091	19.66	0.092
20	64QAM	100	0	19.63	0.092	19.87	0.097	19.88	0.097



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	22.79	0.190	22.90	0.195	22.81	0.191
15	QPSK	1	37	22.67	0.185	22.80	0.191	22.67	0.185
15	QPSK	1	74	22.83	0.192	22.74	0.188	22.58	0.181
15	QPSK	36	0	21.95	0.157	21.99	0.158	21.70	0.148
15	QPSK	36	20	21.73	0.149	21.78	0.151	21.72	0.149
15	QPSK	36	39	21.57	0.144	21.92	0.156	21.58	0.144
15	QPSK	75	0	21.80	0.151	21.78	0.151	21.61	0.145
15	16QAM	1	0	21.77	0.150	21.84	0.153	21.70	0.148
15	16QAM	1	37	21.77	0.150	21.70	0.148	21.63	0.146
15	16QAM	1	74	21.61	0.145	21.75	0.150	21.66	0.147
15	16QAM	36	0	20.65	0.116	20.78	0.120	20.93	0.124
15	16QAM	36	20	20.87	0.122	20.85	0.122	20.56	0.114
15	16QAM	36	39	20.79	0.120	20.61	0.115	20.75	0.119
15	16QAM	75	0	20.59	0.115	20.78	0.120	20.54	0.113
15	64QAM	1	0	20.71	0.118	20.90	0.123	20.86	0.122
15	64QAM	1	37	20.61	0.115	20.76	0.119	20.78	0.120
15	64QAM	1	74	20.75	0.119	20.53	0.113	20.77	0.119
15	64QAM	36	0	19.83	0.096	19.91	0.098	19.79	0.095
15	64QAM	36	20	19.54	0.090	19.75	0.094	19.87	0.097
15	64QAM	36	39	19.75	0.094	19.77	0.095	19.81	0.096
15	64QAM	75	0	19.53	0.090	19.78	0.095	19.57	0.091



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	22.74	0.188	22.87	0.194	22.77	0.189
10	QPSK	1	25	22.81	0.191	22.84	0.192	22.81	0.191
10	QPSK	1	49	22.78	0.190	22.76	0.189	22.77	0.189
10	QPSK	25	0	21.97	0.157	21.88	0.154	21.87	0.154
10	QPSK	25	12	21.62	0.145	21.73	0.149	21.87	0.154
10	QPSK	25	25	21.77	0.150	21.89	0.155	21.69	0.148
10	QPSK	50	0	21.67	0.147	21.80	0.151	21.91	0.155
10	16QAM	1	0	21.89	0.155	21.79	0.151	21.72	0.149
10	16QAM	1	25	21.62	0.145	21.52	0.142	21.70	0.148
10	16QAM	1	49	21.66	0.147	21.74	0.149	21.78	0.151
10	16QAM	25	0	20.93	0.124	20.87	0.122	20.77	0.119
10	16QAM	25	12	20.56	0.114	20.56	0.114	20.73	0.118
10	16QAM	25	25	20.56	0.114	20.83	0.121	20.89	0.123
10	16QAM	50	0	20.69	0.117	20.95	0.124	20.74	0.119
10	64QAM	1	0	20.84	0.121	20.84	0.121	20.80	0.120
10	64QAM	1	25	20.45	0.111	20.52	0.113	20.67	0.117
10	64QAM	1	49	20.52	0.113	20.68	0.117	20.68	0.117
10	64QAM	25	0	19.69	0.093	19.94	0.099	20.02	0.100
10	64QAM	25	12	19.87	0.097	19.64	0.092	19.68	0.093
10	64QAM	25	25	19.91	0.098	19.71	0.094	19.78	0.095
10	64QAM	50	0	19.73	0.094	19.77	0.095	19.57	0.091



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	22.82	0.191	22.89	0.195	22.81	0.191
5	QPSK	1	12	22.75	0.188	22.76	0.189	22.78	0.190
5	QPSK	1	24	22.83	0.192	22.75	0.188	22.82	0.191
5	QPSK	12	0	21.80	0.151	21.96	0.157	21.92	0.156
5	QPSK	12	7	21.83	0.152	21.87	0.154	21.94	0.156
5	QPSK	12	13	21.66	0.147	21.74	0.149	21.70	0.148
5	QPSK	25	0	21.75	0.150	21.78	0.151	21.88	0.154
5	16QAM	1	0	21.87	0.154	21.92	0.156	21.70	0.148
5	16QAM	1	12	21.59	0.144	21.80	0.151	21.69	0.148
5	16QAM	1	24	21.69	0.148	21.66	0.147	21.85	0.153
5	16QAM	12	0	20.73	0.118	20.70	0.117	20.92	0.124
5	16QAM	12	7	20.77	0.119	20.74	0.119	20.89	0.123
5	16QAM	12	13	20.70	0.117	20.87	0.122	20.88	0.122
5	16QAM	25	0	20.91	0.123	20.74	0.119	20.69	0.117
5	64QAM	1	0	20.62	0.115	20.73	0.118	20.67	0.117
5	64QAM	1	12	20.55	0.114	20.55	0.114	20.77	0.119
5	64QAM	1	24	20.70	0.117	20.73	0.118	20.68	0.117
5	64QAM	12	0	19.87	0.097	19.70	0.093	19.67	0.093
5	64QAM	12	7	19.91	0.098	19.78	0.095	19.84	0.096
5	64QAM	12	13	19.78	0.095	19.68	0.093	19.75	0.094
5	64QAM	25	0	19.86	0.097	19.56	0.090	19.84	0.096



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	22.82	0.191	22.90	0.195	22.84	0.192
3	QPSK	1	8	22.84	0.192	22.81	0.191	22.81	0.191
3	QPSK	1	14	22.80	0.191	22.74	0.188	22.68	0.185
3	QPSK	8	0	21.88	0.154	21.94	0.156	21.65	0.146
3	QPSK	8	4	21.83	0.152	21.69	0.148	21.93	0.156
3	QPSK	8	7	21.67	0.147	21.71	0.148	21.70	0.148
3	QPSK	15	0	21.66	0.147	21.83	0.152	21.82	0.152
3	16QAM	1	0	21.72	0.149	21.83	0.152	21.74	0.149
3	16QAM	1	8	21.65	0.146	21.56	0.143	21.55	0.143
3	16QAM	1	14	21.73	0.149	21.67	0.147	21.61	0.145
3	16QAM	8	0	20.72	0.118	20.90	0.123	20.74	0.119
3	16QAM	8	4	20.59	0.115	20.88	0.122	20.52	0.113
3	16QAM	8	7	20.82	0.121	20.77	0.119	20.77	0.119
3	16QAM	15	0	20.73	0.118	20.77	0.119	20.77	0.119
3	64QAM	1	0	20.86	0.122	20.83	0.121	20.84	0.121
3	64QAM	1	8	20.73	0.118	20.81	0.121	20.77	0.119
3	64QAM	1	14	20.67	0.117	20.78	0.120	20.79	0.120
3	64QAM	8	0	19.67	0.093	19.75	0.094	19.94	0.099
3	64QAM	8	4	19.75	0.094	19.84	0.096	19.80	0.095
3	64QAM	8	7	19.63	0.092	19.68	0.093	19.85	0.097
3	64QAM	15	0	19.70	0.093	19.84	0.096	19.50	0.089



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	22.82	0.191	22.91	0.195	22.79	0.190
1.4	QPSK	1	3	22.85	0.193	22.77	0.189	22.67	0.185
1.4	QPSK	1	5	22.66	0.185	22.81	0.191	22.81	0.191
1.4	QPSK	3	0	21.98	0.158	21.93	0.156	21.95	0.157
1.4	QPSK	3	1	21.87	0.154	21.97	0.157	21.69	0.148
1.4	QPSK	3	3	21.79	0.151	21.89	0.155	21.68	0.147
1.4	QPSK	6	0	21.83	0.152	21.84	0.153	21.96	0.157
1.4	16QAM	1	0	21.75	0.150	21.93	0.156	21.85	0.153
1.4	16QAM	1	3	21.62	0.145	21.84	0.153	21.68	0.147
1.4	16QAM	1	5	21.60	0.145	21.84	0.153	21.57	0.144
1.4	16QAM	3	0	20.79	0.120	20.85	0.122	20.79	0.120
1.4	16QAM	3	1	20.71	0.118	20.68	0.117	20.79	0.120
1.4	16QAM	3	3	20.70	0.117	20.71	0.118	20.70	0.117
1.4	16QAM	6	0	20.77	0.119	20.87	0.122	20.90	0.123
1.4	64QAM	1	0	20.64	0.116	20.92	0.124	20.72	0.118
1.4	64QAM	1	3	20.52	0.113	20.84	0.121	20.76	0.119
1.4	64QAM	1	5	20.54	0.113	20.55	0.114	20.71	0.118
1.4	64QAM	3	0	19.79	0.095	19.97	0.099	19.94	0.099
1.4	64QAM	3	1	19.80	0.095	19.75	0.094	19.76	0.095
1.4	64QAM	3	3	19.68	0.093	19.94	0.099	19.71	0.094
1.4	64QAM	6	0	19.74	0.094	19.83	0.096	19.68	0.093



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.21	0.132	21.51	0.142	21.43	0.139
10	QPSK	1	25	21.19	0.132	21.44	0.139	21.33	0.136
10	QPSK	1	49	21.24	0.133	21.32	0.136	21.43	0.139
10	QPSK	25	0	20.30	0.107	20.45	0.111	20.27	0.106
10	QPSK	25	12	20.40	0.110	20.24	0.106	20.34	0.108
10	QPSK	25	25	20.19	0.104	20.24	0.106	20.30	0.107
10	QPSK	50	0	20.37	0.109	20.35	0.108	20.24	0.106
10	16QAM	1	0	20.34	0.108	20.30	0.107	20.41	0.110
10	16QAM	1	25	20.31	0.107	20.40	0.110	20.13	0.103
10	16QAM	1	49	20.15	0.104	20.32	0.108	20.20	0.105
10	16QAM	25	0	19.27	0.085	19.38	0.087	19.49	0.089
10	16QAM	25	12	19.24	0.084	19.25	0.084	19.26	0.084
10	16QAM	25	25	19.31	0.085	19.36	0.086	19.40	0.087
10	16QAM	50	0	19.09	0.081	19.37	0.086	19.38	0.087
10	64QAM	1	0	19.29	0.085	19.44	0.088	19.26	0.084
10	64QAM	1	25	19.05	0.080	19.06	0.081	19.28	0.085
10	64QAM	1	49	19.23	0.084	19.18	0.083	19.33	0.086
10	64QAM	25	0	18.22	0.066	18.31	0.068	18.32	0.068
10	64QAM	25	12	18.19	0.066	18.12	0.065	18.21	0.066
10	64QAM	25	25	18.19	0.066	18.26	0.067	18.44	0.070
10	64QAM	50	0	18.13	0.065	18.24	0.067	18.27	0.067



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.25	0.133	21.49	0.141	21.31	0.135
5	QPSK	1	12	21.31	0.135	21.16	0.131	21.15	0.130
5	QPSK	1	24	21.33	0.136	21.41	0.138	21.47	0.140
5	QPSK	12	0	20.29	0.107	20.52	0.113	20.32	0.108
5	QPSK	12	7	20.19	0.104	20.32	0.108	20.48	0.112
5	QPSK	12	13	20.26	0.106	20.32	0.108	20.46	0.111
5	QPSK	25	0	20.23	0.105	20.18	0.104	20.18	0.104
5	16QAM	1	0	20.19	0.104	20.42	0.110	20.12	0.103
5	16QAM	1	12	20.14	0.103	20.34	0.108	20.23	0.105
5	16QAM	1	24	20.21	0.105	20.01	0.100	20.05	0.101
5	16QAM	12	0	19.48	0.089	19.48	0.089	19.49	0.089
5	16QAM	12	7	19.37	0.086	19.28	0.085	19.14	0.082
5	16QAM	12	13	19.40	0.087	19.31	0.085	19.29	0.085
5	16QAM	25	0	19.07	0.081	19.31	0.085	19.40	0.087
5	64QAM	1	0	19.04	0.080	19.20	0.083	19.24	0.084
5	64QAM	1	12	19.15	0.082	19.17	0.083	19.01	0.080
5	64QAM	1	24	19.10	0.081	19.23	0.084	19.15	0.082
5	64QAM	12	0	18.14	0.065	18.33	0.068	18.19	0.066
5	64QAM	12	7	18.37	0.069	18.37	0.069	18.25	0.067
5	64QAM	12	13	18.29	0.067	18.43	0.070	18.42	0.070
5	64QAM	25	0	18.30	0.068	18.42	0.070	18.35	0.068



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.41	0.138	21.46	0.140	21.31	0.135
3	QPSK	1	8	21.38	0.137	21.31	0.135	21.20	0.132
3	QPSK	1	14	21.32	0.136	21.42	0.139	21.17	0.131
3	QPSK	8	0	20.29	0.107	20.47	0.111	20.25	0.106
3	QPSK	8	4	20.05	0.101	20.41	0.110	20.41	0.110
3	QPSK	8	7	20.35	0.108	20.44	0.111	20.30	0.107
3	QPSK	15	0	20.28	0.107	20.53	0.113	20.26	0.106
3	16QAM	1	0	20.28	0.107	20.39	0.109	20.01	0.100
3	16QAM	1	8	20.22	0.105	20.27	0.106	20.13	0.103
3	16QAM	1	14	20.12	0.103	20.27	0.106	20.27	0.106
3	16QAM	8	0	19.11	0.081	19.30	0.085	19.42	0.087
3	16QAM	8	4	19.27	0.085	19.30	0.085	19.27	0.085
3	16QAM	8	7	19.08	0.081	19.33	0.086	19.42	0.087
3	16QAM	15	0	19.17	0.083	19.28	0.085	19.16	0.082
3	64QAM	1	0	19.26	0.084	19.20	0.083	19.16	0.082
3	64QAM	1	8	19.31	0.085	19.25	0.084	19.23	0.084
3	64QAM	1	14	19.19	0.083	19.31	0.085	19.35	0.086
3	64QAM	8	0	18.35	0.068	18.20	0.066	18.43	0.070
3	64QAM	8	4	18.39	0.069	18.14	0.065	18.21	0.066
3	64QAM	8	7	18.26	0.067	18.22	0.066	18.36	0.069
3	64QAM	15	0	18.24	0.067	18.38	0.069	18.22	0.066



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.46	0.140	21.48	0.141	21.33	0.136
1.4	QPSK	1	3	21.09	0.129	21.20	0.132	21.30	0.135
1.4	QPSK	1	5	21.34	0.136	21.12	0.129	21.37	0.137
1.4	QPSK	3	0	20.45	0.111	20.54	0.113	20.21	0.105
1.4	QPSK	3	1	20.28	0.107	20.22	0.105	20.22	0.105
1.4	QPSK	3	3	20.20	0.105	20.24	0.106	20.27	0.106
1.4	QPSK	6	0	20.33	0.108	20.23	0.105	20.24	0.106
1.4	16QAM	1	0	20.11	0.103	20.39	0.109	20.21	0.105
1.4	16QAM	1	3	20.24	0.106	20.10	0.102	20.03	0.101
1.4	16QAM	1	5	20.11	0.103	20.22	0.105	20.16	0.104
1.4	16QAM	3	0	19.20	0.083	19.33	0.086	19.23	0.084
1.4	16QAM	3	1	19.30	0.085	19.34	0.086	19.17	0.083
1.4	16QAM	3	3	19.19	0.083	19.25	0.084	19.24	0.084
1.4	16QAM	6	0	19.21	0.083	19.42	0.087	19.24	0.084
1.4	64QAM	1	0	19.00	0.079	19.42	0.087	19.17	0.083
1.4	64QAM	1	3	19.33	0.086	19.01	0.080	19.12	0.082
1.4	64QAM	1	5	19.34	0.086	19.28	0.085	19.26	0.084
1.4	64QAM	3	0	18.31	0.068	18.35	0.068	18.40	0.069
1.4	64QAM	3	1	18.39	0.069	18.36	0.069	18.29	0.067
1.4	64QAM	3	3	18.15	0.065	18.45	0.070	18.26	0.067
1.4	64QAM	6	0	18.19	0.066	18.34	0.068	18.29	0.067



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.45	0.070	18.54	0.071	18.46	0.070
10	QPSK	1	25	18.38	0.069	18.41	0.069	18.31	0.068
10	QPSK	1	49	18.38	0.069	18.36	0.069	18.47	0.070
10	QPSK	25	0	17.48	0.056	17.34	0.054	17.22	0.053
10	QPSK	25	12	17.43	0.055	17.35	0.054	17.18	0.052
10	QPSK	25	25	17.46	0.056	17.23	0.053	17.16	0.052
10	QPSK	50	0	17.19	0.052	17.31	0.054	17.47	0.056
10	16QAM	1	0	17.24	0.053	17.36	0.054	17.25	0.053
10	16QAM	1	25	17.32	0.054	17.30	0.054	17.27	0.053
10	16QAM	1	49	17.22	0.053	17.11	0.051	17.24	0.053
10	16QAM	25	0	16.48	0.044	16.52	0.045	16.31	0.043
10	16QAM	25	12	16.14	0.041	16.22	0.042	16.29	0.043
10	16QAM	25	25	16.34	0.043	16.29	0.043	16.32	0.043
10	16QAM	50	0	16.21	0.042	16.18	0.041	16.37	0.043
10	64QAM	1	0	16.29	0.043	16.27	0.042	16.30	0.043
10	64QAM	1	25	16.22	0.042	16.37	0.043	16.10	0.041
10	64QAM	1	49	16.23	0.042	16.04	0.040	16.33	0.043
10	64QAM	25	0	15.34	0.034	15.28	0.034	15.32	0.034
10	64QAM	25	12	15.12	0.033	15.20	0.033	15.21	0.033
10	64QAM	25	25	15.16	0.033	15.36	0.034	15.17	0.033
10	64QAM	50	0	15.33	0.034	15.17	0.033	15.25	0.033



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.29	0.067	18.52	0.071	18.37	0.069
5	QPSK	1	12	18.38	0.069	18.35	0.068	18.29	0.067
5	QPSK	1	24	18.31	0.068	18.27	0.067	18.27	0.067
5	QPSK	12	0	17.36	0.054	17.40	0.055	17.27	0.053
5	QPSK	12	7	17.21	0.053	17.32	0.054	17.34	0.054
5	QPSK	12	13	17.40	0.055	17.35	0.054	17.37	0.055
5	QPSK	25	0	17.24	0.053	17.39	0.055	17.27	0.053
5	16QAM	1	0	17.35	0.054	17.31	0.054	17.11	0.051
5	16QAM	1	12	17.31	0.054	17.12	0.052	17.17	0.052
5	16QAM	1	24	17.16	0.052	17.15	0.052	17.36	0.054
5	16QAM	12	0	16.28	0.042	16.43	0.044	16.33	0.043
5	16QAM	12	7	16.26	0.042	16.44	0.044	16.31	0.043
5	16QAM	12	13	16.38	0.043	16.43	0.044	16.15	0.041
5	16QAM	25	0	16.12	0.041	16.28	0.042	16.12	0.041
5	64QAM	1	0	16.39	0.044	16.18	0.041	16.19	0.042
5	64QAM	1	12	16.23	0.042	16.44	0.044	16.25	0.042
5	64QAM	1	24	16.29	0.043	16.18	0.041	16.31	0.043
5	64QAM	12	0	15.37	0.034	15.25	0.033	15.33	0.034
5	64QAM	12	7	15.14	0.033	15.21	0.033	15.22	0.033
5	64QAM	12	13	15.30	0.034	15.37	0.034	15.21	0.033
5	64QAM	25	0	15.15	0.033	15.40	0.035	15.37	0.034



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	18.39	0.069	18.49	0.071	18.47	0.070
3	QPSK	1	8	18.41	0.069	18.29	0.067	18.36	0.069
3	QPSK	1	14	18.45	0.070	18.23	0.067	18.26	0.067
3	QPSK	8	0	17.42	0.055	17.37	0.055	17.23	0.053
3	QPSK	8	4	17.38	0.055	17.17	0.052	17.38	0.055
3	QPSK	8	7	17.22	0.053	17.22	0.053	17.33	0.054
3	QPSK	15	0	17.29	0.054	17.20	0.052	17.46	0.056
3	16QAM	1	0	17.28	0.053	17.29	0.054	17.26	0.053
3	16QAM	1	8	17.17	0.052	17.37	0.055	17.11	0.051
3	16QAM	1	14	17.30	0.054	17.18	0.052	17.38	0.055
3	16QAM	8	0	16.28	0.042	16.30	0.043	16.44	0.044
3	16QAM	8	4	16.29	0.043	16.47	0.044	16.21	0.042
3	16QAM	8	7	16.19	0.042	16.18	0.041	16.14	0.041
3	16QAM	15	0	16.33	0.043	16.22	0.042	16.39	0.044
3	64QAM	1	0	16.17	0.041	16.30	0.043	16.31	0.043
3	64QAM	1	8	16.40	0.044	16.36	0.043	16.37	0.043
3	64QAM	1	14	16.39	0.044	16.35	0.043	16.29	0.043
3	64QAM	8	0	15.37	0.034	15.25	0.033	15.21	0.033
3	64QAM	8	4	15.12	0.033	15.26	0.034	15.47	0.035
3	64QAM	8	7	15.19	0.033	15.41	0.035	15.23	0.033
3	64QAM	15	0	15.33	0.034	15.10	0.032	15.32	0.034



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	18.48	0.070	18.51	0.071	18.33	0.068
1.4	QPSK	1	3	18.20	0.066	18.30	0.068	18.42	0.070
1.4	QPSK	1	5	18.36	0.069	18.27	0.067	18.16	0.065
1.4	QPSK	3	0	17.30	0.054	17.35	0.054	17.24	0.053
1.4	QPSK	3	1	17.23	0.053	17.31	0.054	17.26	0.053
1.4	QPSK	3	3	17.29	0.054	17.22	0.053	17.27	0.053
1.4	QPSK	6	0	17.45	0.056	17.48	0.056	17.52	0.056
1.4	16QAM	1	0	17.35	0.054	17.36	0.054	17.35	0.054
1.4	16QAM	1	3	17.25	0.053	17.22	0.053	17.04	0.051
1.4	16QAM	1	5	17.15	0.052	17.28	0.053	17.25	0.053
1.4	16QAM	3	0	16.37	0.043	16.35	0.043	16.37	0.043
1.4	16QAM	3	1	16.38	0.043	16.33	0.043	16.31	0.043
1.4	16QAM	3	3	16.24	0.042	16.29	0.043	16.28	0.042
1.4	16QAM	6	0	16.48	0.044	16.45	0.044	16.49	0.045
1.4	64QAM	1	0	16.13	0.041	16.14	0.041	16.25	0.042
1.4	64QAM	1	3	16.10	0.041	16.16	0.041	16.38	0.043
1.4	64QAM	1	5	16.27	0.042	16.05	0.040	16.20	0.042
1.4	64QAM	3	0	15.33	0.034	15.54	0.036	15.38	0.035
1.4	64QAM	3	1	15.29	0.034	15.28	0.034	15.31	0.034
1.4	64QAM	3	3	15.47	0.035	15.43	0.035	15.48	0.035
1.4	64QAM	6	0	15.17	0.033	15.41	0.035	15.25	0.033



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	/	/	21.55	0.143	/	/
10	QPSK	1	25	/	/	21.33	0.136	/	/
10	QPSK	1	49	/	/	21.39	0.138	/	/
10	QPSK	25	0	/	/	20.49	0.112	/	/
10	QPSK	25	12	/	/	20.44	0.111	/	/
10	QPSK	25	25	/	/	20.48	0.112	/	/
10	QPSK	50	0	/	/	20.37	0.109	/	/
10	16QAM	1	0	/	/	20.53	0.113	/	/
10	16QAM	1	25	/	/	20.54	0.113	/	/
10	16QAM	1	49	/	/	20.41	0.110	/	/
10	16QAM	25	0	/	/	19.54	0.090	/	/
10	16QAM	25	12	/	/	19.46	0.088	/	/
10	16QAM	25	25	/	/	19.39	0.087	/	/
10	16QAM	50	0	/	/	19.41	0.087	/	/
10	64QAM	1	0	/	/	19.46	0.088	/	/
10	64QAM	1	25	/	/	19.40	0.087	/	/
10	64QAM	1	49	/	/	19.48	0.089	/	/
10	64QAM	25	0	/	/	18.53	0.071	/	/
10	64QAM	25	12	/	/	18.51	0.071	/	/
10	64QAM	25	25	/	/	18.44	0.070	/	/
10	64QAM	50	0	/	/	18.47	0.070	/	/



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	21.39	0.138	21.52	0.142	21.38	0.137
5	QPSK	1	12	21.29	0.135	21.26	0.134	21.15	0.130
5	QPSK	1	24	21.18	0.131	21.26	0.134	21.23	0.133
5	QPSK	12	0	20.22	0.105	20.20	0.105	20.19	0.104
5	QPSK	12	7	20.21	0.105	20.37	0.109	20.38	0.109
5	QPSK	12	13	20.14	0.103	20.30	0.107	20.36	0.109
5	QPSK	25	0	20.18	0.104	20.38	0.109	20.29	0.107
5	16QAM	1	0	20.21	0.105	20.38	0.109	20.30	0.107
5	16QAM	1	12	20.24	0.106	20.14	0.103	20.13	0.103
5	16QAM	1	24	20.17	0.104	20.18	0.104	20.12	0.103
5	16QAM	12	0	19.16	0.082	19.37	0.086	19.25	0.084
5	16QAM	12	7	19.09	0.081	19.16	0.082	19.22	0.084
5	16QAM	12	13	19.10	0.081	19.27	0.085	19.08	0.081
5	16QAM	25	0	19.31	0.085	19.19	0.083	19.36	0.086
5	64QAM	1	0	19.30	0.085	19.36	0.086	19.20	0.083
5	64QAM	1	12	19.19	0.083	19.22	0.084	19.13	0.082
5	64QAM	1	24	19.20	0.083	18.97	0.079	19.09	0.081
5	64QAM	12	0	18.18	0.066	18.40	0.069	18.07	0.064
5	64QAM	12	7	18.22	0.066	17.96	0.063	18.29	0.067
5	64QAM	12	13	18.09	0.064	18.21	0.066	18.32	0.068
5	64QAM	25	0	18.18	0.066	18.34	0.068	18.03	0.064



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	22.36	0.172	22.46	0.176	22.40	0.174
20	QPSK	1	49	22.18	0.165	22.37	0.173	22.17	0.165
20	QPSK	1	99	22.26	0.168	22.35	0.172	22.34	0.171
20	QPSK	50	0	21.32	0.136	21.39	0.138	21.15	0.130
20	QPSK	50	24	21.36	0.137	21.27	0.134	21.24	0.133
20	QPSK	50	50	21.13	0.130	21.28	0.134	21.44	0.139
20	QPSK	100	0	21.17	0.131	21.28	0.134	21.27	0.134
20	16QAM	1	0	21.20	0.132	21.23	0.133	21.35	0.136
20	16QAM	1	49	21.25	0.133	21.20	0.132	21.18	0.131
20	16QAM	1	99	21.20	0.132	21.34	0.136	21.11	0.129
20	16QAM	50	0	20.32	0.108	20.36	0.109	20.44	0.111
20	16QAM	50	24	20.21	0.105	20.26	0.106	20.22	0.105
20	16QAM	50	50	20.13	0.103	20.07	0.102	20.30	0.107
20	16QAM	100	0	20.43	0.110	20.31	0.107	20.40	0.110
20	64QAM	1	0	20.23	0.105	20.20	0.105	20.16	0.104
20	64QAM	1	49	20.33	0.108	20.22	0.105	20.11	0.103
20	64QAM	1	99	20.20	0.105	20.09	0.102	20.26	0.106
20	64QAM	50	0	19.29	0.085	19.15	0.082	19.16	0.082
20	64QAM	50	24	19.41	0.087	19.09	0.081	19.24	0.084
20	64QAM	50	50	19.39	0.087	19.49	0.089	19.37	0.086
20	64QAM	100	0	19.19	0.083	19.20	0.083	19.18	0.083



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	22.31	0.170	22.43	0.175	22.23	0.167
15	QPSK	1	37	22.39	0.173	22.34	0.171	22.24	0.167
15	QPSK	1	74	22.30	0.170	22.19	0.166	22.19	0.166
15	QPSK	36	0	21.19	0.132	21.25	0.133	21.34	0.136
15	QPSK	36	20	21.23	0.133	21.11	0.129	21.30	0.135
15	QPSK	36	39	21.05	0.127	21.12	0.129	21.38	0.137
15	QPSK	75	0	21.41	0.138	21.28	0.134	21.26	0.134
15	16QAM	1	0	21.11	0.129	21.25	0.133	21.30	0.135
15	16QAM	1	37	21.06	0.128	21.30	0.135	21.04	0.127
15	16QAM	1	74	21.19	0.132	21.20	0.132	21.13	0.130
15	16QAM	36	0	20.19	0.104	20.21	0.105	20.21	0.105
15	16QAM	36	20	20.18	0.104	20.12	0.103	20.31	0.107
15	16QAM	36	39	20.10	0.102	20.05	0.101	20.35	0.108
15	16QAM	75	0	20.33	0.108	20.28	0.107	20.23	0.105
15	64QAM	1	0	20.15	0.104	20.25	0.106	20.05	0.101
15	64QAM	1	37	20.27	0.106	20.08	0.102	19.96	0.099
15	64QAM	1	74	20.16	0.104	20.27	0.106	20.24	0.106
15	64QAM	36	0	19.41	0.087	19.42	0.087	19.28	0.085
15	64QAM	36	20	19.08	0.081	19.14	0.082	19.27	0.085
15	64QAM	36	39	19.34	0.086	19.38	0.087	19.39	0.087
15	64QAM	75	0	19.28	0.085	19.36	0.086	19.22	0.084



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	22.21	0.166	22.41	0.174	22.39	0.173
10	QPSK	1	25	22.08	0.161	22.18	0.165	22.32	0.171
10	QPSK	1	49	22.38	0.173	22.24	0.167	22.34	0.171
10	QPSK	25	0	21.26	0.134	21.54	0.143	21.43	0.139
10	QPSK	25	12	21.38	0.137	21.23	0.133	21.23	0.133
10	QPSK	25	25	21.21	0.132	21.34	0.136	21.26	0.134
10	QPSK	50	0	21.39	0.138	21.19	0.132	21.49	0.141
10	16QAM	1	0	21.20	0.132	21.47	0.140	21.24	0.133
10	16QAM	1	25	21.28	0.134	21.10	0.129	21.18	0.131
10	16QAM	1	49	21.28	0.134	21.10	0.129	21.25	0.133
10	16QAM	25	0	20.31	0.107	20.40	0.110	20.30	0.107
10	16QAM	25	12	20.19	0.104	20.36	0.109	20.04	0.101
10	16QAM	25	25	20.33	0.108	20.19	0.104	20.12	0.103
10	16QAM	50	0	20.23	0.105	20.47	0.111	20.21	0.105
10	64QAM	1	0	20.29	0.107	20.23	0.105	20.19	0.104
10	64QAM	1	25	20.11	0.103	20.05	0.101	20.27	0.106
10	64QAM	1	49	20.12	0.103	20.14	0.103	20.06	0.101
10	64QAM	25	0	19.42	0.087	19.23	0.084	19.31	0.085
10	64QAM	25	12	19.37	0.086	19.39	0.087	19.26	0.084
10	64QAM	25	25	19.16	0.082	19.38	0.087	19.10	0.081
10	64QAM	50	0	19.05	0.080	19.12	0.082	19.19	0.083



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	22.24	0.167	22.42	0.175	22.22	0.167
5	QPSK	1	12	22.31	0.170	22.24	0.167	22.25	0.168
5	QPSK	1	24	22.37	0.173	22.20	0.166	22.30	0.170
5	QPSK	12	0	21.27	0.134	21.35	0.136	21.40	0.138
5	QPSK	12	7	21.19	0.132	21.26	0.134	21.41	0.138
5	QPSK	12	13	21.32	0.136	21.44	0.139	21.28	0.134
5	QPSK	25	0	21.25	0.133	21.34	0.136	21.24	0.133
5	16QAM	1	0	21.36	0.137	21.24	0.133	21.16	0.131
5	16QAM	1	12	21.00	0.126	21.18	0.131	21.06	0.128
5	16QAM	1	24	21.17	0.131	21.02	0.126	21.30	0.135
5	16QAM	12	0	20.31	0.107	20.28	0.107	20.46	0.111
5	16QAM	12	7	20.36	0.109	20.20	0.105	20.11	0.103
5	16QAM	12	13	20.14	0.103	20.29	0.107	20.20	0.105
5	16QAM	25	0	20.39	0.109	20.12	0.103	20.11	0.103
5	64QAM	1	0	20.22	0.105	20.22	0.105	20.35	0.108
5	64QAM	1	12	20.07	0.102	20.35	0.108	20.30	0.107
5	64QAM	1	24	19.99	0.100	20.07	0.102	20.01	0.100
5	64QAM	12	0	19.12	0.082	19.15	0.082	19.15	0.082
5	64QAM	12	7	19.15	0.082	19.09	0.081	19.34	0.086
5	64QAM	12	13	19.30	0.085	19.32	0.086	19.37	0.086
5	64QAM	25	0	19.31	0.085	19.32	0.086	19.36	0.086



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	22.42	0.175	22.44	0.175	22.34	0.171
3	QPSK	1	8	22.17	0.165	22.21	0.166	22.16	0.164
3	QPSK	1	14	22.38	0.173	22.22	0.167	22.35	0.172
3	QPSK	8	0	21.37	0.137	21.39	0.138	21.35	0.136
3	QPSK	8	4	21.12	0.129	21.36	0.137	21.32	0.136
3	QPSK	8	7	21.30	0.135	21.26	0.134	21.24	0.133
3	QPSK	15	0	21.09	0.129	21.27	0.134	21.24	0.133
3	16QAM	1	0	21.09	0.129	21.34	0.136	21.13	0.130
3	16QAM	1	8	21.22	0.132	21.10	0.129	21.19	0.132
3	16QAM	1	14	21.15	0.130	21.25	0.133	21.10	0.129
3	16QAM	8	0	20.27	0.106	20.36	0.109	20.29	0.107
3	16QAM	8	4	20.15	0.104	20.22	0.105	20.39	0.109
3	16QAM	8	7	20.25	0.106	20.27	0.106	20.32	0.108
3	16QAM	15	0	20.11	0.103	20.38	0.109	20.36	0.109
3	64QAM	1	0	20.23	0.105	20.44	0.111	20.08	0.102
3	64QAM	1	8	20.32	0.108	20.20	0.105	20.09	0.102
3	64QAM	1	14	20.17	0.104	20.17	0.104	20.03	0.101
3	64QAM	8	0	19.20	0.083	19.27	0.085	19.40	0.087
3	64QAM	8	4	19.44	0.088	19.17	0.083	19.23	0.084
3	64QAM	8	7	19.08	0.081	19.43	0.088	19.18	0.083
3	64QAM	15	0	19.09	0.081	19.06	0.081	19.07	0.081



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	22.27	0.169	22.43	0.175	22.40	0.174
1.4	QPSK	1	3	22.34	0.171	22.32	0.171	22.15	0.164
1.4	QPSK	1	5	22.21	0.166	22.29	0.169	22.30	0.170
1.4	QPSK	3	0	21.25	0.133	21.54	0.143	21.39	0.138
1.4	QPSK	3	1	21.23	0.133	21.31	0.135	21.45	0.140
1.4	QPSK	3	3	21.33	0.136	21.20	0.132	21.43	0.139
1.4	QPSK	6	0	21.31	0.135	21.32	0.136	21.14	0.130
1.4	16QAM	1	0	21.24	0.133	21.16	0.131	21.01	0.126
1.4	16QAM	1	3	21.22	0.132	21.32	0.136	21.21	0.132
1.4	16QAM	1	5	21.09	0.129	21.11	0.129	21.01	0.126
1.4	16QAM	3	0	20.27	0.106	20.42	0.110	20.20	0.105
1.4	16QAM	3	1	20.20	0.105	20.40	0.110	20.20	0.105
1.4	16QAM	3	3	20.24	0.106	20.22	0.105	20.37	0.109
1.4	16QAM	6	0	20.08	0.102	20.13	0.103	20.03	0.101
1.4	64QAM	1	0	20.13	0.103	20.19	0.104	20.34	0.108
1.4	64QAM	1	3	20.17	0.104	20.35	0.108	20.17	0.104
1.4	64QAM	1	5	20.27	0.106	20.12	0.103	20.06	0.101
1.4	64QAM	3	0	19.39	0.087	19.25	0.084	19.23	0.084
1.4	64QAM	3	1	19.24	0.084	19.36	0.086	19.32	0.086
1.4	64QAM	3	3	19.33	0.086	19.34	0.086	19.37	0.086
1.4	64QAM	6	0	19.35	0.086	19.24	0.084	19.28	0.085



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	20.59	0.115	20.33	0.108	20.43	0.110
15	QPSK	1	37	20.53	0.113	20.46	0.111	20.47	0.111
15	QPSK	1	74	20.34	0.108	20.30	0.107	20.36	0.109
15	QPSK	36	0	19.54	0.090	19.34	0.086	19.40	0.087
15	QPSK	36	20	19.37	0.086	19.35	0.086	19.45	0.088
15	QPSK	36	39	19.35	0.086	19.38	0.087	19.40	0.087
15	QPSK	75	0	19.25	0.084	19.20	0.083	19.30	0.085
15	16QAM	1	0	19.28	0.085	19.22	0.084	19.30	0.085
15	16QAM	1	37	19.15	0.082	19.09	0.081	19.20	0.083
15	16QAM	1	74	19.32	0.086	19.08	0.081	19.13	0.082
15	16QAM	36	0	18.41	0.069	18.44	0.070	18.48	0.070
15	16QAM	36	20	18.12	0.065	18.02	0.063	18.09	0.064
15	16QAM	36	39	18.45	0.070	18.39	0.069	18.41	0.069
15	16QAM	75	0	18.23	0.067	18.38	0.069	18.40	0.069
15	64QAM	1	0	18.23	0.067	17.99	0.063	18.10	0.065
15	64QAM	1	37	18.09	0.064	18.13	0.065	18.22	0.066
15	64QAM	1	74	18.10	0.065	18.23	0.067	18.28	0.067
15	64QAM	36	0	17.31	0.054	17.23	0.053	17.24	0.053
15	64QAM	36	20	17.19	0.052	17.13	0.052	17.23	0.053
15	64QAM	36	39	17.22	0.053	17.21	0.053	17.26	0.053
15	64QAM	75	0	17.32	0.054	17.32	0.054	17.40	0.055



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	20.41	0.110	20.39	0.109	20.47	0.111
10	QPSK	1	25	20.36	0.109	20.34	0.108	20.46	0.111
10	QPSK	1	49	20.33	0.108	20.32	0.108	20.38	0.109
10	QPSK	25	0	19.21	0.083	19.25	0.084	19.27	0.085
10	QPSK	25	12	19.36	0.086	19.41	0.087	19.46	0.088
10	QPSK	25	25	19.30	0.085	19.31	0.085	19.37	0.086
10	QPSK	50	0	19.23	0.084	19.13	0.082	19.25	0.084
10	16QAM	1	0	19.09	0.081	19.02	0.080	19.11	0.081
10	16QAM	1	25	19.04	0.080	19.06	0.081	19.16	0.082
10	16QAM	1	49	19.34	0.086	19.36	0.086	19.37	0.086
10	16QAM	25	0	18.26	0.067	18.28	0.067	18.29	0.067
10	16QAM	25	12	18.21	0.066	18.21	0.066	18.26	0.067
10	16QAM	25	25	18.38	0.069	18.42	0.070	18.47	0.070
10	16QAM	50	0	18.36	0.069	18.42	0.070	18.43	0.070
10	64QAM	1	0	18.21	0.066	18.24	0.067	18.31	0.068
10	64QAM	1	25	18.27	0.067	18.29	0.067	18.32	0.068
10	64QAM	1	49	18.25	0.067	18.26	0.067	18.28	0.067
10	64QAM	25	0	17.53	0.057	17.49	0.056	17.54	0.057
10	64QAM	25	12	17.30	0.054	17.33	0.054	17.41	0.055
10	64QAM	25	25	17.27	0.053	17.23	0.053	17.31	0.054
10	64QAM	50	0	17.26	0.053	17.35	0.054	17.37	0.055



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	20.43	0.110	20.37	0.109	20.46	0.111
5	QPSK	1	12	20.18	0.104	20.18	0.104	20.26	0.106
5	QPSK	1	24	20.09	0.102	20.16	0.104	20.18	0.104
5	QPSK	12	0	19.22	0.084	19.22	0.084	19.33	0.086
5	QPSK	12	7	19.28	0.085	19.35	0.086	19.37	0.086
5	QPSK	12	13	19.24	0.084	19.25	0.084	19.32	0.086
5	QPSK	25	0	19.36	0.086	19.34	0.086	19.37	0.086
5	16QAM	1	0	19.12	0.082	19.15	0.082	19.16	0.082
5	16QAM	1	12	19.13	0.082	19.12	0.082	19.22	0.084
5	16QAM	1	24	19.21	0.083	19.29	0.085	19.33	0.086
5	16QAM	12	0	18.42	0.070	18.36	0.069	18.48	0.070
5	16QAM	12	7	18.16	0.065	18.22	0.066	18.23	0.067
5	16QAM	12	13	18.11	0.065	18.10	0.065	18.15	0.065
5	16QAM	25	0	18.40	0.069	18.36	0.069	18.46	0.070
5	64QAM	1	0	18.17	0.066	18.17	0.066	18.20	0.066
5	64QAM	1	12	18.12	0.065	18.07	0.064	18.18	0.066
5	64QAM	1	24	18.30	0.068	18.23	0.067	18.32	0.068
5	64QAM	12	0	17.27	0.053	17.29	0.054	17.37	0.055
5	64QAM	12	7	17.17	0.052	17.20	0.052	17.25	0.053
5	64QAM	12	13	17.21	0.053	17.22	0.053	17.26	0.053
5	64QAM	25	0	17.24	0.053	17.22	0.053	17.27	0.053



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26805		26915		27025	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.36	0.109	20.47	0.111	20.48	0.112
3	QPSK	1	8	20.13	0.103	20.21	0.105	20.25	0.106
3	QPSK	1	14	20.48	0.112	20.49	0.112	20.51	0.112
3	QPSK	8	0	19.26	0.084	19.29	0.085	19.37	0.086
3	QPSK	8	4	19.26	0.084	19.26	0.084	19.33	0.086
3	QPSK	8	7	19.36	0.086	19.33	0.086	19.45	0.088
3	QPSK	15	0	19.34	0.086	19.31	0.085	19.41	0.087
3	16QAM	1	0	19.12	0.082	19.03	0.080	19.13	0.082
3	16QAM	1	8	19.05	0.080	19.00	0.079	19.09	0.081
3	16QAM	1	14	19.29	0.085	19.28	0.085	19.34	0.086
3	16QAM	8	0	18.29	0.067	18.39	0.069	18.41	0.069
3	16QAM	8	4	18.27	0.067	18.20	0.066	18.31	0.068
3	16QAM	8	7	18.14	0.065	18.10	0.065	18.16	0.065
3	16QAM	15	0	18.29	0.067	18.30	0.068	18.32	0.068
3	64QAM	1	0	18.05	0.064	18.10	0.065	18.17	0.066
3	64QAM	1	8	18.12	0.065	18.18	0.066	18.24	0.067
3	64QAM	1	14	18.24	0.067	18.31	0.068	18.34	0.068
3	64QAM	8	0	17.16	0.052	17.15	0.052	17.27	0.053
3	64QAM	8	4	17.27	0.053	17.32	0.054	17.35	0.054
3	64QAM	8	7	17.07	0.051	17.12	0.052	17.17	0.052
3	64QAM	15	0	17.20	0.052	17.24	0.053	17.32	0.054



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26797		26915		27033	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.28	0.107	20.29	0.107	20.32	0.108
1.4	QPSK	1	3	20.42	0.110	20.51	0.112	20.52	0.113
1.4	QPSK	1	5	20.46	0.111	20.43	0.110	20.47	0.111
1.4	QPSK	3	0	19.17	0.083	19.23	0.084	19.26	0.084
1.4	QPSK	3	1	19.46	0.088	19.49	0.089	19.56	0.090
1.4	QPSK	3	3	19.19	0.083	19.11	0.081	19.23	0.084
1.4	QPSK	6	0	19.21	0.083	19.17	0.083	19.27	0.085
1.4	16QAM	1	0	19.11	0.081	19.13	0.082	19.17	0.083
1.4	16QAM	1	3	19.15	0.082	19.13	0.082	19.19	0.083
1.4	16QAM	1	5	19.19	0.083	19.13	0.082	19.21	0.083
1.4	16QAM	3	0	18.08	0.064	18.16	0.065	18.20	0.066
1.4	16QAM	3	1	18.16	0.065	18.14	0.065	18.21	0.066
1.4	16QAM	3	3	18.22	0.066	18.18	0.066	18.28	0.067
1.4	16QAM	6	0	18.21	0.066	18.23	0.067	18.29	0.067
1.4	64QAM	1	0	18.13	0.065	18.11	0.065	18.18	0.066
1.4	64QAM	1	3	18.04	0.064	18.04	0.064	18.15	0.065
1.4	64QAM	1	5	18.04	0.064	18.02	0.063	18.05	0.064
1.4	64QAM	3	0	17.38	0.055	17.38	0.055	17.47	0.056
1.4	64QAM	3	1	17.35	0.054	17.36	0.054	17.40	0.055
1.4	64QAM	3	3	17.39	0.055	17.43	0.055	17.44	0.055
1.4	64QAM	6	0	17.43	0.055	17.34	0.054	17.44	0.055



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.03	0.253	24.17	0.261	24.04	0.254
20	QPSK	1	49	23.92	0.247	24.05	0.254	24.02	0.252
20	QPSK	1	99	23.99	0.251	24.02	0.252	24.00	0.251
20	QPSK	50	0	23.08	0.203	23.15	0.207	23.10	0.204
20	QPSK	50	24	22.89	0.195	23.02	0.200	23.05	0.202
20	QPSK	50	50	22.99	0.199	23.04	0.201	23.02	0.200
20	QPSK	100	0	22.99	0.199	22.93	0.196	22.94	0.197
20	16QAM	1	0	22.80	0.191	22.93	0.196	23.12	0.205
20	16QAM	1	49	22.96	0.198	22.84	0.192	22.71	0.187
20	16QAM	1	99	22.71	0.187	23.07	0.203	22.82	0.191
20	16QAM	50	0	21.84	0.153	22.19	0.166	21.95	0.157
20	16QAM	50	24	21.93	0.156	21.99	0.158	22.05	0.160
20	16QAM	50	50	22.17	0.165	21.81	0.152	21.98	0.158
20	16QAM	100	0	21.90	0.155	21.97	0.157	22.09	0.162
20	64QAM	1	0	21.81	0.152	21.90	0.155	21.83	0.152
20	64QAM	1	49	21.99	0.158	22.10	0.162	21.69	0.148
20	64QAM	1	99	22.02	0.159	21.72	0.149	21.74	0.149
20	64QAM	50	0	20.78	0.120	21.25	0.133	21.12	0.129
20	64QAM	50	24	20.90	0.123	20.95	0.124	20.97	0.125
20	64QAM	50	50	21.14	0.130	20.97	0.125	21.05	0.127
20	64QAM	100	0	20.97	0.125	21.04	0.127	20.81	0.121



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.93	0.247	24.14	0.259	23.92	0.247
15	QPSK	1	37	23.88	0.244	23.92	0.247	23.90	0.245
15	QPSK	1	74	23.93	0.247	23.89	0.245	23.91	0.246
15	QPSK	36	0	22.85	0.193	22.94	0.197	23.05	0.202
15	QPSK	36	20	22.77	0.189	22.87	0.194	22.90	0.195
15	QPSK	36	39	22.90	0.195	23.13	0.206	22.88	0.194
15	QPSK	75	0	22.90	0.195	22.89	0.195	22.93	0.196
15	16QAM	1	0	22.74	0.188	22.84	0.192	23.07	0.203
15	16QAM	1	37	22.91	0.195	22.72	0.187	22.66	0.185
15	16QAM	1	74	22.66	0.185	22.98	0.199	22.82	0.191
15	16QAM	36	0	21.71	0.148	22.14	0.164	21.82	0.152
15	16QAM	36	20	21.90	0.155	21.96	0.157	21.97	0.157
15	16QAM	36	39	22.05	0.160	21.77	0.150	21.89	0.155
15	16QAM	75	0	21.90	0.155	21.97	0.157	21.96	0.157
15	64QAM	1	0	21.75	0.150	21.90	0.155	21.79	0.151
15	64QAM	1	37	21.90	0.155	21.95	0.157	21.60	0.145
15	64QAM	1	74	21.95	0.157	21.67	0.147	21.64	0.146
15	64QAM	36	0	20.70	0.117	21.14	0.130	21.06	0.128
15	64QAM	36	20	20.89	0.123	20.90	0.123	20.95	0.124
15	64QAM	36	39	21.06	0.128	20.86	0.122	21.02	0.126
15	64QAM	75	0	20.96	0.125	20.99	0.126	20.74	0.119



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.96	0.249	24.09	0.256	23.95	0.248
10	QPSK	1	25	23.82	0.241	24.00	0.251	23.88	0.244
10	QPSK	1	49	23.90	0.245	24.01	0.252	23.92	0.247
10	QPSK	25	0	22.76	0.189	22.90	0.195	23.05	0.202
10	QPSK	25	12	22.82	0.191	22.91	0.195	22.98	0.199
10	QPSK	25	25	22.91	0.195	23.08	0.203	22.90	0.195
10	QPSK	50	0	22.87	0.194	22.90	0.195	22.85	0.193
10	16QAM	1	0	22.71	0.187	22.89	0.195	23.06	0.202
10	16QAM	1	25	22.91	0.195	22.71	0.187	22.68	0.185
10	16QAM	1	49	22.62	0.183	22.92	0.196	22.69	0.186
10	16QAM	25	0	21.75	0.150	22.10	0.162	21.84	0.153
10	16QAM	25	12	21.93	0.156	21.87	0.154	21.96	0.157
10	16QAM	25	25	22.11	0.163	21.79	0.151	21.85	0.153
10	16QAM	50	0	21.85	0.153	21.90	0.155	22.09	0.162
10	64QAM	1	0	21.71	0.148	21.86	0.153	21.69	0.148
10	64QAM	1	25	21.86	0.153	22.02	0.159	21.56	0.143
10	64QAM	1	49	21.91	0.155	21.68	0.147	21.59	0.144
10	64QAM	25	0	20.75	0.119	21.12	0.129	21.07	0.128
10	64QAM	25	12	20.90	0.123	20.88	0.122	20.87	0.122
10	64QAM	25	25	21.05	0.127	20.90	0.123	21.00	0.126
10	64QAM	50	0	20.84	0.121	20.93	0.124	20.80	0.120



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.95	0.248	24.15	0.260	23.93	0.247
5	QPSK	1	12	23.91	0.246	23.99	0.251	23.94	0.248
5	QPSK	1	24	23.85	0.243	23.87	0.244	23.92	0.247
5	QPSK	12	0	22.84	0.192	22.95	0.197	23.02	0.200
5	QPSK	12	7	22.73	0.187	22.86	0.193	22.90	0.195
5	QPSK	12	13	22.92	0.196	23.12	0.205	22.92	0.196
5	QPSK	25	0	22.89	0.195	22.81	0.191	22.80	0.191
5	16QAM	1	0	22.68	0.185	22.92	0.196	23.00	0.200
5	16QAM	1	12	22.94	0.197	22.70	0.186	22.65	0.184
5	16QAM	1	24	22.71	0.187	23.06	0.202	22.76	0.189
5	16QAM	12	0	21.77	0.150	22.19	0.166	21.87	0.154
5	16QAM	12	7	21.84	0.153	21.93	0.156	21.98	0.158
5	16QAM	12	13	22.07	0.161	21.73	0.149	21.83	0.152
5	16QAM	25	0	21.85	0.153	21.96	0.157	22.04	0.160
5	64QAM	1	0	21.75	0.150	21.84	0.153	21.83	0.152
5	64QAM	1	12	21.99	0.158	22.09	0.162	21.63	0.146
5	64QAM	1	24	21.97	0.157	21.71	0.148	21.60	0.145
5	64QAM	12	0	20.78	0.120	21.16	0.131	21.11	0.129
5	64QAM	12	7	20.79	0.120	20.87	0.122	20.89	0.123
5	64QAM	12	13	21.00	0.126	20.96	0.125	20.94	0.124
5	64QAM	25	0	20.97	0.125	20.95	0.124	20.68	0.117



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	22.94	0.197	23.08	0.203	23.02	0.200
20	QPSK	1	49	22.82	0.191	22.79	0.190	22.77	0.189
20	QPSK	1	99	22.93	0.196	22.99	0.199	22.89	0.195
20	QPSK	50	0	22.05	0.160	22.11	0.163	21.97	0.157
20	QPSK	50	24	21.88	0.154	21.79	0.151	21.80	0.151
20	QPSK	50	50	21.76	0.150	21.85	0.153	21.86	0.153
20	QPSK	100	0	21.83	0.152	21.81	0.152	21.75	0.150
20	16QAM	1	0	21.75	0.150	21.87	0.154	21.80	0.151
20	16QAM	1	49	21.80	0.151	21.76	0.150	21.60	0.145
20	16QAM	1	99	21.73	0.149	21.92	0.156	21.76	0.150
20	16QAM	50	0	20.85	0.122	21.00	0.126	20.91	0.123
20	16QAM	50	24	20.72	0.118	20.66	0.116	20.72	0.118
20	16QAM	50	50	20.81	0.121	20.83	0.121	20.66	0.116
20	16QAM	100	0	20.80	0.120	20.74	0.119	20.66	0.116
20	64QAM	1	0	20.82	0.121	20.74	0.119	20.73	0.118
20	64QAM	1	49	20.89	0.123	20.93	0.124	20.77	0.119
20	64QAM	1	99	20.75	0.119	20.67	0.117	20.65	0.116
20	64QAM	50	0	19.92	0.098	19.85	0.097	20.04	0.101
20	64QAM	50	24	19.66	0.092	19.66	0.092	19.80	0.095
20	64QAM	50	50	19.78	0.095	20.02	0.100	19.86	0.097
20	64QAM	100	0	19.86	0.097	19.78	0.095	19.85	0.097



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	22.97	0.198	23.03	0.201	23.01	0.200
15	QPSK	1	37	22.94	0.197	22.84	0.192	22.94	0.197
15	QPSK	1	74	22.89	0.195	22.82	0.191	22.86	0.193
15	QPSK	36	0	21.79	0.151	21.84	0.153	21.86	0.153
15	QPSK	36	20	21.73	0.149	21.90	0.155	21.99	0.158
15	QPSK	36	39	21.90	0.155	21.89	0.155	21.98	0.158
15	QPSK	75	0	21.90	0.155	21.93	0.156	22.04	0.160
15	16QAM	1	0	21.86	0.153	21.86	0.153	21.69	0.148
15	16QAM	1	37	21.54	0.143	21.68	0.147	21.72	0.149
15	16QAM	1	74	21.50	0.141	21.64	0.146	21.82	0.152
15	16QAM	36	0	20.76	0.119	20.82	0.121	20.91	0.123
15	16QAM	36	20	20.62	0.115	20.68	0.117	20.92	0.124
15	16QAM	36	39	20.71	0.118	20.81	0.121	20.62	0.115
15	16QAM	75	0	20.91	0.123	20.80	0.120	20.81	0.121
15	64QAM	1	0	20.61	0.115	20.82	0.121	20.78	0.120
15	64QAM	1	37	20.67	0.117	20.54	0.113	20.70	0.117
15	64QAM	1	74	20.77	0.119	20.66	0.116	20.80	0.120
15	64QAM	36	0	19.84	0.096	19.97	0.099	19.81	0.096
15	64QAM	36	20	19.92	0.098	19.66	0.092	19.93	0.098
15	64QAM	36	39	19.69	0.093	19.73	0.094	19.88	0.097
15	64QAM	75	0	19.71	0.094	19.98	0.100	19.85	0.097



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	22.96	0.198	23.04	0.201	23.02	0.200
10	QPSK	1	25	22.75	0.188	22.90	0.195	23.03	0.201
10	QPSK	1	49	22.82	0.191	23.03	0.201	22.94	0.197
10	QPSK	25	0	21.85	0.153	21.83	0.152	21.98	0.158
10	QPSK	25	12	21.76	0.150	21.83	0.152	21.98	0.158
10	QPSK	25	25	21.69	0.148	21.92	0.156	21.88	0.154
10	QPSK	50	0	21.94	0.156	22.07	0.161	22.01	0.159
10	16QAM	1	0	21.88	0.154	21.79	0.151	21.97	0.157
10	16QAM	1	25	21.73	0.149	21.78	0.151	21.80	0.151
10	16QAM	1	49	21.75	0.150	21.92	0.156	21.86	0.153
10	16QAM	25	0	20.77	0.119	20.87	0.122	21.03	0.127
10	16QAM	25	12	20.67	0.117	20.72	0.118	20.65	0.116
10	16QAM	25	25	20.82	0.121	20.83	0.121	20.98	0.125
10	16QAM	50	0	20.63	0.116	20.80	0.120	20.79	0.120
10	64QAM	1	0	20.77	0.119	20.86	0.122	20.78	0.120
10	64QAM	1	25	20.67	0.117	20.91	0.123	20.70	0.117
10	64QAM	1	49	20.63	0.116	20.62	0.115	20.91	0.123
10	64QAM	25	0	19.95	0.099	19.94	0.099	20.06	0.101
10	64QAM	25	12	19.86	0.097	19.76	0.095	19.93	0.098
10	64QAM	25	25	19.79	0.095	19.92	0.098	19.94	0.099
10	64QAM	50	0	19.56	0.090	19.74	0.094	19.63	0.092



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	22.99	0.199	23.05	0.202	23.01	0.200
5	QPSK	1	12	23.01	0.200	23.03	0.201	22.89	0.195
5	QPSK	1	24	22.90	0.195	22.87	0.194	22.78	0.190
5	QPSK	12	0	21.73	0.149	21.91	0.155	21.98	0.158
5	QPSK	12	7	21.89	0.155	21.66	0.147	21.80	0.151
5	QPSK	12	13	21.59	0.144	21.91	0.155	21.62	0.145
5	QPSK	25	0	21.81	0.152	21.98	0.158	21.83	0.152
5	16QAM	1	0	21.76	0.150	21.94	0.156	21.79	0.151
5	16QAM	1	12	21.59	0.144	21.78	0.151	21.71	0.148
5	16QAM	1	24	21.59	0.144	21.92	0.156	21.68	0.147
5	16QAM	12	0	20.79	0.120	20.72	0.118	20.79	0.120
5	16QAM	12	7	20.89	0.123	20.82	0.121	20.89	0.123
5	16QAM	12	13	20.99	0.126	20.76	0.119	20.69	0.117
5	16QAM	25	0	21.00	0.126	20.68	0.117	20.77	0.119
5	64QAM	1	0	20.63	0.116	20.71	0.118	20.66	0.116
5	64QAM	1	12	20.79	0.120	20.60	0.115	20.83	0.121
5	64QAM	1	24	20.71	0.118	20.75	0.119	20.68	0.117
5	64QAM	12	0	19.76	0.095	19.94	0.099	19.94	0.099
5	64QAM	12	7	19.74	0.094	19.97	0.099	19.78	0.095
5	64QAM	12	13	19.78	0.095	19.92	0.098	19.68	0.093
5	64QAM	25	0	19.56	0.090	19.70	0.093	19.54	0.090



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	22.89	0.195	23.01	0.200	22.94	0.197
3	QPSK	1	8	22.92	0.196	22.87	0.194	22.90	0.195
3	QPSK	1	14	22.91	0.195	22.70	0.186	22.77	0.189
3	QPSK	8	0	22.03	0.160	22.04	0.160	21.77	0.150
3	QPSK	8	4	21.82	0.152	21.74	0.149	21.70	0.148
3	QPSK	8	7	21.74	0.149	21.72	0.149	21.81	0.152
3	QPSK	15	0	21.67	0.147	21.86	0.153	21.68	0.147
3	16QAM	1	0	21.63	0.146	21.70	0.148	21.94	0.156
3	16QAM	1	8	21.76	0.150	21.96	0.157	21.72	0.149
3	16QAM	1	14	21.59	0.144	21.67	0.147	21.77	0.150
3	16QAM	8	0	20.82	0.121	20.93	0.124	20.91	0.123
3	16QAM	8	4	20.71	0.118	20.92	0.124	20.80	0.120
3	16QAM	8	7	20.71	0.118	20.78	0.120	20.65	0.116
3	16QAM	15	0	20.89	0.123	20.69	0.117	20.73	0.118
3	64QAM	1	0	20.84	0.121	20.62	0.115	20.85	0.122
3	64QAM	1	8	20.63	0.116	20.66	0.116	20.85	0.122
3	64QAM	1	14	20.51	0.112	20.83	0.121	20.69	0.117
3	64QAM	8	0	19.84	0.096	19.78	0.095	20.00	0.100
3	64QAM	8	4	19.96	0.099	19.86	0.097	19.83	0.096
3	64QAM	8	7	19.62	0.092	19.69	0.093	20.02	0.100
3	64QAM	15	0	19.67	0.093	19.69	0.093	19.60	0.091



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	22.88	0.194	23.04	0.201	22.85	0.193
1.4	QPSK	1	3	22.73	0.187	22.77	0.189	22.88	0.194
1.4	QPSK	1	5	22.75	0.188	22.83	0.192	23.02	0.200
1.4	QPSK	3	0	21.79	0.151	21.99	0.158	21.71	0.148
1.4	QPSK	3	1	21.81	0.152	21.74	0.149	21.81	0.152
1.4	QPSK	3	3	21.84	0.153	21.78	0.151	21.95	0.157
1.4	QPSK	6	0	21.82	0.152	21.79	0.151	21.87	0.154
1.4	16QAM	1	0	21.75	0.150	22.00	0.158	21.73	0.149
1.4	16QAM	1	3	21.78	0.151	21.95	0.157	21.73	0.149
1.4	16QAM	1	5	21.75	0.150	21.81	0.152	21.76	0.150
1.4	16QAM	3	0	20.80	0.120	20.90	0.123	20.95	0.124
1.4	16QAM	3	1	20.71	0.118	20.79	0.120	20.81	0.121
1.4	16QAM	3	3	20.72	0.118	20.93	0.124	20.79	0.120
1.4	16QAM	6	0	20.85	0.122	20.93	0.124	20.75	0.119
1.4	64QAM	1	0	20.69	0.117	20.95	0.124	20.80	0.120
1.4	64QAM	1	3	20.66	0.116	20.87	0.122	20.67	0.117
1.4	64QAM	1	5	20.81	0.121	20.82	0.121	20.75	0.119
1.4	64QAM	3	0	19.85	0.097	20.02	0.100	19.89	0.097
1.4	64QAM	3	1	19.79	0.095	19.73	0.094	19.92	0.098
1.4	64QAM	3	3	19.95	0.099	19.69	0.093	19.82	0.096
1.4	64QAM	6	0	19.82	0.096	19.86	0.097	19.61	0.091



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	19.59	0.091	19.68	0.093	19.63	0.092
20	QPSK	1	49	19.61	0.091	19.47	0.089	19.44	0.088
20	QPSK	1	99	19.52	0.090	19.44	0.088	19.55	0.090
20	QPSK	50	0	18.48	0.070	18.74	0.075	18.60	0.072
20	QPSK	50	24	18.49	0.071	18.51	0.071	18.45	0.070
20	QPSK	50	50	18.37	0.069	18.52	0.071	18.51	0.071
20	QPSK	100	0	18.49	0.071	18.35	0.068	18.66	0.073
20	16QAM	1	0	18.54	0.071	18.47	0.070	18.36	0.069
20	16QAM	1	49	18.38	0.069	18.32	0.068	18.41	0.069
20	16QAM	1	99	18.27	0.067	18.22	0.066	18.38	0.069
20	16QAM	50	0	17.49	0.056	17.73	0.059	17.44	0.055
20	16QAM	50	24	17.59	0.057	17.44	0.055	17.54	0.057
20	16QAM	50	50	17.38	0.055	17.42	0.055	17.39	0.055
20	16QAM	100	0	17.32	0.054	17.31	0.054	17.53	0.057
20	64QAM	1	0	17.39	0.055	17.54	0.057	17.47	0.056
20	64QAM	1	49	17.26	0.053	17.52	0.056	17.29	0.054
20	64QAM	1	99	17.54	0.057	17.30	0.054	17.47	0.056
20	64QAM	50	0	16.57	0.045	16.39	0.044	16.58	0.045
20	64QAM	50	24	16.40	0.044	16.62	0.046	16.45	0.044
20	64QAM	50	50	16.33	0.043	16.66	0.046	16.33	0.043
20	64QAM	100	0	16.29	0.043	16.33	0.043	16.43	0.044



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	19.42	0.087	19.63	0.092	19.58	0.091
15	QPSK	1	37	19.45	0.088	19.46	0.088	19.61	0.091
15	QPSK	1	74	19.48	0.089	19.53	0.090	19.38	0.087
15	QPSK	36	0	18.51	0.071	18.73	0.075	18.63	0.073
15	QPSK	36	20	18.43	0.070	18.45	0.070	18.38	0.069
15	QPSK	36	39	18.38	0.069	18.59	0.072	18.54	0.071
15	QPSK	75	0	18.36	0.069	18.37	0.069	18.36	0.069
15	16QAM	1	0	18.45	0.070	18.42	0.070	18.45	0.070
15	16QAM	1	37	18.42	0.070	18.60	0.072	18.42	0.070
15	16QAM	1	74	18.39	0.069	18.33	0.068	18.40	0.069
15	16QAM	36	0	17.35	0.054	17.45	0.056	17.34	0.054
15	16QAM	36	20	17.39	0.055	17.30	0.054	17.20	0.052
15	16QAM	36	39	17.48	0.056	17.35	0.054	17.40	0.055
15	16QAM	75	0	17.64	0.058	17.60	0.058	17.50	0.056
15	64QAM	1	0	17.31	0.054	17.56	0.057	17.41	0.055
15	64QAM	1	37	17.43	0.055	17.44	0.055	17.27	0.053
15	64QAM	1	74	17.41	0.055	17.49	0.056	17.55	0.057
15	64QAM	36	0	16.52	0.045	16.54	0.045	16.62	0.046
15	64QAM	36	20	16.39	0.044	16.62	0.046	16.40	0.044
15	64QAM	36	39	16.34	0.043	16.44	0.044	16.46	0.044
15	64QAM	75	0	16.47	0.044	16.24	0.042	16.27	0.042



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	19.64	0.092	19.66	0.092	19.59	0.091
10	QPSK	1	25	19.41	0.087	19.61	0.091	19.55	0.090
10	QPSK	1	49	19.51	0.089	19.45	0.088	19.38	0.087
10	QPSK	25	0	18.44	0.070	18.74	0.075	18.60	0.072
10	QPSK	25	12	18.46	0.070	18.41	0.069	18.39	0.069
10	QPSK	25	25	18.43	0.070	18.37	0.069	18.41	0.069
10	QPSK	50	0	18.52	0.071	18.59	0.072	18.63	0.073
10	16QAM	1	0	18.37	0.069	18.62	0.073	18.47	0.070
10	16QAM	1	25	18.41	0.069	18.25	0.067	18.39	0.069
10	16QAM	1	49	18.27	0.067	18.44	0.070	18.46	0.070
10	16QAM	25	0	17.46	0.056	17.66	0.058	17.50	0.056
10	16QAM	25	12	17.45	0.056	17.57	0.057	17.43	0.055
10	16QAM	25	25	17.53	0.057	17.28	0.053	17.49	0.056
10	16QAM	50	0	17.64	0.058	17.48	0.056	17.45	0.056
10	64QAM	1	0	17.59	0.057	17.65	0.058	17.53	0.057
10	64QAM	1	25	17.40	0.055	17.53	0.057	17.43	0.055
10	64QAM	1	49	17.42	0.055	17.36	0.054	17.48	0.056
10	64QAM	25	0	16.48	0.044	16.75	0.047	16.70	0.047
10	64QAM	25	12	16.61	0.046	16.38	0.043	16.48	0.044
10	64QAM	25	25	16.39	0.044	16.66	0.046	16.59	0.046
10	64QAM	50	0	16.41	0.044	16.34	0.043	16.45	0.044



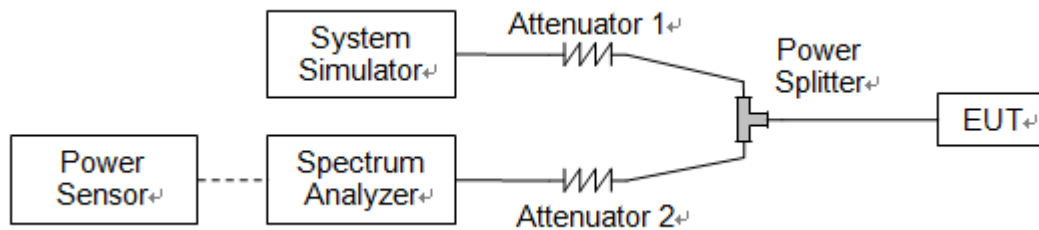
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.42	0.087	19.64	0.092	19.52	0.090
5	QPSK	1	12	19.54	0.090	19.53	0.090	19.51	0.089
5	QPSK	1	24	19.58	0.091	19.42	0.087	19.41	0.087
5	QPSK	12	0	18.68	0.074	18.69	0.074	18.59	0.072
5	QPSK	12	7	18.61	0.073	18.57	0.072	18.58	0.072
5	QPSK	12	13	18.54	0.071	18.57	0.072	18.61	0.073
5	QPSK	25	0	18.30	0.068	18.42	0.070	18.44	0.070
5	16QAM	1	0	18.40	0.069	18.44	0.070	18.48	0.070
5	16QAM	1	12	18.17	0.066	18.30	0.068	18.42	0.070
5	16QAM	1	24	18.39	0.069	18.28	0.067	18.53	0.071
5	16QAM	12	0	17.53	0.057	17.66	0.058	17.64	0.058
5	16QAM	12	7	17.53	0.057	17.57	0.057	17.58	0.057
5	16QAM	12	13	17.51	0.056	17.31	0.054	17.65	0.058
5	16QAM	25	0	17.49	0.056	17.58	0.057	17.37	0.055
5	64QAM	1	0	17.57	0.057	17.33	0.054	17.22	0.053
5	64QAM	1	12	17.38	0.055	17.22	0.053	17.33	0.054
5	64QAM	1	24	17.50	0.056	17.35	0.054	17.58	0.057
5	64QAM	12	0	16.49	0.045	16.58	0.045	16.47	0.044
5	64QAM	12	7	16.33	0.043	16.45	0.044	16.38	0.043
5	64QAM	12	13	16.33	0.043	16.50	0.045	16.44	0.044
5	64QAM	25	0	16.46	0.044	16.63	0.046	16.39	0.044

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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

2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.28
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.32
	Mid	QPSK	1.10	1.33
	Mid	16QAM	1.09	1.23
	Mid	64QAM	1.10	1.32
	High	QPSK	1.10	1.29
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.32
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.71	3.00
	Low	64QAM	2.71	2.98
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.71	3.00
	High	QPSK	2.70	3.00
	High	16QAM	2.70	2.98
	High	64QAM	2.71	3.00
5	Low	QPSK	4.50	5.05
	Low	16QAM	4.50	5.00
	Low	64QAM	4.50	5.02
	Mid	QPSK	4.51	5.06
	Mid	16QAM	4.50	5.02
	Mid	64QAM	4.49	5.01
	High	QPSK	4.50	5.03
	High	16QAM	4.50	5.00
	High	64QAM	4.50	4.99
10	Low	QPSK	8.99	10.00
	Low	16QAM	8.97	9.82
	Low	64QAM	8.97	9.84
	Mid	QPSK	8.99	9.92
	Mid	16QAM	8.94	9.83
	Mid	64QAM	8.97	9.85
	High	QPSK	8.94	9.88
	High	16QAM	8.93	9.71
	High	64QAM	8.95	9.80



15	Low	QPSK	13.47	14.72
	Low	16QAM	13.46	14.79
	Low	64QAM	13.46	14.73
	Mid	QPSK	13.43	14.64
	Mid	16QAM	13.42	14.74
	Mid	64QAM	13.43	14.67
	High	QPSK	13.41	14.56
	High	16QAM	13.40	14.72
	High	64QAM	13.39	14.47
20	Low	QPSK	17.92	19.57
	Low	16QAM	17.95	19.62
	Low	64QAM	17.94	19.59
	Mid	QPSK	17.88	19.33
	Mid	16QAM	17.89	19.42
	Mid	64QAM	17.88	19.52
	High	QPSK	17.87	19.29
	High	16QAM	17.88	19.28
	High	64QAM	17.88	19.37



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.32
	Low	16QAM	1.10	1.31
	Low	64QAM	1.10	1.33
	Mid	QPSK	1.10	1.30
	Mid	16QAM	1.10	1.30
	Mid	64QAM	1.10	1.33
	High	QPSK	1.10	1.29
	High	16QAM	1.10	1.31
	High	64QAM	1.10	1.33
3	Low	QPSK	2.70	3.02
	Low	16QAM	2.70	3.01
	Low	64QAM	2.71	2.99
	Mid	QPSK	2.70	3.02
	Mid	16QAM	2.70	2.98
	Mid	64QAM	2.71	3.00
	High	QPSK	2.70	3.03
	High	16QAM	2.70	3.00
	High	64QAM	2.71	3.02
5	Low	QPSK	4.51	5.04
	Low	16QAM	4.50	5.02
	Low	64QAM	4.51	5.02
	Mid	QPSK	4.50	5.05
	Mid	16QAM	4.50	5.01
	Mid	64QAM	4.50	5.01
	High	QPSK	4.51	5.04
	High	16QAM	4.50	5.01
	High	64QAM	4.50	5.03
10	Low	QPSK	8.99	9.96
	Low	16QAM	8.95	9.83
	Low	64QAM	8.98	9.84
	Mid	QPSK	8.97	9.90
	Mid	16QAM	8.95	9.87
	Mid	64QAM	8.97	9.85
	High	QPSK	8.97	9.98
	High	16QAM	8.95	9.83
	High	64QAM	8.97	9.89



15	Low	QPSK	13.43	14.77
	Low	16QAM	13.45	14.63
	Low	64QAM	13.45	14.57
	Mid	QPSK	13.43	14.72
	Mid	16QAM	13.43	14.65
	Mid	64QAM	13.42	14.58
	High	QPSK	13.47	14.66
	High	16QAM	13.45	14.82
	High	64QAM	13.44	14.67
20	Low	QPSK	17.91	19.46
	Low	16QAM	17.92	19.57
	Low	64QAM	17.92	19.54
	Mid	QPSK	17.86	19.50
	Mid	16QAM	17.88	19.45
	Mid	64QAM	17.87	19.44
	High	QPSK	17.86	19.55
	High	16QAM	17.91	19.43
	High	64QAM	17.90	19.50



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.27
	Low	16QAM	1.10	1.29
	Low	64QAM	1.10	1.31
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.28
	Mid	64QAM	1.10	1.28
	High	QPSK	1.10	1.29
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.29
3	Low	QPSK	2.70	2.97
	Low	16QAM	2.70	3.00
	Low	64QAM	2.70	2.97
	Mid	QPSK	2.70	2.98
	Mid	16QAM	2.70	2.99
	Mid	64QAM	2.70	2.97
	High	QPSK	2.70	2.97
	High	16QAM	2.70	2.98
	High	64QAM	2.71	2.97
5	Low	QPSK	4.50	5.03
	Low	16QAM	4.50	4.98
	Low	64QAM	4.50	5.01
	Mid	QPSK	4.50	5.01
	Mid	16QAM	4.50	5.02
	Mid	64QAM	4.50	4.98
	High	QPSK	4.51	5.03
	High	16QAM	4.50	5.03
	High	64QAM	4.51	4.99
10	Low	QPSK	8.99	9.84
	Low	16QAM	8.95	9.79
	Low	64QAM	8.97	9.84
	Mid	QPSK	8.98	9.83
	Mid	16QAM	8.96	9.82
	Mid	64QAM	8.97	9.86
	High	QPSK	8.96	9.77
	High	16QAM	8.95	9.77
	High	64QAM	8.96	9.83



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.28
	Low	16QAM	1.10	1.28
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.29
	Mid	64QAM	1.10	1.29
	High	QPSK	1.10	1.28
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.28
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	2.98
	Low	64QAM	2.71	2.99
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.70	2.99
	Mid	64QAM	2.71	2.98
	High	QPSK	2.70	2.98
	High	16QAM	2.70	2.98
	High	64QAM	2.70	2.99
5	Low	QPSK	4.51	5.02
	Low	16QAM	4.50	4.98
	Low	64QAM	4.50	5.03
	Mid	QPSK	4.50	5.00
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.50	4.98
	High	QPSK	4.51	5.00
	High	16QAM	4.50	5.00
	High	64QAM	4.52	5.01
10	Low	QPSK	8.99	9.84
	Low	16QAM	8.96	9.80
	Low	64QAM	8.97	9.83
	Mid	QPSK	8.97	9.80
	Mid	16QAM	8.95	9.82
	Mid	64QAM	8.97	9.87
	High	QPSK	8.96	9.90
	High	16QAM	8.94	9.75
	High	64QAM	8.95	9.81



LTE Band 13				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	5.01
	Low	16QAM	4.50	4.97
	Low	64QAM	4.49	4.98
	Mid	QPSK	4.50	5.03
	Mid	16QAM	4.51	5.02
	Mid	64QAM	4.52	4.98
	High	QPSK	4.51	5.05
	High	16QAM	4.50	5.03
	High	64QAM	4.49	4.75
10	Mid	QPSK	8.96	9.76
	Mid	16QAM	8.94	9.75
	Mid	64QAM	8.95	9.82



LTE Band 25				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.31
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.29
	Mid	QPSK	1.10	1.29
	Mid	16QAM	1.10	1.29
	Mid	64QAM	1.10	1.28
	High	QPSK	1.10	1.29
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.31
3	Low	QPSK	2.71	2.97
	Low	16QAM	2.70	2.99
	Low	64QAM	2.70	2.97
	Mid	QPSK	2.70	2.98
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.71	2.98
	High	QPSK	2.70	2.98
	High	16QAM	2.70	2.99
	High	64QAM	2.71	2.97
5	Low	QPSK	4.50	5.05
	Low	16QAM	4.50	5.02
	Low	64QAM	4.52	5.00
	Mid	QPSK	4.51	4.98
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.51	5.02
	High	QPSK	4.49	5.03
	High	16QAM	4.50	4.98
	High	64QAM	4.51	5.02
10	Low	QPSK	9.00	9.82
	Low	16QAM	8.95	9.82
	Low	64QAM	8.96	9.87
	Mid	QPSK	8.97	9.90
	Mid	16QAM	8.95	9.81
	Mid	64QAM	8.98	9.84
	High	QPSK	8.97	9.82
	High	16QAM	8.93	9.73
	High	64QAM	8.94	9.83



15	Low	QPSK	13.43	14.71
	Low	16QAM	13.44	14.74
	Low	64QAM	13.44	14.73
	Mid	QPSK	13.46	14.64
	Mid	16QAM	13.43	14.61
	Mid	64QAM	13.43	14.67
	High	QPSK	13.37	14.49
	High	16QAM	13.35	14.52
	High	64QAM	13.33	14.66
20	Low	QPSK	17.93	19.43
	Low	16QAM	17.93	19.52
	Low	64QAM	17.93	19.64
	Mid	QPSK	17.88	19.29
	Mid	16QAM	17.95	19.49
	Mid	64QAM	17.89	19.59
	High	QPSK	17.75	19.30
	High	16QAM	17.76	19.33
	High	64QAM	17.76	19.15



LTE Band 26				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.28
	Low	16QAM	1.10	1.31
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.28
	Mid	64QAM	1.10	1.28
	High	QPSK	1.10	1.28
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.30
3	Low	QPSK	2.70	2.97
	Low	16QAM	2.70	3.00
	Low	64QAM	2.71	2.98
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.70	2.98
	Mid	64QAM	2.70	3.00
	High	QPSK	2.70	2.99
	High	16QAM	2.70	2.99
	High	64QAM	2.71	2.98
5	Low	QPSK	4.50	5.00
	Low	16QAM	4.50	5.01
	Low	64QAM	4.50	5.00
	Mid	QPSK	4.50	5.02
	Mid	16QAM	4.51	4.96
	Mid	64QAM	4.50	5.01
	High	QPSK	4.50	5.06
	High	16QAM	4.50	4.95
	High	64QAM	4.51	4.97
10	Low	QPSK	9.01	9.81
	Low	16QAM	8.94	9.75
	Low	64QAM	8.96	9.85
	Mid	QPSK	8.97	9.83
	Mid	16QAM	8.95	9.84
	Mid	64QAM	8.97	9.83
	High	QPSK	9.00	9.87
	High	16QAM	8.95	9.80
	High	64QAM	8.97	9.83



15	Low	QPSK	13.40	14.72
	Low	16QAM	13.43	14.70
	Low	64QAM	13.43	14.69
	Mid	QPSK	13.43	14.62
	Mid	16QAM	13.43	14.76
	Mid	64QAM	13.45	14.63
	High	QPSK	13.40	14.56
	High	16QAM	13.44	14.62
	High	64QAM	13.40	14.75



LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.23
	Low	16QAM	4.51	4.98
	Low	64QAM	4.52	5.00
	Mid	QPSK	4.52	5.18
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.52	5.10
	High	QPSK	4.51	5.03
	High	16QAM	4.51	4.97
	High	64QAM	4.50	4.96
10	Low	QPSK	8.96	9.74
	Low	16QAM	8.96	9.88
	Low	64QAM	8.94	9.83
	Mid	QPSK	8.95	9.72
	Mid	16QAM	8.93	9.89
	Mid	64QAM	8.97	9.86
	High	QPSK	8.96	9.82
	High	16QAM	8.96	9.75
	High	64QAM	8.97	9.80
15	Low	QPSK	13.46	14.62
	Low	16QAM	13.45	14.75
	Low	64QAM	13.38	14.62
	Mid	QPSK	13.44	14.88
	Mid	16QAM	13.44	14.89
	Mid	64QAM	13.41	14.66
	High	QPSK	13.45	15.03
	High	16QAM	13.46	15.05
	High	64QAM	13.42	15.10
20	Low	QPSK	17.87	19.71
	Low	16QAM	17.89	19.93
	Low	64QAM	17.88	19.40
	Mid	QPSK	17.93	19.92
	Mid	16QAM	17.92	19.91
	Mid	64QAM	17.92	19.43
	High	QPSK	17.88	20.15
	High	16QAM	17.86	19.50
	High	64QAM	17.88	19.41



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.29
	Low	16QAM	1.10	1.29
	Low	64QAM	1.10	1.29
	Mid	QPSK	1.10	1.29
	Mid	16QAM	1.10	1.28
	Mid	64QAM	1.10	1.29
	High	QPSK	1.10	1.30
	High	16QAM	1.10	1.28
	High	64QAM	1.10	1.31
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.71	2.99
	Low	64QAM	2.71	2.98
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.70	2.98
	Mid	64QAM	2.71	2.98
	High	QPSK	2.70	2.99
	High	16QAM	2.70	2.99
	High	64QAM	2.71	2.98
5	Low	QPSK	4.50	5.06
	Low	16QAM	4.51	5.00
	Low	64QAM	4.51	5.01
	Mid	QPSK	4.50	5.00
	Mid	16QAM	4.51	5.01
	Mid	64QAM	4.50	5.03
	High	QPSK	4.50	5.07
	High	16QAM	4.51	5.00
	High	64QAM	4.51	4.99
10	Low	QPSK	8.98	9.84
	Low	16QAM	8.95	9.75
	Low	64QAM	8.97	9.84
	Mid	QPSK	9.00	9.86
	Mid	16QAM	8.95	9.84
	Mid	64QAM	8.97	9.88
	High	QPSK	8.98	9.93
	High	16QAM	8.96	9.90
	High	64QAM	8.98	9.84



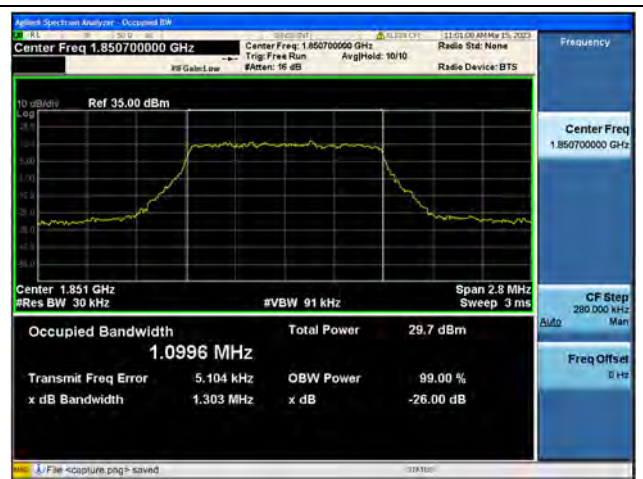
15	Low	QPSK	13.43	14.67
	Low	16QAM	13.44	14.62
	Low	64QAM	13.42	14.75
	Mid	QPSK	13.43	14.67
	Mid	16QAM	13.42	14.74
	Mid	64QAM	13.41	14.69
	High	QPSK	13.46	14.77
	High	16QAM	13.44	14.69
	High	64QAM	13.44	14.70
20	Low	QPSK	17.90	19.49
	Low	16QAM	17.90	19.51
	Low	64QAM	17.91	19.48
	Mid	QPSK	17.90	19.45
	Mid	16QAM	17.93	19.53
	Mid	64QAM	17.93	19.53
	High	QPSK	17.88	19.47
	High	16QAM	17.96	19.31
	High	64QAM	17.92	19.54



LTE Band 71				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	5.05
	Low	16QAM	4.51	4.98
	Low	64QAM	4.51	5.03
	Mid	QPSK	4.51	5.05
	Mid	16QAM	4.51	5.03
	Mid	64QAM	4.51	4.99
	High	QPSK	4.50	5.02
	High	16QAM	4.50	5.01
	High	64QAM	4.53	5.02
10	Low	QPSK	8.99	9.88
	Low	16QAM	8.97	9.81
	Low	64QAM	8.99	9.85
	Mid	QPSK	8.98	9.82
	Mid	16QAM	8.95	9.77
	Mid	64QAM	8.97	9.91
	High	QPSK	8.98	9.88
	High	16QAM	8.94	9.79
	High	64QAM	8.97	9.84
15	Low	QPSK	13.42	14.64
	Low	16QAM	13.45	14.74
	Low	64QAM	13.43	14.68
	Mid	QPSK	13.50	14.70
	Mid	16QAM	13.45	14.81
	Mid	64QAM	13.44	14.83
	High	QPSK	13.42	14.64
	High	16QAM	13.42	14.70
	High	64QAM	13.42	14.68
20	Low	QPSK	17.81	19.39
	Low	16QAM	17.89	19.36
	Low	64QAM	17.86	19.40
	Mid	QPSK	17.91	19.53
	Mid	16QAM	17.94	19.46
	Mid	64QAM	17.90	19.41
	High	QPSK	17.88	19.36
	High	16QAM	17.91	19.44
	High	64QAM	17.89	19.46



Band2 / 1.4MHz / QPSK/ Low CH



Band2 / 1.4MHz / 16QAM/ Low CH



Band2 / 1.4MHz / 64QAM/ Low CH



Band2 / 1.4MHz / QPSK/ Mid CH



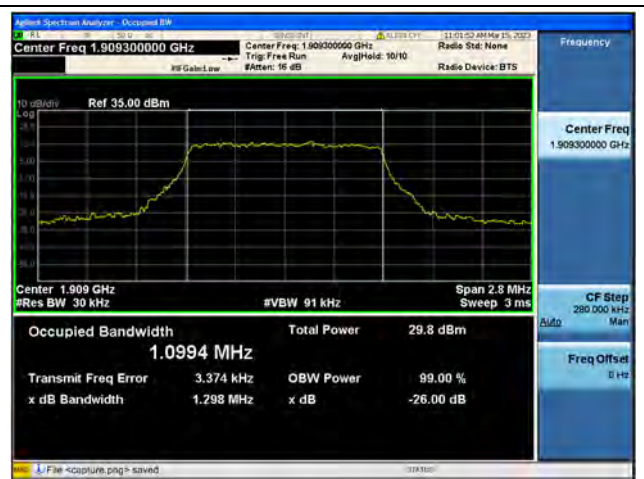
Band2 / 1.4MHz / 16QAM/ Mid CH



Band2 / 1.4MHz / 64QAM/ Mid CH



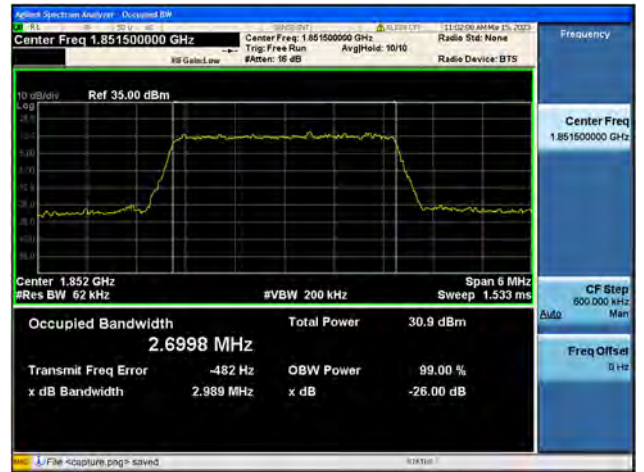
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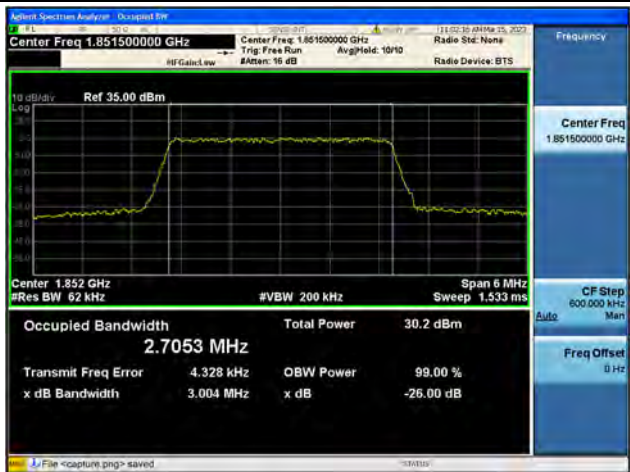
Band2 / 1.4MHz / 16QAM/ High CH



Band2 / 1.4MHz / 64QAM/ High CH



Band2 / 3MHz / QPSK/ Low CH



Band2 / 3MHz / 16QAM/ Low CH



Band2 / 3MHz / 64QAM/ Low CH



Band2 / 3MHz / QPSK/ Mid CH



Band2 / 3MHz / 16QAM/ Mid CH



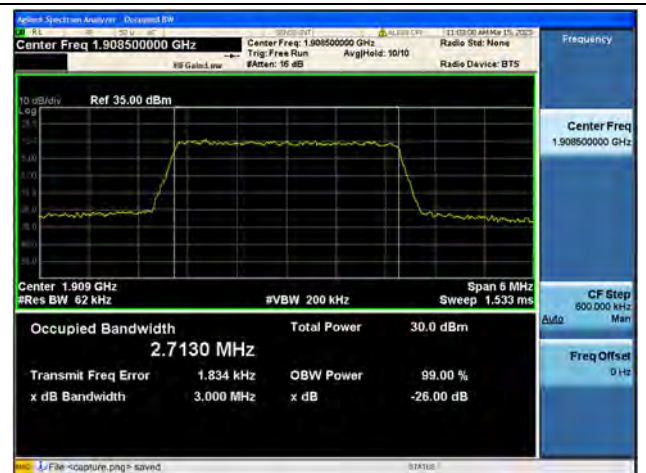
Band2 / 3MHz / 64QAM/ Mid CH



Band2 / 3MHz / QPSK/ High CH



Band2 / 3MHz / 16QAM/ High CH



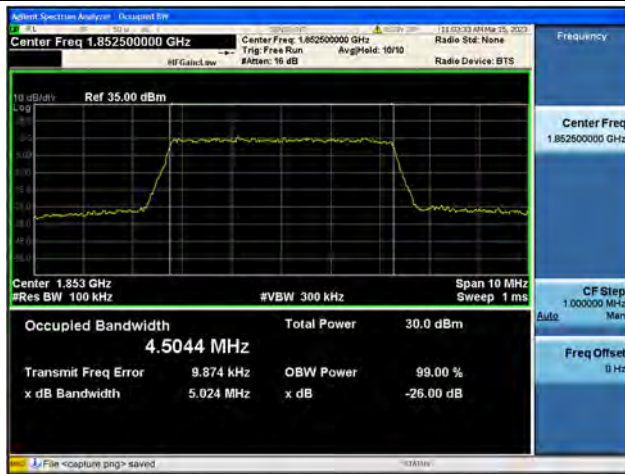
Band2 / 3MHz / 64QAM/ High CH



Band2 / 5MHz / QPSK/ Low CH



Band2 / 5MHz / 16QAM/ Low CH



Band2 / 5MHz / 64QAM/ Low CH



Band2 / 5MHz / QPSK/ Mid CH



Band2 / 5MHz / 16QAM/ Mid CH



Band2 / 5MHz / 64QAM/ Mid CH



Band2 / 10MHz / QPSK/ Mid CH



Band2 / 10MHz / 16QAM/ Mid CH



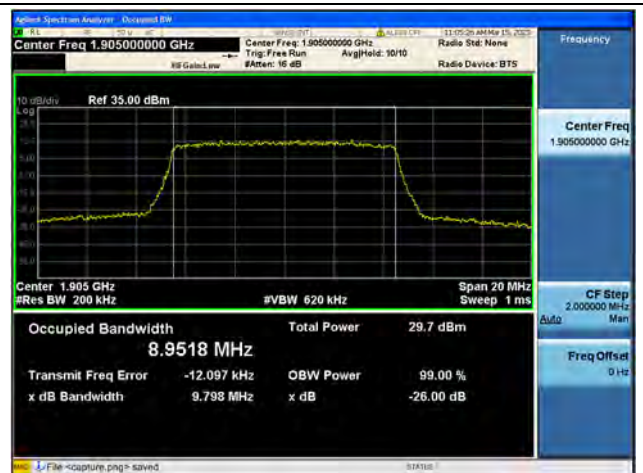
Band2 / 10MHz / 64QAM/ Mid CH



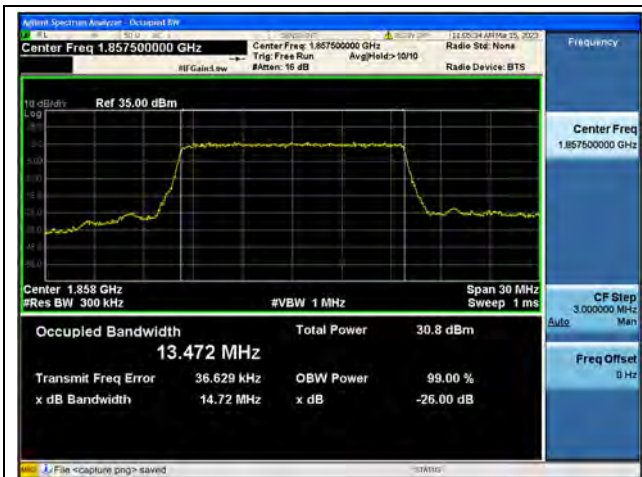
Band2 / 10MHz / QPSK/ High CH



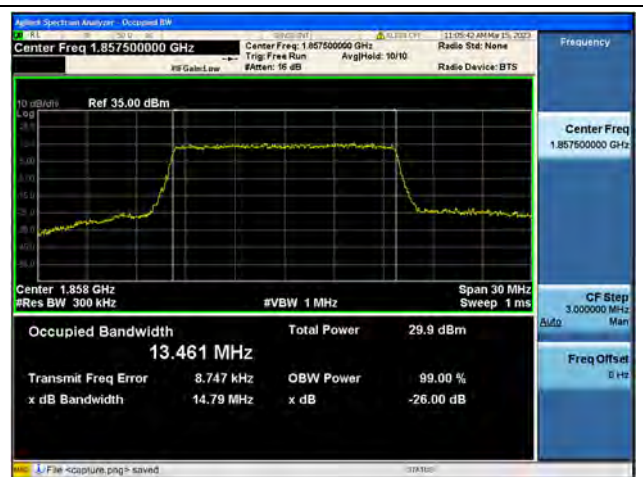
Band2 / 10MHz / 16QAM/ High CH



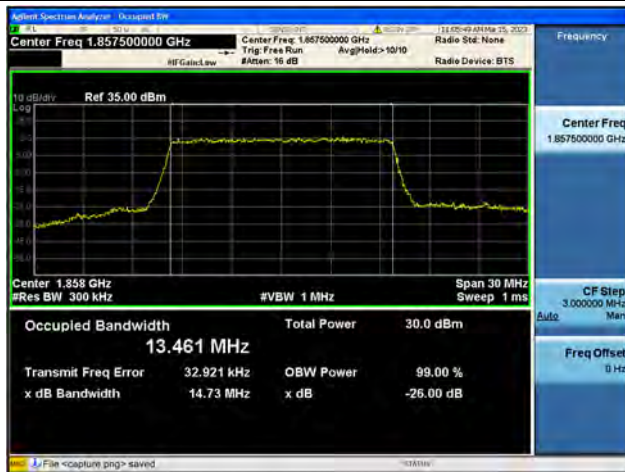
Band2 / 10MHz / 64QAM/ High CH



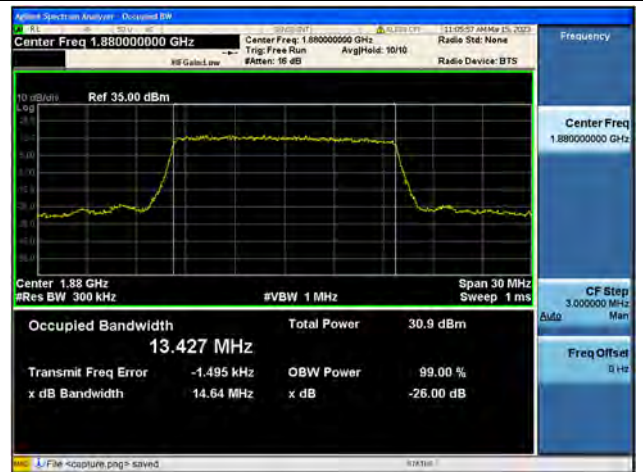
Band2 / 15MHz / QPSK/ Low CH



Band2 / 15MHz / 16QAM/ Low CH



Band2 / 15MHz / 64QAM/ Low CH



Band2 / 15MHz / QPSK/ Mid CH



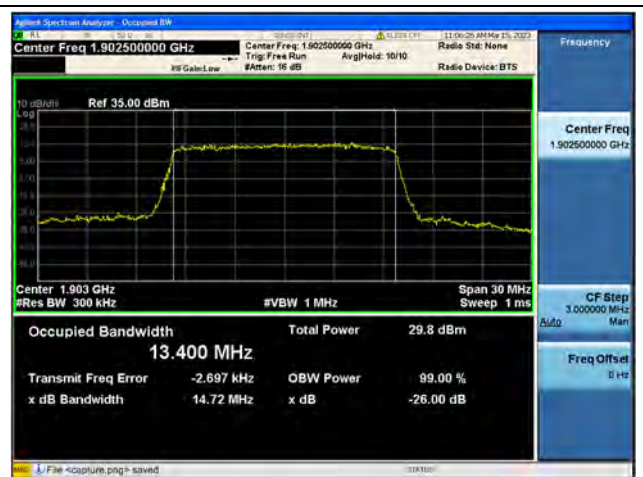
Band2 / 15MHz / 16QAM/ Mid CH



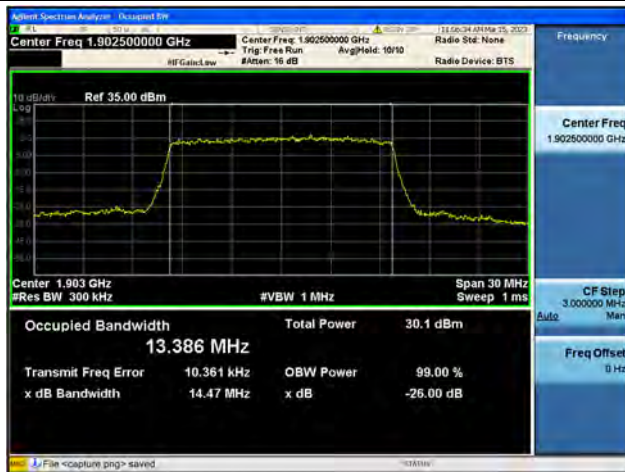
Band2 / 15MHz / 64QAM/ Mid CH



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



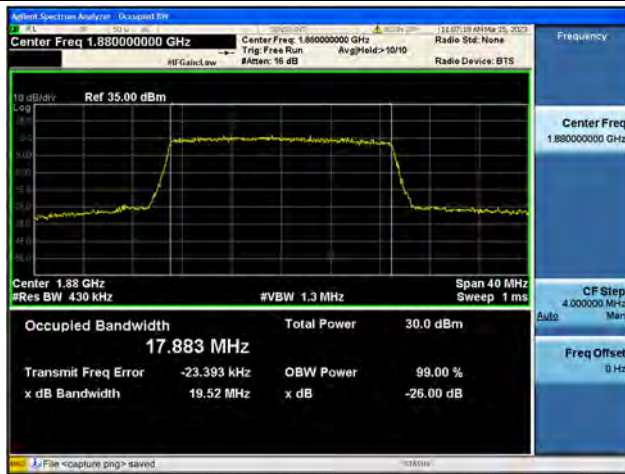
Band2 / 20MHz / 64QAM/ Low CH



Band2 / 20MHz / QPSK/ Mid CH



Band2 / 20MHz / 16QAM/ Mid CH



Band2 / 20MHz / 64QAM/ Mid CH



Band2 / 20MHz / QPSK/ High CH



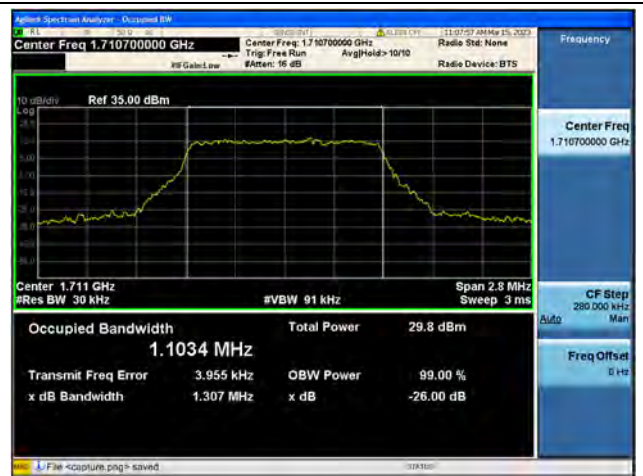
Band2 / 20MHz / 16QAM/ High CH



Band2 / 20MHz / 64QAM/ High CH



Band4 / 1.4MHz / QPSK/ Low CH



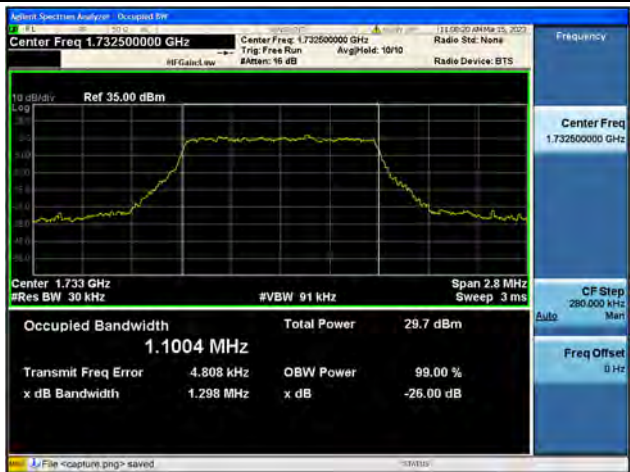
Band4 / 1.4MHz / 16QAM/ Low CH



Band4 / 1.4MHz / 64QAM/ Low CH



Band4 / 1.4MHz / QPSK/ Mid CH



Band4 / 1.4MHz / 16QAM/ Mid CH



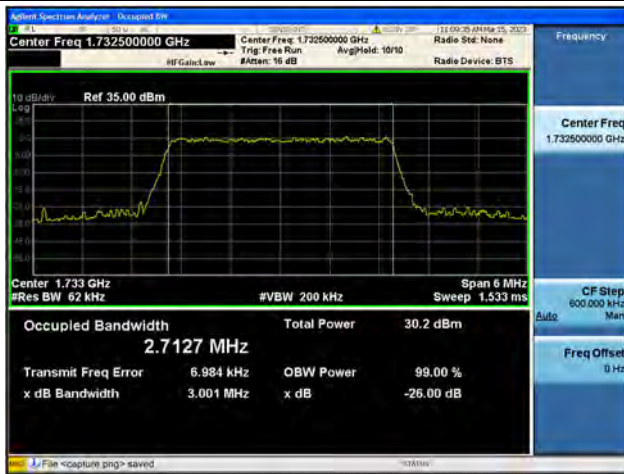
Band4 / 1.4MHz / 64QAM/ Mid CH



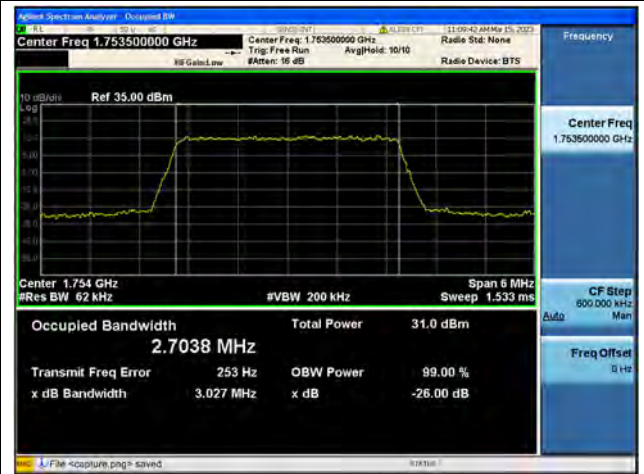
Band4 / 3MHz / QPSK/ Mid CH



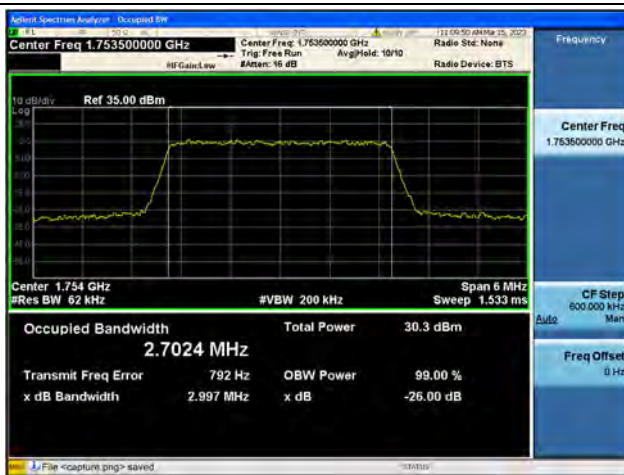
Band4 / 3MHz / 16QAM/ Mid CH



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



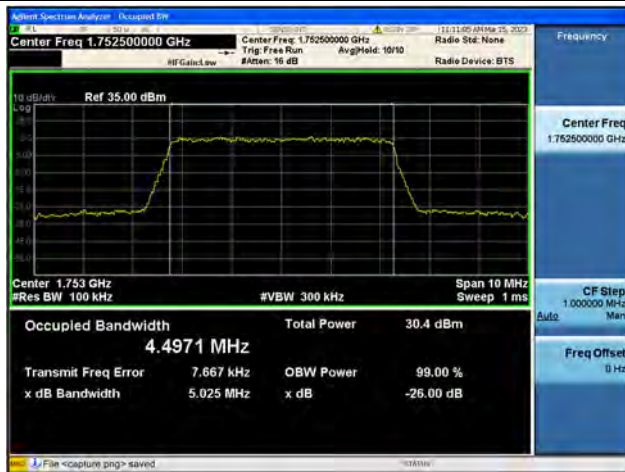
Band4 / 5MHz / 64QAM/ Mid CH



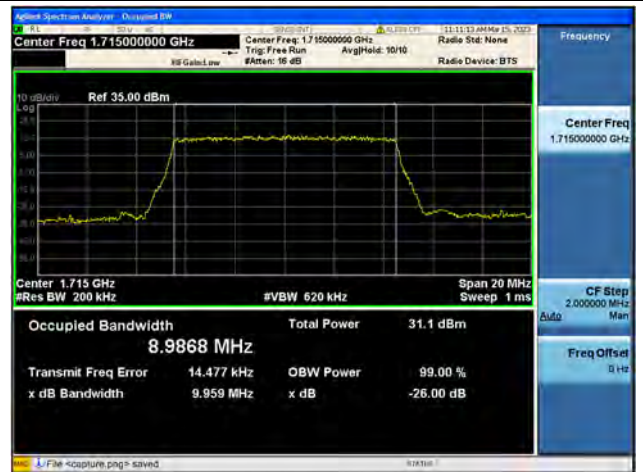
Band4 / 5MHz / QPSK/ High CH



Band4 / 5MHz / 16QAM/ High CH



Band4 / 5MHz / 64QAM/ High CH



Band4 / 10MHz / QPSK/ Low CH



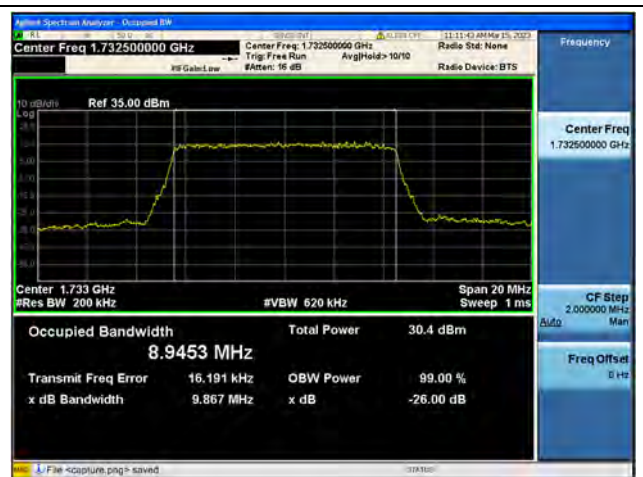
Band4 / 10MHz / 16QAM/ Low CH



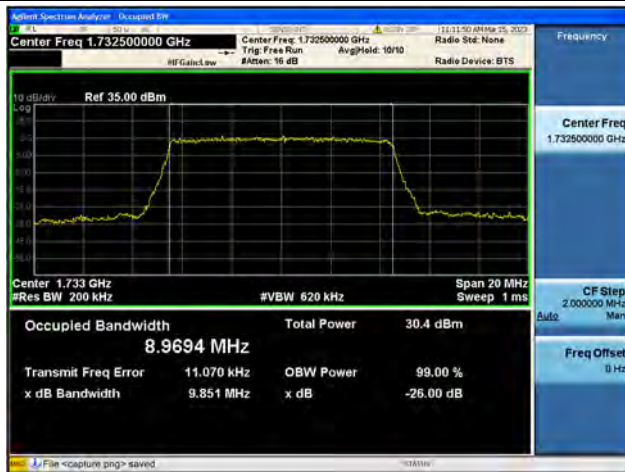
Band4 / 10MHz / 64QAM/ Low CH



Band4 / 10MHz / QPSK/ Mid CH



Band4 / 10MHz / 16QAM/ Mid CH



Band4 / 10MHz / 64QAM/ Mid CH



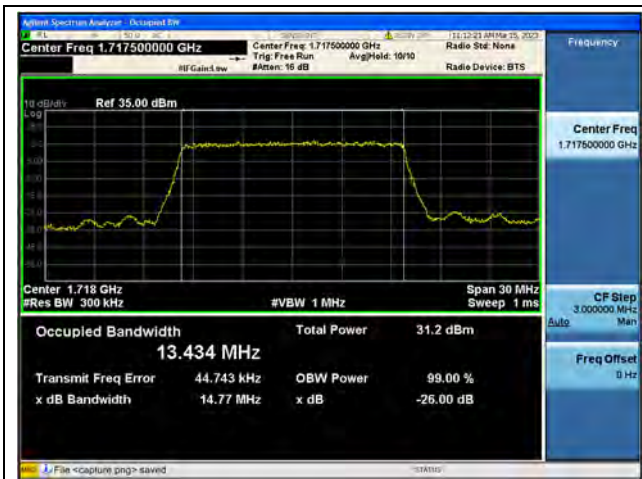
Band4 / 10MHz / QPSK/ High CH



Band4 / 10MHz / 16QAM/ High CH



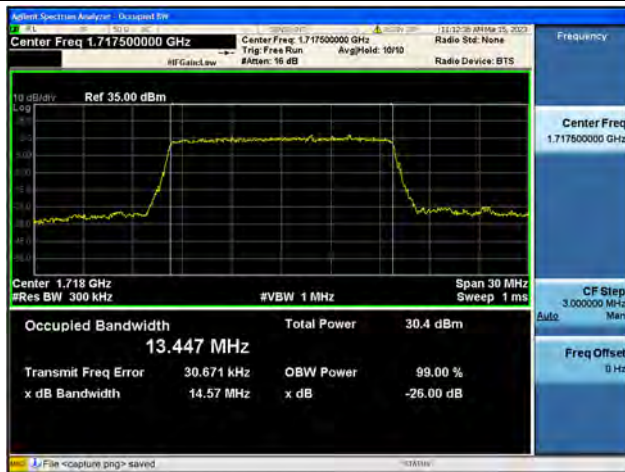
Band4 / 10MHz / 64QAM/ High CH



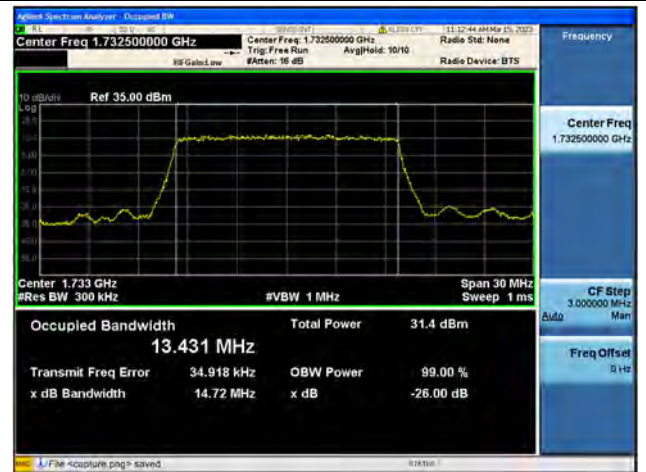
Band4 / 15MHz / QPSK/ Low CH



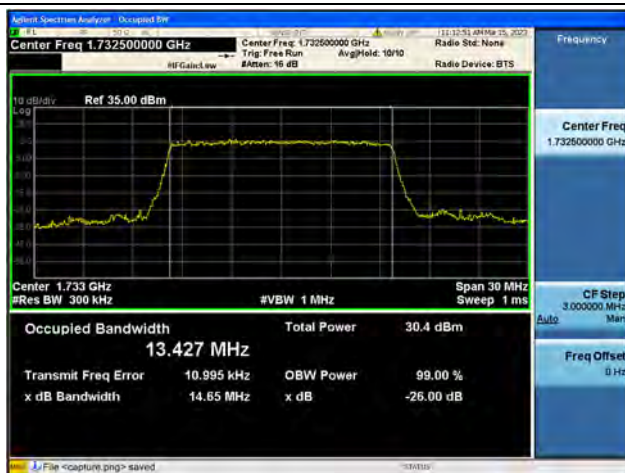
Band4 / 15MHz / 16QAM/ Low CH



Band4 / 15MHz / 64QAM/ Low CH



Band4 / 15MHz / QPSK/ Mid CH



Band4 / 15MHz / 16QAM/ Mid CH



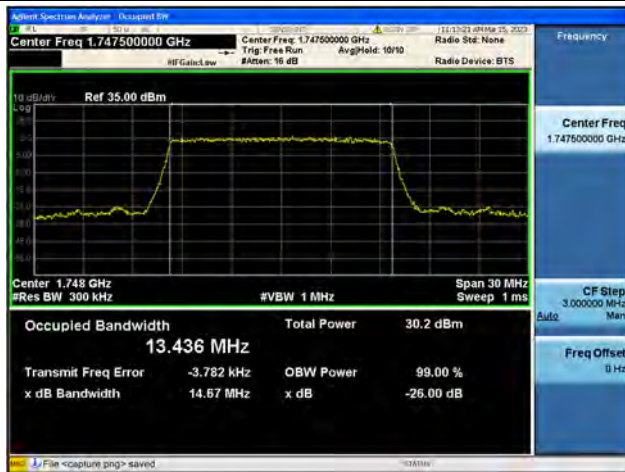
Band4 / 15MHz / 64QAM/ Mid CH



Band4 / 15MHz / QPSK/ High CH



Band4 / 15MHz / 16QAM/ High CH



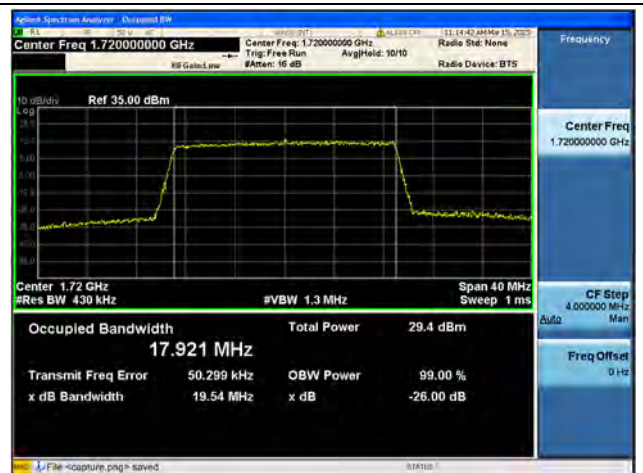
Band4 / 15MHz / 64QAM/ High CH



Band4 / 20MHz / QPSK/ Low CH



Band4 / 20MHz / 16QAM/ Low CH



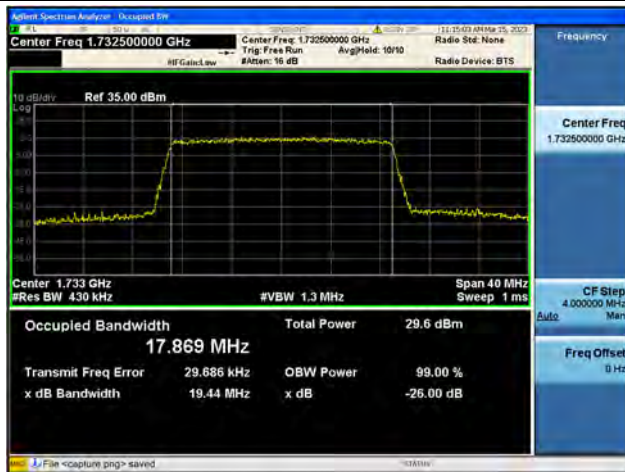
Band4 / 20MHz / 64QAM/ Low CH



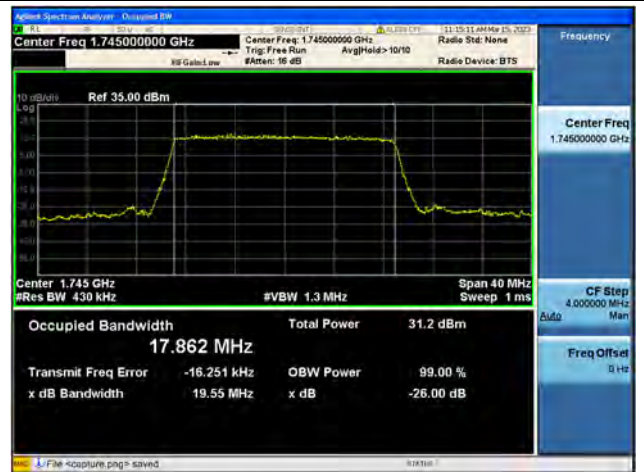
Band4 / 20MHz / QPSK/ Mid CH



Band4 / 20MHz / 16QAM/ Mid CH



Band4 / 20MHz / 64QAM/ Mid CH



Band4 / 20MHz / QPSK/ High CH



Band4 / 20MHz / 16QAM/ High CH



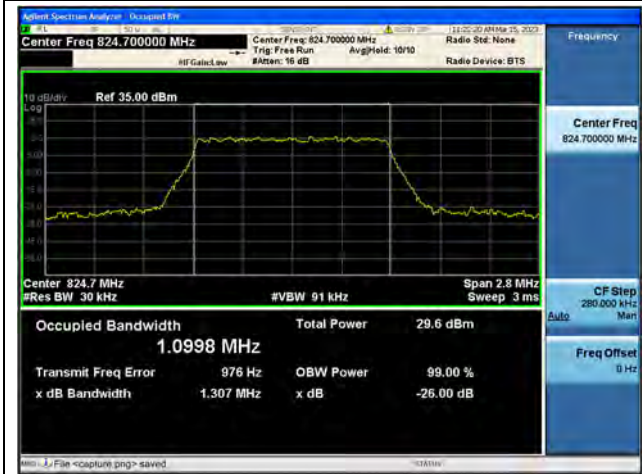
Band4 / 20MHz / 64QAM/ High CH



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



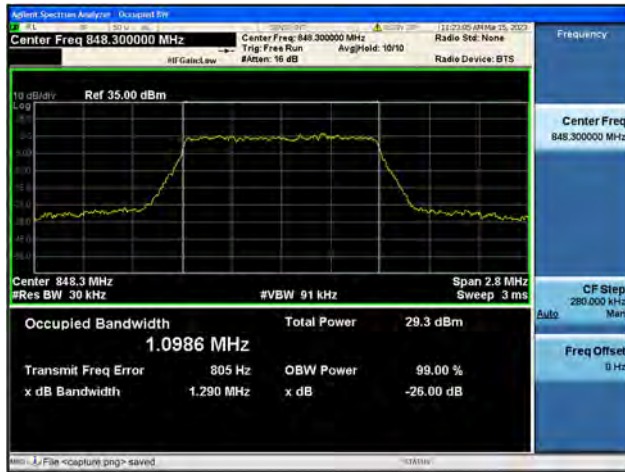
Band5 / 1.4MHz / 64QAM/ Mid CH



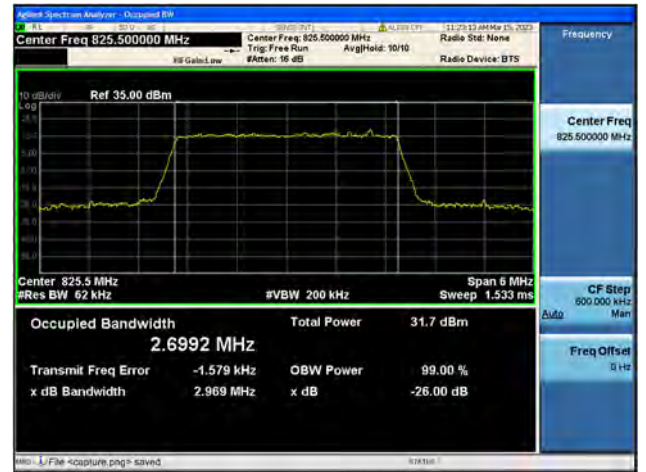
Band5 / 1.4MHz / QPSK/ High CH



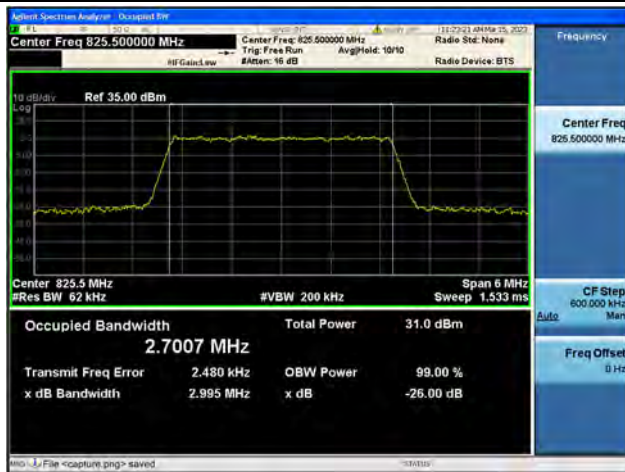
Band5 / 1.4MHz / 16QAM/ High CH



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



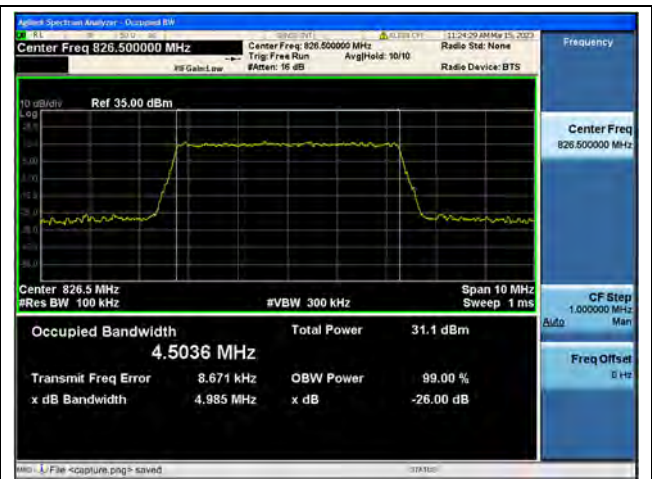
Band5 / 3MHz / 16QAM/ High CH



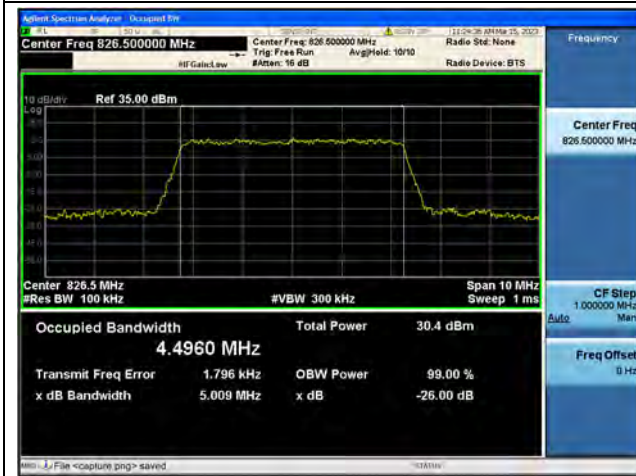
Band5 / 3MHz / 64QAM/ High CH



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



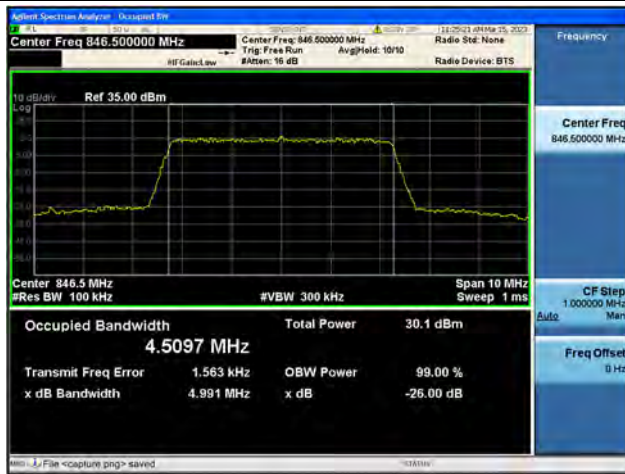
Band5 / 5MHz / 64QAM/ Mid CH



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



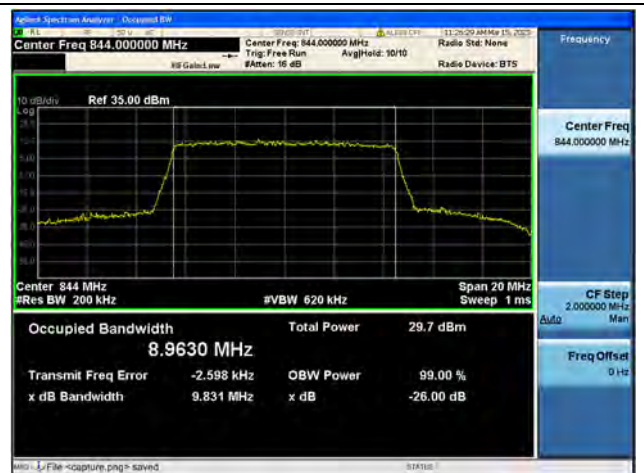
Band5 / 10MHz / 64QAM/ Mid CH



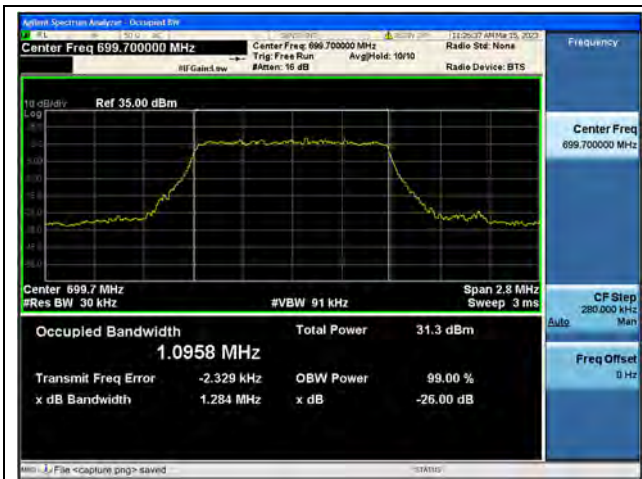
Band5 / 10MHz / QPSK/ High CH



Band5 / 10MHz / 16QAM/ High CH



Band5 / 10MHz / 64QAM/ High CH



Band12 / 1.4MHz / QPSK/ Low CH



Band12 / 1.4MHz / 16QAM/ Low CH



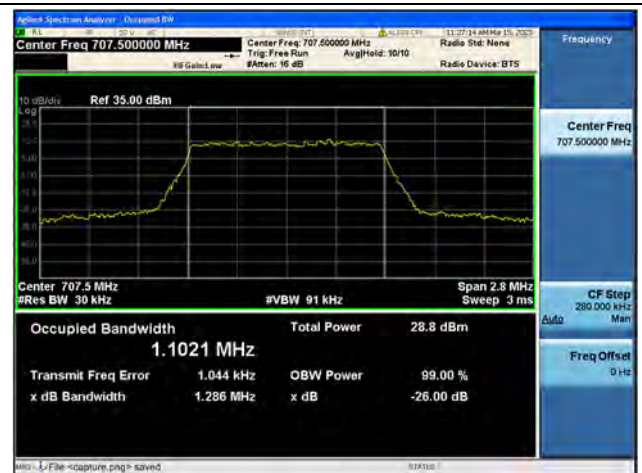
Band12 / 1.4MHz / 64QAM/ Low CH



Band12 / 1.4MHz / QPSK/ Mid CH



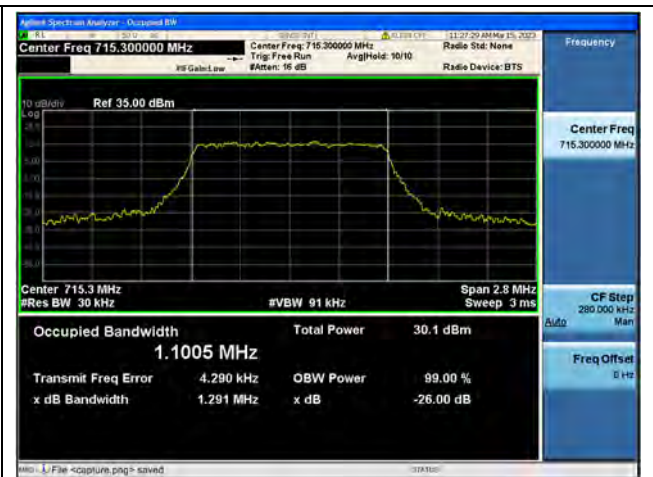
Band12 / 1.4MHz / 16QAM/ Mid CH



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



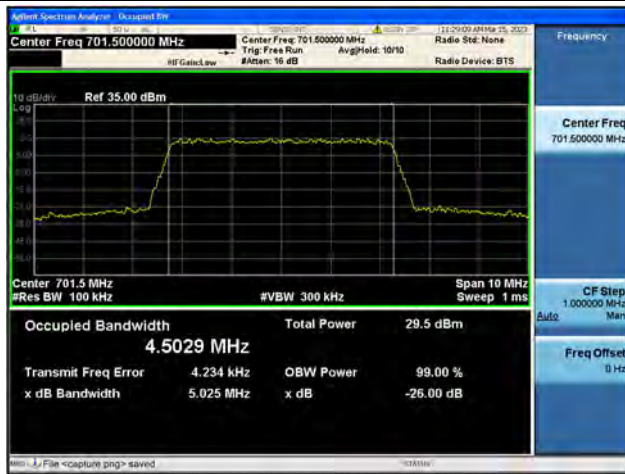
Band12 / 3MHz / 64QAM/ High CH



Band12 / 5MHz / QPSK/ Low CH



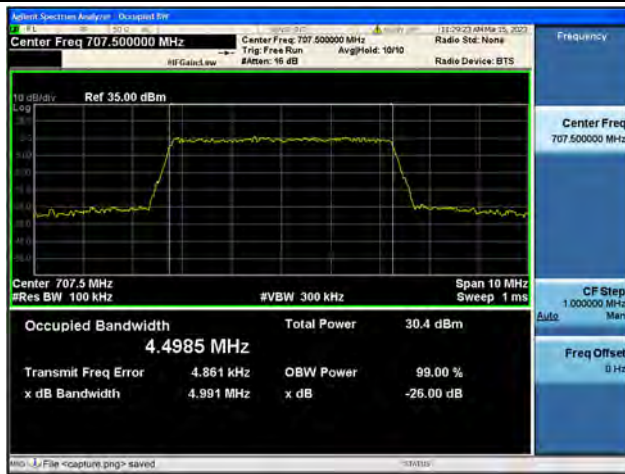
Band12 / 5MHz / 16QAM/ Low CH



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



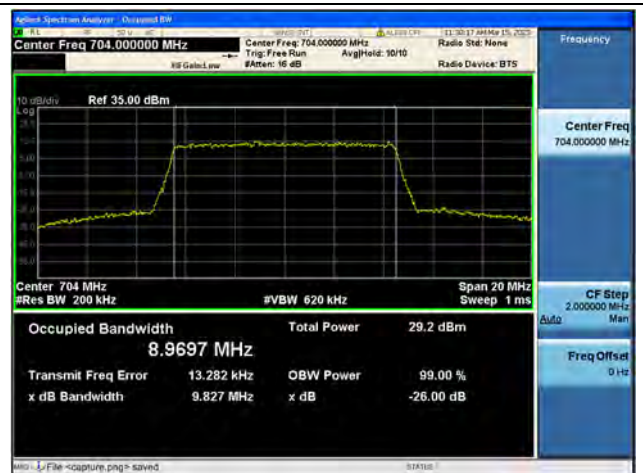
Band12 / 5MHz / 64QAM/ High CH



Band12 / 10MHz / QPSK/ Low CH



Band12 / 10MHz / 16QAM/ Low CH



Band12 / 10MHz / 64QAM/ Low CH



Band12 / 10MHz / QPSK/ Mid CH



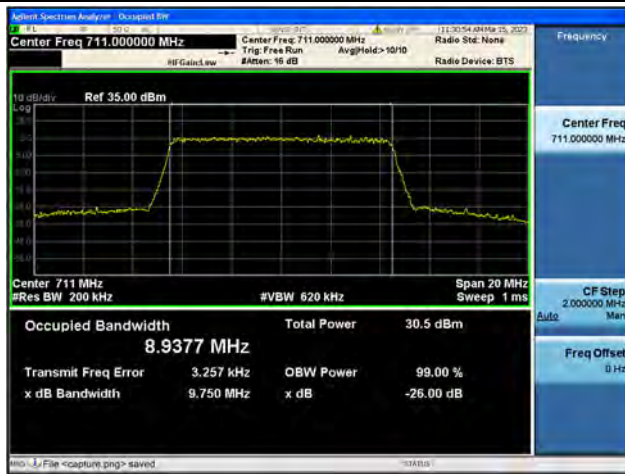
Band12 / 10MHz / 16QAM/ Mid CH



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



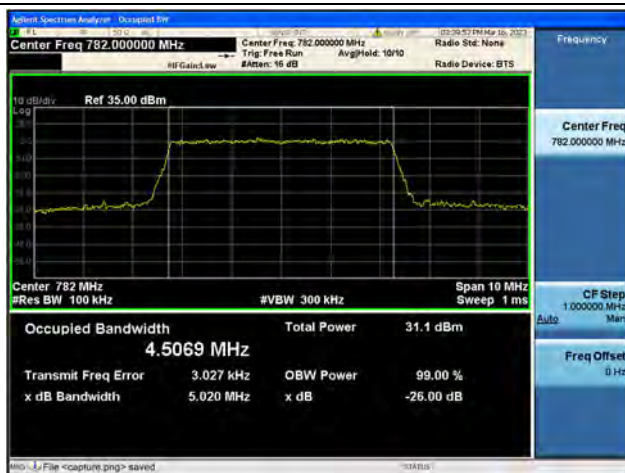
Band13 / 5MHz / 16QAM/ Low CH



Band13 / 5MHz / 64QAM/ Low CH



Band13 / 5MHz / QPSK/ Mid CH



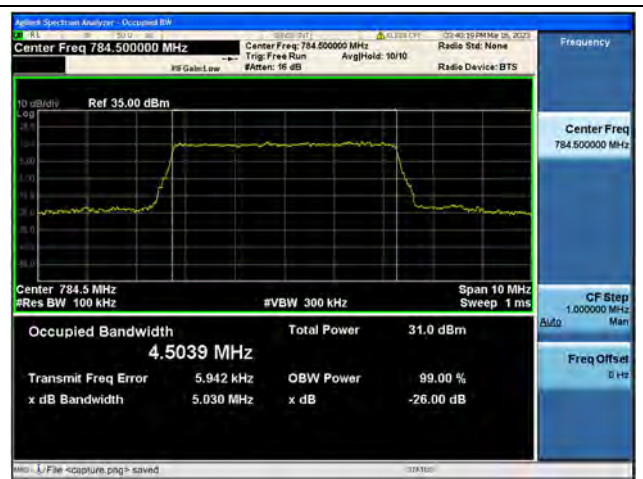
Band13 / 5MHz / 16QAM/ Mid CH



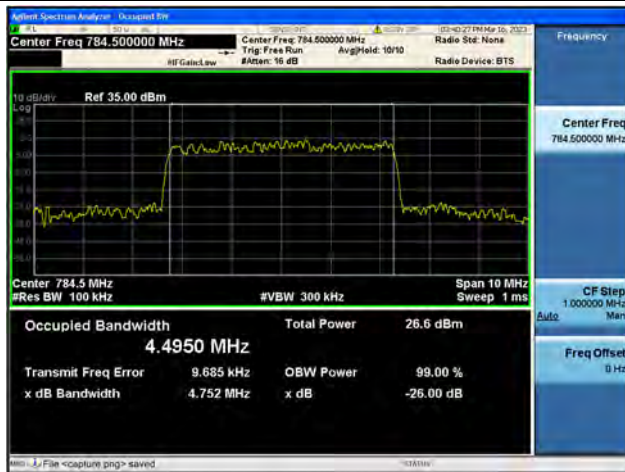
Band13 / 5MHz / 64QAM/ Mid CH



Band13 / 5MHz / QPSK/ High CH



Band13 / 5MHz / 16QAM/ High CH



Band13 / 5MHz / 64QAM/ High CH



Band13 / 10MHz / QPSK/ Mid CH



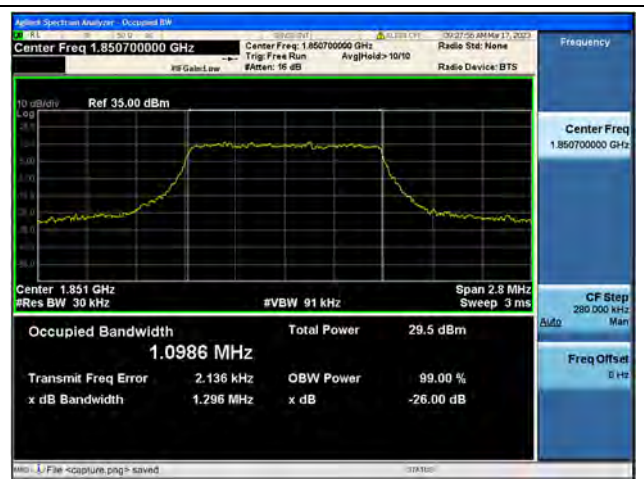
Band13 / 10MHz / 16QAM/ Mid CH



Band13 / 10MHz / 64QAM/ Mid CH



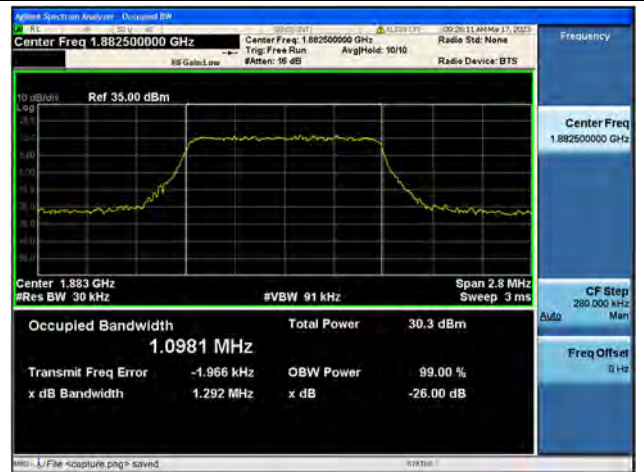
Band25 / 1.4MHz / QPSK/ Low CH



Band25 / 1.4MHz / 16QAM/ Low CH



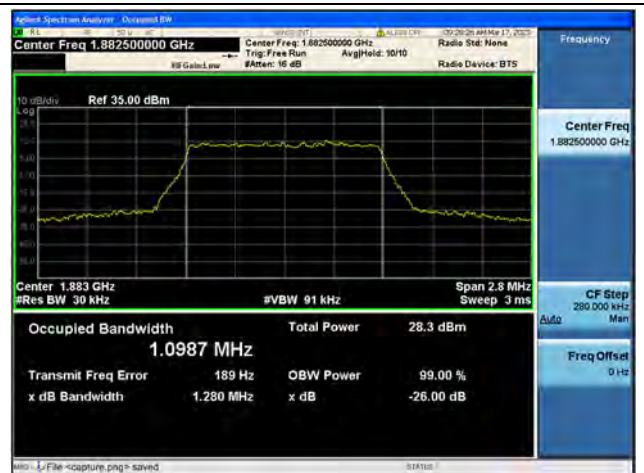
Band25 / 1.4MHz / 64QAM/ Low CH



Band25 / 1.4MHz / QPSK/ Mid CH



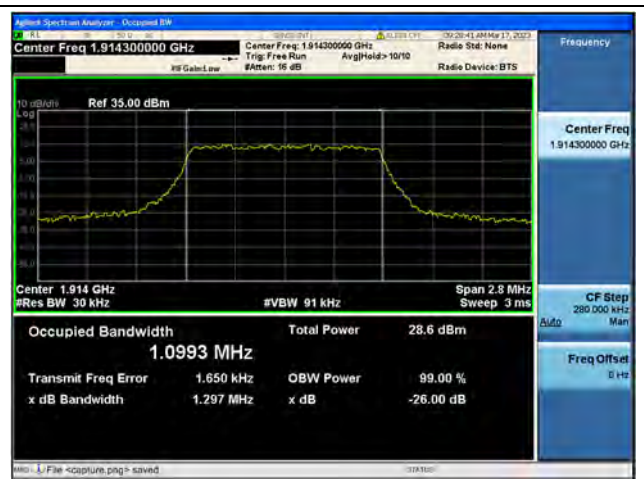
Band25 / 1.4MHz / 16QAM/ Mid CH



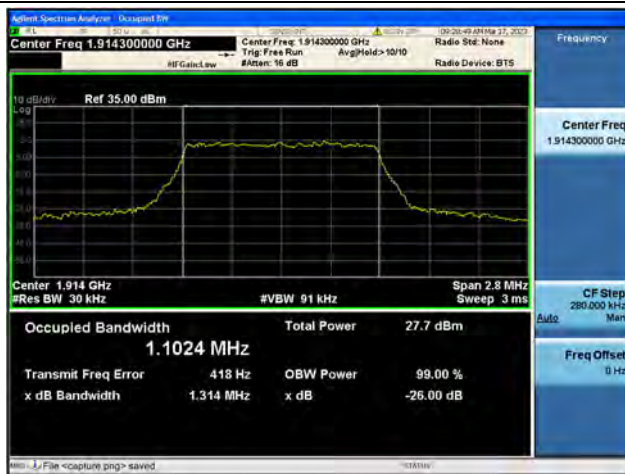
Band25 / 1.4MHz / 64QAM/ Mid CH



Band25 / 1.4MHz / QPSK/ High CH



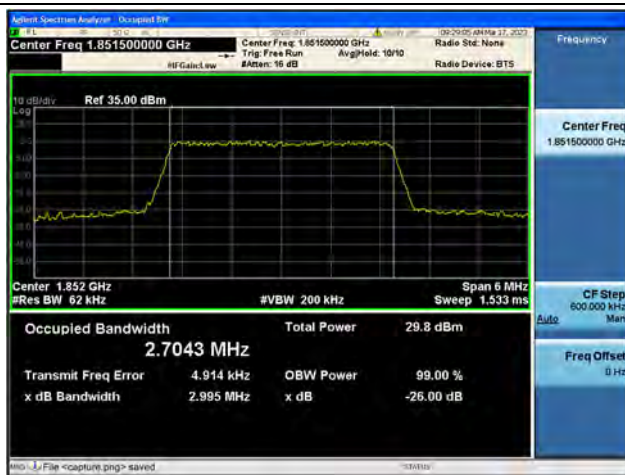
Band25 / 1.4MHz / 16QAM/ High CH



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



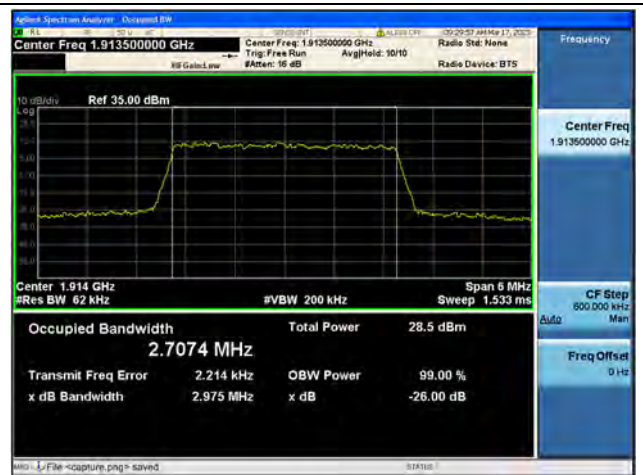
Band25 / 3MHz / 64QAM/ Mid CH



Band25 / 3MHz / QPSK/ High CH



Band25 / 3MHz / 16QAM/ High CH



Band25 / 3MHz / 64QAM/ High CH



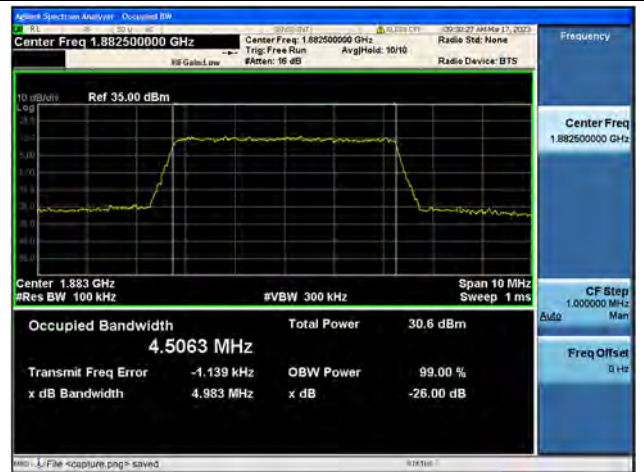
Band25 / 5MHz / QPSK/ Low CH



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



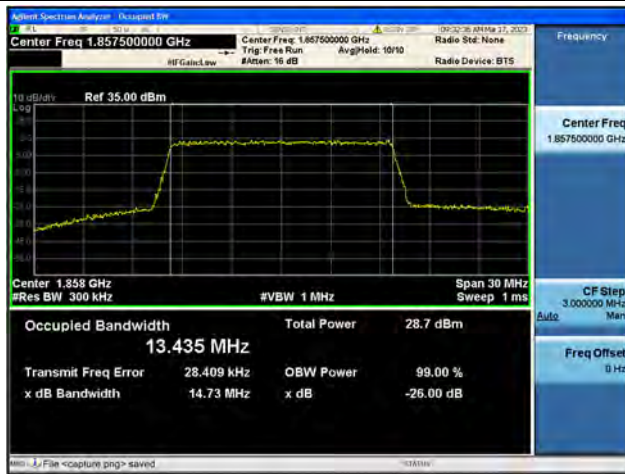
Band25 / 10MHz / 64QAM/ High CH



Band25 / 15MHz / QPSK/ Low CH



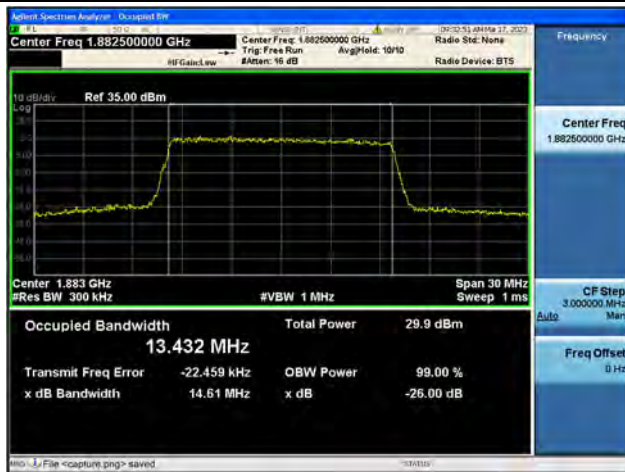
Band25 / 15MHz / 16QAM/ Low CH



Band25 / 15MHz / 64QAM/ Low CH



Band25 / 15MHz / QPSK/ Mid CH



Band25 / 15MHz / 16QAM/ Mid CH



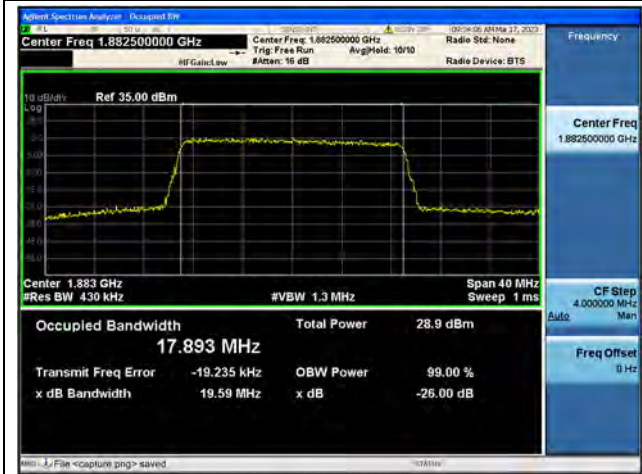
Band25 / 15MHz / 64QAM/ Mid CH



Band25 / 20MHz / QPSK/ Mid CH



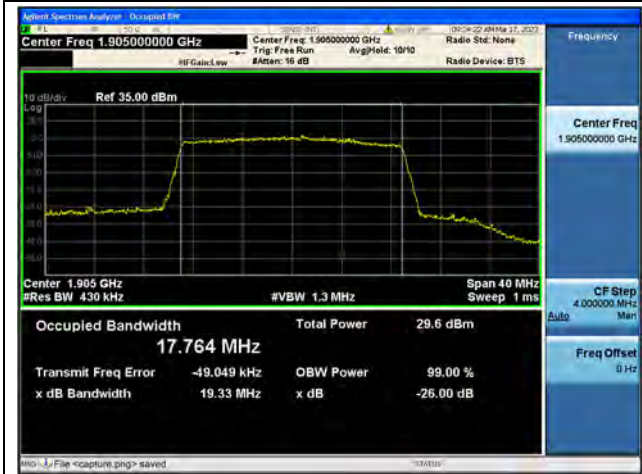
Band25 / 20MHz / 16QAM/ Mid CH



Band25 / 20MHz / 64QAM/ Mid CH



Band25 / 20MHz / QPSK/ High CH



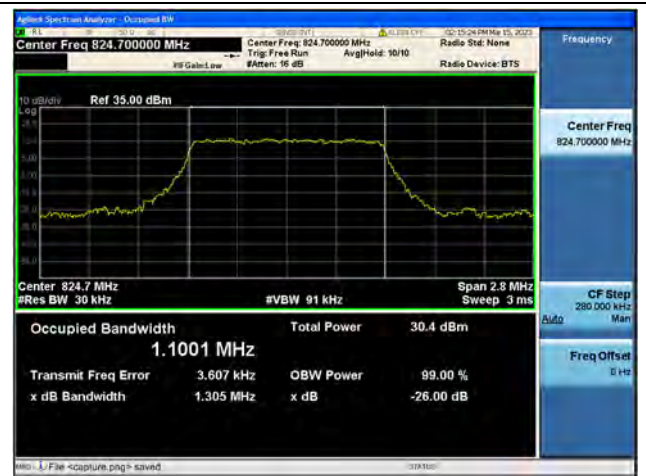
Band25 / 20MHz / 16QAM/ High CH



Band25 / 20MHz / 64QAM/ High CH



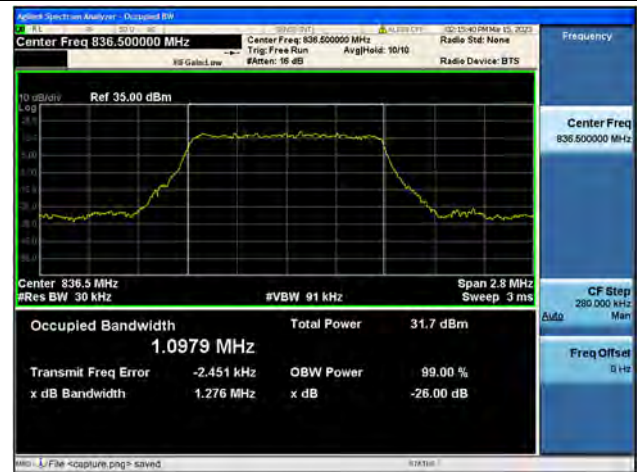
Band26 Part22 / 1.4MHz / QPSK/ Low CH



Band26 Part22 / 1.4MHz / 16QAM/ Low CH



Band26 Part22 / 1.4MHz / 64QAM/ Low CH



Band26 Part22 / 1.4MHz / QPSK/ Mid CH



Band26 Part22 / 1.4MHz / 16QAM/ Mid CH



Band26 Part22 / 1.4MHz / 64QAM/ Mid CH



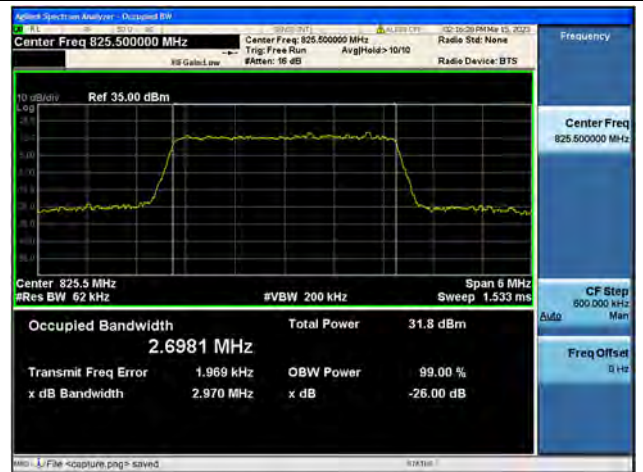
Band26 Part22 / 1.4MHz / QPSK/ High CH



Band26 Part22 / 1.4MHz / 16QAM/ High CH



Band26 Part22 / 1.4MHz / 64QAM/ High CH



Band26 Part22 / 3MHz / QPSK/ Low CH



Band26 Part22 / 3MHz / 16QAM/ Low CH



Band26 Part22 / 3MHz / 64QAM/ Low CH