



REPORT No.: SZ23080316W04

TEST REPORT

APPLICANT : Reliance Communications LLC

PRODUCT NAME : Orbic Style 5G

MODEL NAME : R678L5S

BRAND NAME : Orbic

FCC ID : 2ABGH-R678L5S

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

RECEIPT DATE : 2023-11-28

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Change History		
Version	Date	Reason for change
1.0	2024-04-19	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:	Unimaxcomm
Manufacturer Address:	35F,HBC HuiLong Center Building-II Minzhi Street,Longhua, Shenzhen, P.R. China 518110

1.2. Equipment Under Test (EUT) Description

Product Name:	Orbic Style 5G	
Sample No.:	3#	
Hardware Version:	V1.0	
Software Version:	R678L5S_V1.0.24_BVZ	
Modulation Type:	QPSK, 16QAM, 64QAM	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 13 / 66	
Carrier Aggregation(UL):	CA_5B, CA_48C, CA_66B, CA_66C, CA_2A-4A, CA_2A-5A, CA_2A-13A, CA_2A-66A, CA_4A-5A, CA_4A-13A, CA_5A-66A, CA_13A-66A	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz–716MHz
		Rx: 729MHz–746MHz
	LTE Band 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz



Frequency Range:	LTE Band 66	Tx: 1710MHz–1780MHz
		Rx: 2110MHz–2200MHz
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 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 13	5 MHz, 10MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	ANT 3: 0.19dBi; ANT 4: 1.29dBi
	LTE Band 4	ANT 3: -0.90dBi; ANT 4: 0.84dBi
	LTE Band 5	ANT 1: -0.06dBi;
	LTE Band 7	ANT 3: -3.78dBi; ANT 5: 2.02dBi
	LTE Band 12	ANT 1: -2.43dBi;
	LTE Band 13	ANT 1: 0.62dBi;
	LTE Band 66	ANT 3: -0.67dBi; ANT 4: 1.24dBi
Accessory Information:	Battery	
	Brand Name:	Orbic
	Model No.:	BTE-5004
	Serial No.:	N/A
	Capacity:	4870mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	Shenzhen Aerospace Electronic Co.,Ltd.
	AC Adapter	
	Brand Name:	Orbic
	Model No.:	OACH023US1
	Serial No.:	N/A
	Rated Output:	5V=3A; 9V=2A; 12V=1.5A
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer 1:	WATAI ELECTRONICS PRIVATE LIMITED
	Manufacturer 2:	KANGYIN ELECTRONIC TECHNOLOGY CO.,LTD
	USB Cable	
	Model No.:	HX-YLMK-06
	Manufacturer:	HUIZHOU WASHIN ELECTRONICS CO.,LTD



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

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

LTE Band 2		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20		0.264	0.214	0.169	18M0G7D	18M0W7D	18M0W7D
15		0.262	0.214	0.167	13M5G7D	13M5W7D	13M5W7D
10		0.260	0.215	0.165	9M01G7D	9M00W7D	9M02W7D
5		0.259	0.213	0.162	4M51G7D	4M52W7D	4M51W7D
3		0.260	0.213	0.163	2M73G7D	2M72W7D	2M71W7D
1.4		0.259	0.214	0.163	1M10G7D	1M11W7D	1M11W7D
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		0.234	0.197	0.153	18M0G7D	18M0W7D	18M0W7D
15		0.233	0.195	0.148	13M5G7D	13M5W7D	13M5W7D
10		0.232	0.195	0.149	9M01G7D	9M03W7D	9M02W7D
5		0.231	0.196	0.150	4M53G7D	4M52W7D	4M53W7D
3		0.232	0.195	0.149	2M71G7D	2M73W7D	2M72W7D
1.4		0.231	0.196	0.152	1M11G7D	1M11W7D	1M10W7D
LTE Band 5		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10		0.121	0.104	0.078	9M03G7D	9M00W7D	9M01W7D
5		0.120	0.102	0.077	4M52G7D	4M52W7D	4M52W7D
3		0.121	0.103	0.077	2M72G7D	2M72W7D	2M72W7D
1.4		0.120	0.104	0.079	1M10G7D	1M12W7D	1M11W7D
LTE Band 7		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20		0.313	0.255	0.200	18M0G7D	18M0W7D	18M0W7D
15		0.310	0.254	0.203	13M5G7D	13M5W7D	13M5W7D
10		0.310	0.258	0.195	9M02G7D	9M03W7D	9M03W7D
5		0.308	0.255	0.193	4M53G7D	4M52W7D	4M52W7D
LTE Band 12		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10		0.090	0.075	0.057	9M01G7D	9M01W7D	9M02W7D
5		0.089	0.074	0.056	4M53G7D	4M52W7D	4M52W7D
3		0.089	0.074	0.057	2M72G7D	2M72W7D	2M71W7D
1.4		0.089	0.073	0.056	1M10G7D	1M11W7D	1M11W7D



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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	0.178	0.144	0.110	9M00G7D	8M98W7D	9M00W7D
5	0.176	0.148	0.113	4M52G7D	4M53W7D	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	0.264	0.214	0.164	18M0G7D	18M0W7D	18M0W7D
15	0.262	0.215	0.166	13M5G7D	13M5W7D	13M5W7D
10	0.259	0.216	0.166	9M03G7D	9M01W7D	9M00W7D
5	0.260	0.216	0.166	4M54G7D	4M52W7D	4M53W7D
3	0.261	0.216	0.170	2M72G7D	2M72W7D	2M73W7D
1.4	0.259	0.215	0.163	1M10G7D	1M11W7D	1M11W7D

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.	Jan. 02, 2024	Shen Biaohong Gan Jing	PASS	No deviation
2.1049	Occupied Bandwidth	Jan. 02, 2024	Gan Jing	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Mar. 05, 2024	Gan Jing	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Jan. 02, 2024	Gan Jing	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	Jan. 02, 2024	Gan Jing	PASS	No deviation
2.1051 22.917(a)	Band Edge	Jan. 02, 2024	Gan Jing	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	Jan. 19 to 22, 2024	Gao Jianrou	PASS	No deviation

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

Note 2: The path loss during the RF test is calibrated to correct the results by the offset setting in the test equipment. 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 Requirements

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

2.1.1. Requirement

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

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

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

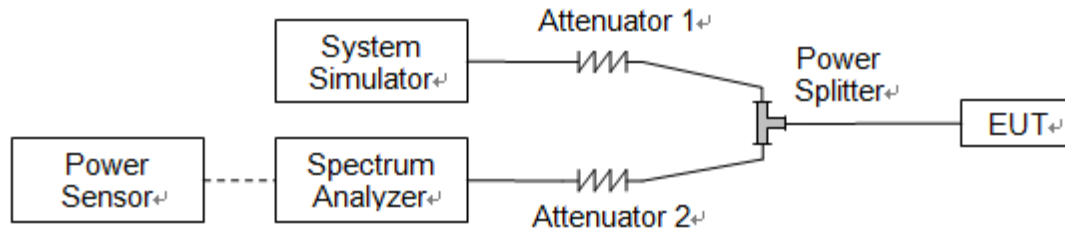
According to FCC section 22.913 (a)(2) for LTE Band 5, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h)(2) for LTE Band 7, 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, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

2.1.2. Test Description



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

2.1.3. Test Procedure

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

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

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



2.1.4. Result

Conducted Output Power

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	22.87	22.93	22.84
20	QPSK	1	49	22.81	22.82	22.65
20	QPSK	1	99	22.74	22.79	22.61
20	QPSK	50	0	21.81	21.87	21.79
20	QPSK	50	24	21.78	21.72	21.60
20	QPSK	50	50	21.70	21.61	21.66
20	QPSK	100	0	21.74	21.65	21.61
20	16QAM	1	0	21.98	22.01	21.97
20	16QAM	1	49	21.94	21.93	21.88
20	16QAM	1	99	21.95	21.89	21.90
20	16QAM	50	0	20.77	20.76	20.74
20	16QAM	50	24	20.73	20.69	20.70
20	16QAM	50	50	20.65	20.58	20.60
20	16QAM	100	0	20.68	20.63	20.61
20	64QAM	1	0	20.80	20.98	20.75
20	64QAM	1	49	20.76	20.78	20.71
20	64QAM	1	99	20.71	20.73	20.67
20	64QAM	50	0	19.70	19.73	19.65
20	64QAM	50	24	19.64	19.66	19.50
20	64QAM	50	50	19.57	19.60	19.55
20	64QAM	100	0	19.56	19.63	19.58



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.82	22.89	22.77
15	QPSK	1	37	22.68	22.71	22.52
15	QPSK	1	74	22.65	22.54	22.60
15	QPSK	36	0	21.75	21.80	21.76
15	QPSK	36	20	21.78	21.68	21.63
15	QPSK	36	39	21.55	21.60	21.57
15	QPSK	75	0	21.68	21.74	21.53
15	16QAM	1	0	21.99	22.02	21.94
15	16QAM	1	37	21.91	21.90	21.83
15	16QAM	1	74	21.97	21.81	21.82
15	16QAM	36	0	20.86	20.66	20.70
15	16QAM	36	20	20.63	20.55	20.79
15	16QAM	36	39	20.70	20.53	20.62
15	16QAM	75	0	20.63	20.60	20.60
15	64QAM	1	0	20.81	20.94	20.79
15	64QAM	1	37	20.86	20.77	20.62
15	64QAM	1	74	20.75	20.68	20.66
15	64QAM	36	0	19.67	19.81	19.55
15	64QAM	36	20	19.57	19.52	19.55
15	64QAM	36	39	19.65	19.63	19.64
15	64QAM	75	0	19.53	19.73	19.58



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.75	22.86	22.79
10	QPSK	1	25	22.73	22.80	22.67
10	QPSK	1	49	22.61	22.58	22.53
10	QPSK	25	0	21.78	21.80	21.53
10	QPSK	25	12	21.74	21.57	21.57
10	QPSK	25	25	21.63	21.64	21.54
10	QPSK	50	0	21.61	21.66	21.54
10	16QAM	1	0	21.97	22.03	21.89
10	16QAM	1	25	21.94	21.96	21.90
10	16QAM	1	49	21.95	21.75	21.85
10	16QAM	25	0	20.69	20.66	20.71
10	16QAM	25	12	20.70	20.63	20.78
10	16QAM	25	25	20.71	20.67	20.64
10	16QAM	50	0	20.70	20.60	20.69
10	64QAM	1	0	20.84	20.79	20.60
10	64QAM	1	25	20.74	20.88	20.75
10	64QAM	1	49	20.63	20.63	20.68
10	64QAM	25	0	19.69	19.79	19.64
10	64QAM	25	12	19.69	19.74	19.61
10	64QAM	25	25	19.57	19.64	19.59
10	64QAM	50	0	19.63	19.66	19.62



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.79	22.85	22.68
5	QPSK	1	12	22.70	22.73	22.73
5	QPSK	1	24	22.69	22.56	22.50
5	QPSK	12	0	21.83	21.76	21.63
5	QPSK	12	7	21.72	21.62	21.61
5	QPSK	12	13	21.59	21.64	21.65
5	QPSK	25	0	21.63	21.69	21.67
5	16QAM	1	0	22.00	22.00	21.86
5	16QAM	1	12	21.94	21.93	21.85
5	16QAM	1	24	21.96	21.75	21.79
5	16QAM	12	0	20.73	20.82	20.66
5	16QAM	12	7	20.74	20.75	20.66
5	16QAM	12	13	20.62	20.55	20.60
5	16QAM	25	0	20.60	20.61	20.62
5	64QAM	1	0	20.80	20.67	20.62
5	64QAM	1	12	20.79	20.79	20.71
5	64QAM	1	24	20.65	20.76	20.69
5	64QAM	12	0	19.64	19.73	19.75
5	64QAM	12	7	19.62	19.68	19.59
5	64QAM	12	13	19.57	19.69	19.58
5	64QAM	25	0	19.62	19.72	19.67



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.78	22.86	22.65
3	QPSK	1	8	22.71	22.79	22.61
3	QPSK	1	14	22.65	22.68	22.57
3	QPSK	8	0	21.92	21.84	21.76
3	QPSK	8	4	21.83	21.76	21.56
3	QPSK	8	7	21.69	21.64	21.59
3	QPSK	15	0	21.74	21.67	21.58
3	16QAM	1	0	21.99	21.98	21.83
3	16QAM	1	8	21.93	21.92	21.86
3	16QAM	1	14	21.98	21.86	21.76
3	16QAM	8	0	20.66	20.66	20.59
3	16QAM	8	4	20.72	20.55	20.74
3	16QAM	8	7	20.63	20.56	20.52
3	16QAM	15	0	20.55	20.57	20.56
3	64QAM	1	0	20.69	20.72	20.83
3	64QAM	1	8	20.66	20.70	20.62
3	64QAM	1	14	20.80	20.80	20.57
3	64QAM	8	0	19.55	19.79	19.70
3	64QAM	8	4	19.71	19.54	19.60
3	64QAM	8	7	19.50	19.51	19.54
3	64QAM	15	0	19.54	19.61	19.66



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				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.77	22.84	22.72
1.4	QPSK	1	3	22.69	22.60	22.53
1.4	QPSK	1	5	22.68	22.67	22.55
1.4	QPSK	3	0	21.79	21.89	21.74
1.4	QPSK	3	1	21.75	21.78	21.72
1.4	QPSK	3	3	21.77	21.73	21.70
1.4	QPSK	6	0	21.64	21.69	21.64
1.4	16QAM	1	0	21.97	22.01	21.95
1.4	16QAM	1	3	21.91	21.93	21.81
1.4	16QAM	1	5	21.91	21.87	21.96
1.4	16QAM	3	0	20.85	20.63	20.61
1.4	16QAM	3	1	20.76	20.61	20.60
1.4	16QAM	3	3	20.73	20.59	20.69
1.4	16QAM	6	0	20.70	20.59	20.64
1.4	64QAM	1	0	20.82	20.69	20.60
1.4	64QAM	1	3	20.84	20.63	20.67
1.4	64QAM	1	5	20.74	20.73	20.72
1.4	64QAM	3	0	19.59	19.67	19.70
1.4	64QAM	3	1	19.54	19.55	19.69
1.4	64QAM	3	3	19.67	19.62	19.62
1.4	64QAM	6	0	19.59	19.55	19.56



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	22.79	22.86	22.81
20	QPSK	1	49	22.77	22.75	22.75
20	QPSK	1	99	22.69	22.80	22.71
20	QPSK	50	0	21.81	21.90	21.84
20	QPSK	50	24	21.87	21.70	21.69
20	QPSK	50	50	21.73	21.76	21.63
20	QPSK	100	0	21.69	21.72	21.78
20	16QAM	1	0	21.95	22.10	21.99
20	16QAM	1	49	21.96	22.03	21.88
20	16QAM	1	99	21.88	21.99	21.95
20	16QAM	50	0	20.87	20.90	20.70
20	16QAM	50	24	20.74	20.68	20.76
20	16QAM	50	50	20.63	20.70	20.74
20	16QAM	100	0	20.55	20.82	20.64
20	64QAM	1	0	20.86	21.01	20.87
20	64QAM	1	49	20.73	20.74	20.90
20	64QAM	1	99	20.75	20.74	20.87
20	64QAM	50	0	19.75	19.84	19.82
20	64QAM	50	24	19.69	19.83	19.61
20	64QAM	50	50	19.66	19.64	19.65
20	64QAM	100	0	19.65	19.79	19.70



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	22.81	22.83	22.75
15	QPSK	1	37	22.79	22.79	22.71
15	QPSK	1	74	22.64	22.75	22.70
15	QPSK	36	0	21.85	21.88	21.70
15	QPSK	36	20	21.67	21.87	21.64
15	QPSK	36	39	21.72	21.59	21.55
15	QPSK	75	0	21.74	21.73	21.76
15	16QAM	1	0	21.99	22.07	21.96
15	16QAM	1	37	21.89	22.05	21.87
15	16QAM	1	74	21.98	21.85	22.01
15	16QAM	36	0	20.86	20.91	20.70
15	16QAM	36	20	20.65	20.70	20.65
15	16QAM	36	39	20.53	20.77	20.72
15	16QAM	75	0	20.67	20.83	20.60
15	64QAM	1	0	20.76	20.85	20.84
15	64QAM	1	37	20.68	20.78	20.79
15	64QAM	1	74	20.67	20.75	20.68
15	64QAM	36	0	19.73	19.83	19.73
15	64QAM	36	20	19.53	19.78	19.59
15	64QAM	36	39	19.56	19.56	19.72
15	64QAM	75	0	19.48	19.82	19.76



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	22.77	22.81	22.74
10	QPSK	1	25	22.74	22.65	22.61
10	QPSK	1	49	22.67	22.75	22.61
10	QPSK	25	0	21.85	21.90	21.61
10	QPSK	25	12	21.82	21.78	21.68
10	QPSK	25	25	21.59	21.66	21.75
10	QPSK	50	0	21.76	21.79	21.75
10	16QAM	1	0	22.02	22.06	21.95
10	16QAM	1	25	22.05	21.97	21.84
10	16QAM	1	49	22.04	22.03	21.97
10	16QAM	25	0	20.73	20.89	20.83
10	16QAM	25	12	20.74	20.66	20.66
10	16QAM	25	25	20.62	20.65	20.78
10	16QAM	50	0	20.61	20.73	20.60
10	64QAM	1	0	20.85	20.89	20.84
10	64QAM	1	25	20.83	20.84	20.82
10	64QAM	1	49	20.66	20.81	20.85
10	64QAM	25	0	19.79	19.83	19.79
10	64QAM	25	12	19.71	19.75	19.59
10	64QAM	25	25	19.64	19.65	19.65
10	64QAM	50	0	19.50	19.66	19.75



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	22.76	22.80	22.73
5	QPSK	1	12	22.74	22.75	22.67
5	QPSK	1	24	22.72	22.74	22.60
5	QPSK	12	0	21.84	21.99	21.73
5	QPSK	12	7	21.64	21.74	21.64
5	QPSK	12	13	21.69	21.61	21.65
5	QPSK	25	0	21.79	21.78	21.64
5	16QAM	1	0	22.03	22.08	21.95
5	16QAM	1	12	22.07	21.98	22.07
5	16QAM	1	24	21.85	21.93	21.99
5	16QAM	12	0	20.77	20.77	20.87
5	16QAM	12	7	20.74	20.84	20.83
5	16QAM	12	13	20.59	20.78	20.57
5	16QAM	25	0	20.56	20.71	20.74
5	64QAM	1	0	20.78	20.86	20.80
5	64QAM	1	12	20.77	20.91	20.74
5	64QAM	1	24	20.57	20.74	20.65
5	64QAM	12	0	19.75	19.91	19.80
5	64QAM	12	7	19.59	19.84	19.59
5	64QAM	12	13	19.54	19.80	19.60
5	64QAM	25	0	19.55	19.60	19.63



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	22.78	22.82	22.76
3	QPSK	1	8	22.66	22.78	22.73
3	QPSK	1	14	22.67	22.66	22.70
3	QPSK	8	0	21.83	21.80	21.61
3	QPSK	8	4	21.88	21.88	21.63
3	QPSK	8	7	21.74	21.66	21.59
3	QPSK	15	0	21.67	21.84	21.72
3	16QAM	1	0	22.05	22.07	22.03
3	16QAM	1	8	22.00	21.91	22.04
3	16QAM	1	14	21.96	22.01	21.97
3	16QAM	8	0	20.68	20.78	20.84
3	16QAM	8	4	20.71	20.76	20.82
3	16QAM	8	7	20.60	20.59	20.72
3	16QAM	15	0	20.57	20.74	20.68
3	64QAM	1	0	20.85	20.89	20.81
3	64QAM	1	8	20.63	20.83	20.81
3	64QAM	1	14	20.80	20.71	20.78
3	64QAM	8	0	19.79	19.86	19.68
3	64QAM	8	4	19.61	19.85	19.60
3	64QAM	8	7	19.55	19.59	19.69
3	64QAM	15	0	19.53	19.64	19.75



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	22.73	22.80	22.72
1.4	QPSK	1	3	22.75	22.74	22.69
1.4	QPSK	1	5	22.67	22.68	22.64
1.4	QPSK	3	0	21.78	21.98	21.75
1.4	QPSK	3	1	21.88	21.80	21.74
1.4	QPSK	3	3	21.75	21.79	21.70
1.4	QPSK	6	0	21.64	21.68	21.64
1.4	16QAM	1	0	22.03	22.07	22.04
1.4	16QAM	1	3	22.08	21.99	21.83
1.4	16QAM	1	5	22.02	22.04	21.87
1.4	16QAM	3	0	20.64	20.74	20.85
1.4	16QAM	3	1	20.62	20.64	20.74
1.4	16QAM	3	3	20.59	20.64	20.69
1.4	16QAM	6	0	20.73	20.60	20.72
1.4	64QAM	1	0	20.82	20.97	20.90
1.4	64QAM	1	3	20.71	20.97	20.80
1.4	64QAM	1	5	20.62	20.90	20.66
1.4	64QAM	3	0	19.67	19.69	19.72
1.4	64QAM	3	1	19.71	19.72	19.56
1.4	64QAM	3	3	19.55	19.79	19.53
1.4	64QAM	6	0	19.56	19.59	19.63



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	22.98	23.05	23.01
10	QPSK	1	25	23.00	22.99	22.86
10	QPSK	1	49	22.93	22.91	22.85
10	QPSK	25	0	21.95	21.97	21.92
10	QPSK	25	12	21.90	21.97	21.79
10	QPSK	25	25	21.86	21.86	21.78
10	QPSK	50	0	21.86	21.85	21.78
10	16QAM	1	0	22.37	22.27	22.17
10	16QAM	1	25	22.20	22.22	22.18
10	16QAM	1	49	22.16	22.19	22.24
10	16QAM	25	0	20.98	21.08	21.11
10	16QAM	25	12	20.85	21.05	21.03
10	16QAM	25	25	20.89	20.88	20.86
10	16QAM	50	0	20.92	20.99	20.91
10	64QAM	1	0	20.94	21.15	20.98
10	64QAM	1	25	20.81	21.04	20.94
10	64QAM	1	49	20.97	20.95	21.03
10	64QAM	25	0	19.81	20.05	19.81
10	64QAM	25	12	19.69	19.98	19.72
10	64QAM	25	25	19.71	19.96	19.70
10	64QAM	50	0	19.62	19.79	19.89



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	23.00	23.01	22.95
5	QPSK	1	12	22.94	22.98	22.99
5	QPSK	1	24	22.88	22.85	22.90
5	QPSK	12	0	22.13	22.19	22.03
5	QPSK	12	7	22.02	22.05	21.95
5	QPSK	12	13	21.81	21.96	21.83
5	QPSK	25	0	21.94	22.03	22.00
5	16QAM	1	0	22.16	22.25	22.25
5	16QAM	1	12	22.30	22.13	22.21
5	16QAM	1	24	22.02	22.20	22.17
5	16QAM	12	0	21.03	21.00	21.07
5	16QAM	12	7	20.93	20.97	21.08
5	16QAM	12	13	20.81	20.85	20.85
5	16QAM	25	0	20.79	20.80	20.88
5	64QAM	1	0	20.94	20.99	21.10
5	64QAM	1	12	20.88	20.96	20.88
5	64QAM	1	24	20.80	21.04	21.01
5	64QAM	12	0	19.78	19.96	19.97
5	64QAM	12	7	19.88	20.00	19.80
5	64QAM	12	13	19.65	19.79	19.81
5	64QAM	25	0	19.66	19.79	19.83



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	23.01	23.02	22.88
3	QPSK	1	8	23.00	22.97	22.93
3	QPSK	1	14	22.97	22.85	22.78
3	QPSK	8	0	21.99	22.08	21.91
3	QPSK	8	4	21.96	21.91	21.87
3	QPSK	8	7	21.82	21.87	21.80
3	QPSK	15	0	21.81	21.99	21.93
3	16QAM	1	0	22.25	22.33	22.15
3	16QAM	1	8	22.19	22.22	22.04
3	16QAM	1	14	22.00	22.25	22.09
3	16QAM	8	0	20.83	20.93	20.97
3	16QAM	8	4	20.93	20.95	20.99
3	16QAM	8	7	20.85	20.82	20.90
3	16QAM	15	0	20.84	20.81	20.87
3	64QAM	1	0	20.89	21.04	21.09
3	64QAM	1	8	20.81	21.06	21.04
3	64QAM	1	14	20.87	21.02	20.83
3	64QAM	8	0	19.98	20.10	20.00
3	64QAM	8	4	19.81	19.93	19.82
3	64QAM	8	7	19.87	19.94	19.84
3	64QAM	15	0	19.72	19.99	19.84



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	22.95	23.00	22.93
1.4	QPSK	1	3	22.91	22.85	22.90
1.4	QPSK	1	5	22.89	22.92	22.81
1.4	QPSK	3	0	22.03	22.09	21.84
1.4	QPSK	3	1	22.08	21.90	21.84
1.4	QPSK	3	3	21.82	22.01	21.81
1.4	QPSK	6	0	21.90	21.87	21.95
1.4	16QAM	1	0	22.16	22.37	22.25
1.4	16QAM	1	3	22.34	22.21	22.04
1.4	16QAM	1	5	22.09	22.15	22.09
1.4	16QAM	3	0	20.82	21.11	21.12
1.4	16QAM	3	1	20.83	21.03	21.08
1.4	16QAM	3	3	20.81	20.89	20.88
1.4	16QAM	6	0	20.91	20.97	20.83
1.4	64QAM	1	0	21.09	21.17	21.07
1.4	64QAM	1	3	20.94	21.13	20.93
1.4	64QAM	1	5	20.93	20.88	21.03
1.4	64QAM	3	0	19.89	20.08	20.03
1.4	64QAM	3	1	19.91	19.95	19.81
1.4	64QAM	3	3	19.85	20.00	19.83
1.4	64QAM	6	0	19.85	20.02	19.93



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	22.70	22.74	22.93
20	QPSK	1	49	22.55	22.65	22.90
20	QPSK	1	99	22.62	22.59	22.79
20	QPSK	50	0	21.71	21.75	21.88
20	QPSK	50	24	21.51	21.56	21.76
20	QPSK	50	50	21.56	21.58	21.81
20	QPSK	100	0	21.51	21.54	21.79
20	16QAM	1	0	21.83	21.87	22.04
20	16QAM	1	49	21.85	21.82	21.96
20	16QAM	1	99	21.82	21.76	21.95
20	16QAM	50	0	20.63	20.60	20.86
20	16QAM	50	24	20.59	20.71	20.83
20	16QAM	50	50	20.53	20.55	20.69
20	16QAM	100	0	20.62	20.51	20.77
20	64QAM	1	0	20.68	20.71	20.99
20	64QAM	1	49	20.62	20.62	21.00
20	64QAM	1	99	20.66	20.63	20.81
20	64QAM	50	0	19.61	19.72	19.86
20	64QAM	50	24	19.58	19.69	19.70
20	64QAM	50	50	19.53	19.54	19.83
20	64QAM	100	0	19.56	19.58	19.72



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	22.68	22.70	22.90
15	QPSK	1	37	22.60	22.59	22.85
15	QPSK	1	74	22.55	22.61	22.74
15	QPSK	36	0	21.75	21.77	21.85
15	QPSK	36	20	21.54	21.54	21.76
15	QPSK	36	39	21.56	21.59	21.82
15	QPSK	75	0	21.64	21.58	21.80
15	16QAM	1	0	21.99	21.98	22.03
15	16QAM	1	37	21.97	21.78	21.93
15	16QAM	1	74	21.73	21.94	22.01
15	16QAM	36	0	20.63	20.62	20.87
15	16QAM	36	20	20.68	20.62	20.75
15	16QAM	36	39	20.55	20.53	20.85
15	16QAM	75	0	20.60	20.56	20.75
15	64QAM	1	0	20.74	20.82	20.94
15	64QAM	1	37	20.63	20.75	21.05
15	64QAM	1	74	20.68	20.59	20.81
15	64QAM	36	0	19.55	19.72	19.83
15	64QAM	36	20	19.47	19.50	19.65
15	64QAM	36	39	19.59	19.53	19.73
15	64QAM	75	0	19.55	19.57	19.68



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	22.61	22.69	22.89
10	QPSK	1	25	22.59	22.53	22.80
10	QPSK	1	49	22.60	22.57	22.72
10	QPSK	25	0	21.72	21.74	21.86
10	QPSK	25	12	21.65	21.73	21.84
10	QPSK	25	25	21.57	21.65	21.69
10	QPSK	50	0	21.62	21.56	21.68
10	16QAM	1	0	21.88	21.95	22.09
10	16QAM	1	25	21.80	21.87	22.08
10	16QAM	1	49	21.71	21.69	22.05
10	16QAM	25	0	20.68	20.75	20.90
10	16QAM	25	12	20.53	20.55	20.89
10	16QAM	25	25	20.56	20.61	20.89
10	16QAM	50	0	20.53	20.59	20.85
10	64QAM	1	0	20.66	20.69	20.83
10	64QAM	1	25	20.59	20.75	20.82
10	64QAM	1	49	20.60	20.67	20.89
10	64QAM	25	0	19.61	19.75	19.80
10	64QAM	25	12	19.60	19.69	19.64
10	64QAM	25	25	19.55	19.55	19.70
10	64QAM	50	0	19.52	19.56	19.67



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	22.68	22.71	22.86
5	QPSK	1	12	22.61	22.63	22.84
5	QPSK	1	24	22.65	22.62	22.78
5	QPSK	12	0	21.67	21.72	21.84
5	QPSK	12	7	21.71	21.69	21.82
5	QPSK	12	13	21.55	21.60	21.68
5	QPSK	25	0	21.61	21.68	21.74
5	16QAM	1	0	21.85	21.89	22.05
5	16QAM	1	12	21.79	21.78	22.03
5	16QAM	1	24	21.86	21.72	21.99
5	16QAM	12	0	20.58	20.63	20.86
5	16QAM	12	7	20.51	20.53	20.81
5	16QAM	12	13	20.60	20.58	20.67
5	16QAM	25	0	20.57	20.53	20.77
5	64QAM	1	0	20.71	20.72	20.83
5	64QAM	1	12	20.62	20.70	20.78
5	64QAM	1	24	20.55	20.67	20.79
5	64QAM	12	0	19.65	19.58	19.88
5	64QAM	12	7	19.53	19.56	19.79
5	64QAM	12	13	19.53	19.55	19.60
5	64QAM	25	0	19.59	19.68	19.69



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	24.07	24.12	24.09
10	QPSK	1	25	23.87	23.89	23.84
10	QPSK	1	49	23.90	24.02	24.05
10	QPSK	25	0	23.06	23.15	23.10
10	QPSK	25	12	22.86	23.01	22.91
10	QPSK	25	25	22.87	22.95	22.91
10	QPSK	50	0	22.79	22.98	22.91
10	16QAM	1	0	23.22	23.33	23.18
10	16QAM	1	25	23.05	23.07	23.05
10	16QAM	1	49	23.10	23.23	23.00
10	16QAM	25	0	21.77	22.00	21.84
10	16QAM	25	12	21.73	22.04	22.00
10	16QAM	25	25	21.84	21.71	21.82
10	16QAM	50	0	21.78	21.89	21.78
10	64QAM	1	0	21.78	22.15	21.86
10	64QAM	1	25	21.86	22.13	22.00
10	64QAM	1	49	21.91	21.89	21.80
10	64QAM	25	0	20.86	21.02	20.85
10	64QAM	25	12	20.81	20.82	20.90
10	64QAM	25	25	20.72	20.87	20.85
10	64QAM	50	0	20.72	20.74	20.78



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.99	24.07	24.01
5	QPSK	1	12	23.91	24.01	23.93
5	QPSK	1	24	23.93	23.83	23.87
5	QPSK	12	0	22.82	23.02	22.96
5	QPSK	12	7	22.79	22.98	22.92
5	QPSK	12	13	22.79	22.74	22.83
5	QPSK	25	0	22.70	22.79	22.84
5	16QAM	1	0	23.06	23.27	23.22
5	16QAM	1	12	23.16	23.23	23.03
5	16QAM	1	24	23.14	23.14	23.07
5	16QAM	12	0	21.79	22.06	21.87
5	16QAM	12	7	21.82	21.89	21.88
5	16QAM	12	13	21.81	21.79	21.81
5	16QAM	25	0	21.82	21.81	21.80
5	64QAM	1	0	21.85	22.06	22.00
5	64QAM	1	12	21.80	22.08	21.97
5	64QAM	1	24	21.86	22.07	21.82
5	64QAM	12	0	20.89	21.04	20.99
5	64QAM	12	7	20.83	20.86	20.83
5	64QAM	12	13	20.77	20.78	20.67
5	64QAM	25	0	20.65	20.83	20.82



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	24.02	24.09	24.05
3	QPSK	1	8	23.97	24.05	24.00
3	QPSK	1	14	23.75	23.90	23.73
3	QPSK	8	0	23.01	23.06	22.95
3	QPSK	8	4	22.88	22.87	22.79
3	QPSK	8	7	22.88	22.82	22.74
3	QPSK	15	0	22.79	22.85	22.82
3	16QAM	1	0	23.22	23.21	23.26
3	16QAM	1	8	23.03	23.06	23.05
3	16QAM	1	14	23.05	23.24	23.14
3	16QAM	8	0	21.75	22.07	21.95
3	16QAM	8	4	21.89	21.83	21.96
3	16QAM	8	7	21.83	21.84	21.71
3	16QAM	15	0	21.69	21.73	21.71
3	64QAM	1	0	21.97	22.02	21.92
3	64QAM	1	8	21.89	22.13	21.90
3	64QAM	1	14	21.83	21.90	22.02
3	64QAM	8	0	20.76	20.91	20.85
3	64QAM	8	4	20.65	20.93	20.75
3	64QAM	8	7	20.72	20.79	20.68
3	64QAM	15	0	20.84	20.90	20.93



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	24.03	24.08	23.99
1.4	QPSK	1	3	23.89	23.98	23.89
1.4	QPSK	1	5	23.81	23.87	23.76
1.4	QPSK	3	0	22.86	23.00	22.96
1.4	QPSK	3	1	22.80	23.05	22.90
1.4	QPSK	3	3	22.80	22.88	22.91
1.4	QPSK	6	0	22.80	22.99	22.88
1.4	16QAM	1	0	23.07	23.24	23.17
1.4	16QAM	1	3	23.08	23.03	23.08
1.4	16QAM	1	5	22.90	23.15	23.03
1.4	16QAM	3	0	21.91	22.04	22.01
1.4	16QAM	3	1	21.90	21.90	21.92
1.4	16QAM	3	3	21.85	21.84	21.87
1.4	16QAM	6	0	21.78	21.92	21.75
1.4	64QAM	1	0	21.98	21.91	22.00
1.4	64QAM	1	3	21.72	22.03	21.98
1.4	64QAM	1	5	21.72	21.92	21.98
1.4	64QAM	3	0	20.89	21.06	20.88
1.4	64QAM	3	1	20.91	20.83	20.81
1.4	64QAM	3	3	20.83	20.82	20.84
1.4	64QAM	6	0	20.74	20.94	20.69



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	23230	/
Frequency (MHz)				/	782	/
10	QPSK	1	0	/	24.03	/
10	QPSK	1	25	/	23.95	/
10	QPSK	1	49	/	23.88	/
10	QPSK	25	0	/	22.96	/
10	QPSK	25	12	/	22.84	/
10	QPSK	25	25	/	22.88	/
10	QPSK	50	0	/	22.74	/
10	16QAM	1	0	/	23.11	/
10	16QAM	1	25	/	23.03	/
10	16QAM	1	49	/	22.98	/
10	16QAM	25	0	/	21.94	/
10	16QAM	25	12	/	21.90	/
10	16QAM	25	25	/	21.80	/
10	16QAM	50	0	/	21.99	/
10	64QAM	1	0	/	21.95	/
10	64QAM	1	25	/	21.87	/
10	64QAM	1	49	/	21.96	/
10	64QAM	25	0	/	20.92	/
10	64QAM	25	12	/	20.75	/
10	64QAM	25	25	/	20.84	/
10	64QAM	50	0	/	20.78	/



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	23.94	23.99	23.92
5	QPSK	1	12	23.89	23.96	23.88
5	QPSK	1	24	23.73	23.84	23.86
5	QPSK	12	0	22.83	23.08	22.96
5	QPSK	12	7	22.83	23.01	22.95
5	QPSK	12	13	22.77	22.85	22.79
5	QPSK	25	0	22.81	22.77	22.83
5	16QAM	1	0	23.22	23.15	23.07
5	16QAM	1	12	23.22	23.15	23.23
5	16QAM	1	24	23.14	23.19	23.03
5	16QAM	12	0	21.88	21.90	22.00
5	16QAM	12	7	21.85	22.02	21.84
5	16QAM	12	13	21.84	21.78	21.87
5	16QAM	25	0	21.67	21.79	21.74
5	64QAM	1	0	21.77	21.93	22.02
5	64QAM	1	12	21.71	22.05	22.02
5	64QAM	1	24	21.79	21.91	21.92
5	64QAM	12	0	20.88	20.91	20.95
5	64QAM	12	7	20.79	20.87	20.85
5	64QAM	12	13	20.75	20.70	20.80
5	64QAM	25	0	20.72	20.93	20.87



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	22.85	22.97	22.93
20	QPSK	1	49	22.79	22.91	22.86
20	QPSK	1	99	22.68	22.89	22.74
20	QPSK	50	0	21.83	21.92	21.87
20	QPSK	50	24	21.83	21.91	21.82
20	QPSK	50	50	21.85	21.75	21.77
20	QPSK	100	0	21.75	21.82	21.83
20	16QAM	1	0	21.98	22.07	22.06
20	16QAM	1	49	22.02	21.95	21.89
20	16QAM	1	99	21.87	21.96	22.03
20	16QAM	50	0	20.88	20.95	20.90
20	16QAM	50	24	20.70	20.87	20.95
20	16QAM	50	50	20.71	20.77	20.73
20	16QAM	100	0	20.70	20.73	20.75
20	64QAM	1	0	20.81	20.92	20.85
20	64QAM	1	49	20.75	20.89	20.92
20	64QAM	1	99	20.67	20.88	20.82
20	64QAM	50	0	19.72	19.86	19.82
20	64QAM	50	24	19.57	19.78	19.69
20	64QAM	50	50	19.71	19.82	19.59
20	64QAM	100	0	19.59	19.82	19.84



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	22.81	22.94	22.90
15	QPSK	1	37	22.72	22.83	22.68
15	QPSK	1	74	22.71	22.66	22.63
15	QPSK	36	0	21.78	21.96	21.87
15	QPSK	36	20	21.80	21.78	21.70
15	QPSK	36	39	21.70	21.86	21.73
15	QPSK	75	0	21.74	21.73	21.75
15	16QAM	1	0	22.01	22.09	22.05
15	16QAM	1	37	22.03	22.00	21.91
15	16QAM	1	74	21.97	21.96	22.06
15	16QAM	36	0	20.83	20.93	20.95
15	16QAM	36	20	20.78	20.86	20.78
15	16QAM	36	39	20.73	20.81	20.85
15	16QAM	75	0	20.66	20.78	20.82
15	64QAM	1	0	20.84	20.97	20.90
15	64QAM	1	37	20.67	20.91	20.80
15	64QAM	1	74	20.73	20.84	20.82
15	64QAM	36	0	19.84	19.90	19.85
15	64QAM	36	20	19.63	19.67	19.57
15	64QAM	36	39	19.72	19.61	19.74
15	64QAM	75	0	19.68	19.79	19.59



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	22.84	22.90	22.86
10	QPSK	1	25	22.83	22.86	22.72
10	QPSK	1	49	22.73	22.85	22.61
10	QPSK	25	0	21.79	21.93	21.90
10	QPSK	25	12	21.86	21.83	21.71
10	QPSK	25	25	21.63	21.72	21.80
10	QPSK	50	0	21.75	21.77	21.83
10	16QAM	1	0	22.02	22.10	22.09
10	16QAM	1	25	21.92	22.03	21.96
10	16QAM	1	49	21.94	22.04	22.07
10	16QAM	25	0	20.78	20.96	20.92
10	16QAM	25	12	20.71	20.88	20.95
10	16QAM	25	25	21.69	20.66	20.71
10	16QAM	50	0	20.84	20.70	20.80
10	64QAM	1	0	20.79	20.87	20.89
10	64QAM	1	25	20.87	20.90	20.79
10	64QAM	1	49	20.71	20.97	20.69
10	64QAM	25	0	19.79	19.87	19.84
10	64QAM	25	12	19.72	19.79	19.63
10	64QAM	25	25	19.62	19.68	19.81
10	64QAM	50	0	19.66	19.73	19.76



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	22.79	22.91	22.85
5	QPSK	1	12	22.73	22.90	22.75
5	QPSK	1	24	22.79	22.80	22.63
5	QPSK	12	0	21.90	21.94	21.90
5	QPSK	12	7	21.84	21.93	21.69
5	QPSK	12	13	21.72	21.74	21.71
5	QPSK	25	0	21.83	21.88	21.66
5	16QAM	1	0	22.08	22.10	22.07
5	16QAM	1	12	21.96	22.03	22.02
5	16QAM	1	24	22.03	22.05	21.96
5	16QAM	12	0	20.85	20.81	20.79
5	16QAM	12	7	20.82	20.91	20.71
5	16QAM	12	13	20.75	20.74	20.65
5	16QAM	25	0	20.66	20.88	20.63
5	64QAM	1	0	20.96	20.91	20.86
5	64QAM	1	12	20.92	20.84	20.80
5	64QAM	1	24	20.79	20.79	20.73
5	64QAM	12	0	19.61	19.84	19.77
5	64QAM	12	7	19.78	19.67	19.56
5	64QAM	12	13	19.64	19.70	19.57
5	64QAM	25	0	19.59	19.80	19.80



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	22.83	22.92	22.87
3	QPSK	1	8	22.86	22.85	22.81
3	QPSK	1	14	22.76	22.66	22.64
3	QPSK	8	0	21.90	21.92	21.77
3	QPSK	8	4	21.71	21.78	21.79
3	QPSK	8	7	21.64	21.73	21.65
3	QPSK	15	0	21.88	21.87	21.70
3	16QAM	1	0	22.05	22.10	21.98
3	16QAM	1	8	21.99	22.08	21.93
3	16QAM	1	14	21.86	21.99	21.98
3	16QAM	8	0	20.82	20.78	20.87
3	16QAM	8	4	20.87	20.92	20.80
3	16QAM	8	7	20.67	20.60	20.82
3	16QAM	15	0	20.82	20.65	20.66
3	64QAM	1	0	20.92	21.06	20.92
3	64QAM	1	8	20.82	20.93	20.72
3	64QAM	1	14	20.77	20.97	20.72
3	64QAM	8	0	19.68	19.99	19.80
3	64QAM	8	4	19.63	19.90	19.65
3	64QAM	8	7	19.66	19.75	19.67
3	64QAM	15	0	19.64	19.64	19.65



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	22.84	22.89	22.81
1.4	QPSK	1	3	22.87	22.82	22.67
1.4	QPSK	1	5	22.71	22.77	22.62
1.4	QPSK	3	0	21.86	21.86	21.89
1.4	QPSK	3	1	21.81	21.85	21.81
1.4	QPSK	3	3	21.79	21.77	21.80
1.4	QPSK	6	0	21.77	21.70	21.65
1.4	16QAM	1	0	22.00	22.08	22.02
1.4	16QAM	1	3	22.06	22.07	22.01
1.4	16QAM	1	5	22.00	21.93	22.05
1.4	16QAM	3	0	20.78	20.89	20.84
1.4	16QAM	3	1	20.76	20.92	20.96
1.4	16QAM	3	3	20.79	20.86	20.81
1.4	16QAM	6	0	20.84	20.83	20.67
1.4	64QAM	1	0	20.72	20.89	20.77
1.4	64QAM	1	3	20.84	20.86	20.72
1.4	64QAM	1	5	20.72	20.89	20.84
1.4	64QAM	3	0	19.82	19.86	19.74
1.4	64QAM	3	1	19.60	19.90	19.54
1.4	64QAM	3	3	19.55	19.82	19.59
1.4	64QAM	6	0	19.59	19.64	19.77

**Effective Radiated Power and Effective Isotropic Radiated Power**

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.16	0.261	24.22	0.264	24.13	0.259
20	QPSK	1	49	24.10	0.257	24.11	0.258	23.94	0.248
20	QPSK	1	99	24.03	0.253	24.08	0.256	23.90	0.245
20	QPSK	50	0	23.10	0.204	23.16	0.207	23.08	0.203
20	QPSK	50	24	23.07	0.203	23.01	0.200	22.89	0.195
20	QPSK	50	50	22.99	0.199	22.90	0.195	22.95	0.197
20	QPSK	100	0	23.03	0.201	22.94	0.197	22.90	0.195
20	16QAM	1	0	23.27	0.212	23.30	0.214	23.26	0.212
20	16QAM	1	49	23.23	0.210	23.22	0.210	23.17	0.207
20	16QAM	1	99	23.24	0.211	23.18	0.208	23.19	0.208
20	16QAM	50	0	22.06	0.161	22.05	0.160	22.03	0.160
20	16QAM	50	24	22.02	0.159	21.98	0.158	21.99	0.158
20	16QAM	50	50	21.94	0.156	21.87	0.154	21.89	0.155
20	16QAM	100	0	21.97	0.157	21.92	0.156	21.90	0.155
20	64QAM	1	0	22.09	0.162	22.27	0.169	22.04	0.160
20	64QAM	1	49	22.05	0.160	22.07	0.161	22.00	0.158
20	64QAM	1	99	22.00	0.158	22.02	0.159	21.96	0.157
20	64QAM	50	0	20.99	0.126	21.02	0.126	20.94	0.124
20	64QAM	50	24	20.93	0.124	20.95	0.124	20.79	0.120
20	64QAM	50	50	20.86	0.122	20.89	0.123	20.84	0.121
20	64QAM	100	0	20.85	0.122	20.92	0.124	20.87	0.122



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.11	0.258	24.18	0.262	24.06	0.255
15	QPSK	1	37	23.97	0.249	24.00	0.251	23.81	0.240
15	QPSK	1	74	23.94	0.248	23.83	0.242	23.89	0.245
15	QPSK	36	0	23.04	0.201	23.09	0.204	23.05	0.202
15	QPSK	36	20	23.07	0.203	22.97	0.198	22.92	0.196
15	QPSK	36	39	22.84	0.192	22.89	0.195	22.86	0.193
15	QPSK	75	0	22.97	0.198	23.03	0.201	22.82	0.191
15	16QAM	1	0	23.28	0.213	23.31	0.214	23.23	0.210
15	16QAM	1	37	23.20	0.209	23.19	0.208	23.12	0.205
15	16QAM	1	74	23.26	0.212	23.10	0.204	23.11	0.205
15	16QAM	36	0	22.15	0.164	21.95	0.157	21.99	0.158
15	16QAM	36	20	21.92	0.156	21.84	0.153	22.08	0.161
15	16QAM	36	39	21.99	0.158	21.82	0.152	21.91	0.155
15	16QAM	75	0	21.92	0.156	21.89	0.155	21.89	0.155
15	64QAM	1	0	22.10	0.162	22.23	0.167	22.08	0.161
15	64QAM	1	37	22.15	0.164	22.06	0.161	21.91	0.155
15	64QAM	1	74	22.04	0.160	21.97	0.157	21.95	0.157
15	64QAM	36	0	20.96	0.125	21.10	0.129	20.84	0.121
15	64QAM	36	20	20.86	0.122	20.81	0.121	20.84	0.121
15	64QAM	36	39	20.94	0.124	20.92	0.124	20.93	0.124
15	64QAM	75	0	20.82	0.121	21.02	0.126	20.87	0.122



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.04	0.254	24.15	0.260	24.08	0.256
10	QPSK	1	25	24.02	0.252	24.09	0.256	23.96	0.249
10	QPSK	1	49	23.90	0.245	23.87	0.244	23.82	0.241
10	QPSK	25	0	23.07	0.203	23.09	0.204	22.82	0.191
10	QPSK	25	12	23.03	0.201	22.86	0.193	22.86	0.193
10	QPSK	25	25	22.92	0.196	22.93	0.196	22.83	0.192
10	QPSK	50	0	22.90	0.195	22.95	0.197	22.83	0.192
10	16QAM	1	0	23.26	0.212	23.32	0.215	23.18	0.208
10	16QAM	1	25	23.23	0.210	23.25	0.211	23.19	0.208
10	16QAM	1	49	23.24	0.211	23.04	0.201	23.14	0.206
10	16QAM	25	0	21.98	0.158	21.95	0.157	22.00	0.158
10	16QAM	25	12	21.99	0.158	21.92	0.156	22.07	0.161
10	16QAM	25	25	22.00	0.158	21.96	0.157	21.93	0.156
10	16QAM	50	0	21.99	0.158	21.89	0.155	21.98	0.158
10	64QAM	1	0	22.13	0.163	22.08	0.161	21.89	0.155
10	64QAM	1	25	22.03	0.160	22.17	0.165	22.04	0.160
10	64QAM	1	49	21.92	0.156	21.92	0.156	21.97	0.157
10	64QAM	25	0	20.98	0.125	21.08	0.128	20.93	0.124
10	64QAM	25	12	20.98	0.125	21.03	0.127	20.90	0.123
10	64QAM	25	25	20.86	0.122	20.93	0.124	20.88	0.122
10	64QAM	50	0	20.92	0.124	20.95	0.124	20.91	0.123



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.08	0.256	24.14	0.259	23.97	0.249
5	QPSK	1	12	23.99	0.251	24.02	0.252	24.02	0.252
5	QPSK	1	24	23.98	0.250	23.85	0.243	23.79	0.239
5	QPSK	12	0	23.12	0.205	23.05	0.202	22.92	0.196
5	QPSK	12	7	23.01	0.200	22.91	0.195	22.90	0.195
5	QPSK	12	13	22.88	0.194	22.93	0.196	22.94	0.197
5	QPSK	25	0	22.92	0.196	22.98	0.199	22.96	0.198
5	16QAM	1	0	23.29	0.213	23.29	0.213	23.15	0.207
5	16QAM	1	12	23.23	0.210	23.22	0.210	23.14	0.206
5	16QAM	1	24	23.25	0.211	23.04	0.201	23.08	0.203
5	16QAM	12	0	22.02	0.159	22.11	0.163	21.95	0.157
5	16QAM	12	7	22.03	0.160	22.04	0.160	21.95	0.157
5	16QAM	12	13	21.91	0.155	21.84	0.153	21.89	0.155
5	16QAM	25	0	21.89	0.155	21.90	0.155	21.91	0.155
5	64QAM	1	0	22.09	0.162	21.96	0.157	21.91	0.155
5	64QAM	1	12	22.08	0.161	22.08	0.161	22.00	0.158
5	64QAM	1	24	21.94	0.156	22.05	0.160	21.98	0.158
5	64QAM	12	0	20.93	0.124	21.02	0.126	21.04	0.127
5	64QAM	12	7	20.91	0.123	20.97	0.125	20.88	0.122
5	64QAM	12	13	20.86	0.122	20.98	0.125	20.87	0.122
5	64QAM	25	0	20.91	0.123	21.01	0.126	20.96	0.125



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.07	0.255	24.15	0.260	23.94	0.248
3	QPSK	1	8	24.00	0.251	24.08	0.256	23.90	0.245
3	QPSK	1	14	23.94	0.248	23.97	0.249	23.86	0.243
3	QPSK	8	0	23.21	0.209	23.13	0.206	23.05	0.202
3	QPSK	8	4	23.12	0.205	23.05	0.202	22.85	0.193
3	QPSK	8	7	22.98	0.199	22.93	0.196	22.88	0.194
3	QPSK	15	0	23.03	0.201	22.96	0.198	22.87	0.194
3	16QAM	1	0	23.28	0.213	23.27	0.212	23.12	0.205
3	16QAM	1	8	23.22	0.210	23.21	0.209	23.15	0.207
3	16QAM	1	14	23.27	0.212	23.15	0.207	23.05	0.202
3	16QAM	8	0	21.95	0.157	21.95	0.157	21.88	0.154
3	16QAM	8	4	22.01	0.159	21.84	0.153	22.03	0.160
3	16QAM	8	7	21.92	0.156	21.85	0.153	21.81	0.152
3	16QAM	15	0	21.84	0.153	21.86	0.153	21.85	0.153
3	64QAM	1	0	21.98	0.158	22.01	0.159	22.12	0.163
3	64QAM	1	8	21.95	0.157	21.99	0.158	21.91	0.155
3	64QAM	1	14	22.09	0.162	22.09	0.162	21.86	0.153
3	64QAM	8	0	20.84	0.121	21.08	0.128	20.99	0.126
3	64QAM	8	4	21.00	0.126	20.83	0.121	20.89	0.123
3	64QAM	8	7	20.79	0.120	20.80	0.120	20.83	0.121
3	64QAM	15	0	20.83	0.121	20.90	0.123	20.95	0.124



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.06	0.255	24.13	0.259	24.01	0.252
1.4	QPSK	1	3	23.98	0.250	23.89	0.245	23.82	0.241
1.4	QPSK	1	5	23.97	0.249	23.96	0.249	23.84	0.242
1.4	QPSK	3	0	23.08	0.203	23.18	0.208	23.03	0.201
1.4	QPSK	3	1	23.04	0.201	23.07	0.203	23.01	0.200
1.4	QPSK	3	3	23.06	0.202	23.02	0.200	22.99	0.199
1.4	QPSK	6	0	22.93	0.196	22.98	0.199	22.93	0.196
1.4	16QAM	1	0	23.26	0.212	23.30	0.214	23.24	0.211
1.4	16QAM	1	3	23.20	0.209	23.22	0.210	23.10	0.204
1.4	16QAM	1	5	23.20	0.209	23.16	0.207	23.25	0.211
1.4	16QAM	3	0	22.14	0.164	21.92	0.156	21.90	0.155
1.4	16QAM	3	1	22.05	0.160	21.90	0.155	21.89	0.155
1.4	16QAM	3	3	22.02	0.159	21.88	0.154	21.98	0.158
1.4	16QAM	6	0	21.99	0.158	21.88	0.154	21.93	0.156
1.4	64QAM	1	0	22.11	0.163	21.98	0.158	21.89	0.155
1.4	64QAM	1	3	22.13	0.163	21.92	0.156	21.96	0.157
1.4	64QAM	1	5	22.03	0.160	22.02	0.159	22.01	0.159
1.4	64QAM	3	0	20.88	0.122	20.96	0.125	20.99	0.126
1.4	64QAM	3	1	20.83	0.121	20.84	0.121	20.98	0.125
1.4	64QAM	3	3	20.96	0.125	20.91	0.123	20.91	0.123
1.4	64QAM	6	0	20.88	0.122	20.84	0.121	20.85	0.122



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.63	0.231	23.70	0.234	23.65	0.232
20	QPSK	1	49	23.61	0.230	23.59	0.229	23.59	0.229
20	QPSK	1	99	23.53	0.225	23.64	0.231	23.55	0.226
20	QPSK	50	0	22.65	0.184	22.74	0.188	22.68	0.185
20	QPSK	50	24	22.71	0.187	22.54	0.179	22.53	0.179
20	QPSK	50	50	22.57	0.181	22.60	0.182	22.47	0.177
20	QPSK	100	0	22.53	0.179	22.56	0.180	22.62	0.183
20	16QAM	1	0	22.79	0.190	22.94	0.197	22.83	0.192
20	16QAM	1	49	22.80	0.191	22.87	0.194	22.72	0.187
20	16QAM	1	99	22.72	0.187	22.83	0.192	22.79	0.190
20	16QAM	50	0	21.71	0.148	21.74	0.149	21.54	0.143
20	16QAM	50	24	21.58	0.144	21.52	0.142	21.60	0.145
20	16QAM	50	50	21.47	0.140	21.54	0.143	21.58	0.144
20	16QAM	100	0	21.39	0.138	21.66	0.147	21.48	0.141
20	64QAM	1	0	21.70	0.148	21.85	0.153	21.71	0.148
20	64QAM	1	49	21.57	0.144	21.58	0.144	21.74	0.149
20	64QAM	1	99	21.59	0.144	21.58	0.144	21.71	0.148
20	64QAM	50	0	20.59	0.115	20.68	0.117	20.66	0.116
20	64QAM	50	24	20.53	0.113	20.67	0.117	20.45	0.111
20	64QAM	50	50	20.50	0.112	20.48	0.112	20.49	0.112
20	64QAM	100	0	20.49	0.112	20.63	0.116	20.54	0.113



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.65	0.232	23.67	0.233	23.59	0.229
15	QPSK	1	37	23.63	0.231	23.63	0.231	23.55	0.226
15	QPSK	1	74	23.48	0.223	23.59	0.229	23.54	0.226
15	QPSK	36	0	22.69	0.186	22.72	0.187	22.54	0.179
15	QPSK	36	20	22.51	0.178	22.71	0.187	22.48	0.177
15	QPSK	36	39	22.56	0.180	22.43	0.175	22.39	0.173
15	QPSK	75	0	22.58	0.181	22.57	0.181	22.60	0.182
15	16QAM	1	0	22.83	0.192	22.91	0.195	22.80	0.191
15	16QAM	1	37	22.73	0.187	22.89	0.195	22.71	0.187
15	16QAM	1	74	22.82	0.191	22.69	0.186	22.85	0.193
15	16QAM	36	0	21.70	0.148	21.75	0.150	21.54	0.143
15	16QAM	36	20	21.49	0.141	21.54	0.143	21.49	0.141
15	16QAM	36	39	21.37	0.137	21.61	0.145	21.56	0.143
15	16QAM	75	0	21.51	0.142	21.67	0.147	21.44	0.139
15	64QAM	1	0	21.60	0.145	21.69	0.148	21.68	0.147
15	64QAM	1	37	21.52	0.142	21.62	0.145	21.63	0.146
15	64QAM	1	74	21.51	0.142	21.59	0.144	21.52	0.142
15	64QAM	36	0	20.57	0.114	20.67	0.117	20.57	0.114
15	64QAM	36	20	20.37	0.109	20.62	0.115	20.43	0.110
15	64QAM	36	39	20.40	0.110	20.40	0.110	20.56	0.114
15	64QAM	75	0	20.32	0.108	20.66	0.116	20.60	0.115



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.61	0.230	23.65	0.232	23.58	0.228
10	QPSK	1	25	23.58	0.228	23.49	0.223	23.45	0.221
10	QPSK	1	49	23.51	0.224	23.59	0.229	23.45	0.221
10	QPSK	25	0	22.69	0.186	22.74	0.188	22.45	0.176
10	QPSK	25	12	22.66	0.185	22.62	0.183	22.52	0.179
10	QPSK	25	25	22.43	0.175	22.50	0.178	22.59	0.182
10	QPSK	50	0	22.60	0.182	22.63	0.183	22.59	0.182
10	16QAM	1	0	22.86	0.193	22.90	0.195	22.79	0.190
10	16QAM	1	25	22.89	0.195	22.81	0.191	22.68	0.185
10	16QAM	1	49	22.88	0.194	22.87	0.194	22.81	0.191
10	16QAM	25	0	21.57	0.144	21.73	0.149	21.67	0.147
10	16QAM	25	12	21.58	0.144	21.50	0.141	21.50	0.141
10	16QAM	25	25	21.46	0.140	21.49	0.141	21.62	0.145
10	16QAM	50	0	21.45	0.140	21.57	0.144	21.44	0.139
10	64QAM	1	0	21.69	0.148	21.73	0.149	21.68	0.147
10	64QAM	1	25	21.67	0.147	21.68	0.147	21.66	0.147
10	64QAM	1	49	21.50	0.141	21.65	0.146	21.69	0.148
10	64QAM	25	0	20.63	0.116	20.67	0.117	20.63	0.116
10	64QAM	25	12	20.55	0.114	20.59	0.115	20.43	0.110
10	64QAM	25	25	20.48	0.112	20.49	0.112	20.49	0.112
10	64QAM	50	0	20.34	0.108	20.50	0.112	20.59	0.115



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.60	0.229	23.64	0.231	23.57	0.228
5	QPSK	1	12	23.58	0.228	23.59	0.229	23.51	0.224
5	QPSK	1	24	23.56	0.227	23.58	0.228	23.44	0.221
5	QPSK	12	0	22.68	0.185	22.83	0.192	22.57	0.181
5	QPSK	12	7	22.48	0.177	22.58	0.181	22.48	0.177
5	QPSK	12	13	22.53	0.179	22.45	0.176	22.49	0.177
5	QPSK	25	0	22.63	0.183	22.62	0.183	22.48	0.177
5	16QAM	1	0	22.87	0.194	22.92	0.196	22.79	0.190
5	16QAM	1	12	22.91	0.195	22.82	0.191	22.91	0.195
5	16QAM	1	24	22.69	0.186	22.77	0.189	22.83	0.192
5	16QAM	12	0	21.61	0.145	21.61	0.145	21.71	0.148
5	16QAM	12	7	21.58	0.144	21.68	0.147	21.67	0.147
5	16QAM	12	13	21.43	0.139	21.62	0.145	21.41	0.138
5	16QAM	25	0	21.40	0.138	21.55	0.143	21.58	0.144
5	64QAM	1	0	21.62	0.145	21.70	0.148	21.64	0.146
5	64QAM	1	12	21.61	0.145	21.75	0.150	21.58	0.144
5	64QAM	1	24	21.41	0.138	21.58	0.144	21.49	0.141
5	64QAM	12	0	20.59	0.115	20.75	0.119	20.64	0.116
5	64QAM	12	7	20.43	0.110	20.68	0.117	20.43	0.110
5	64QAM	12	13	20.38	0.109	20.64	0.116	20.44	0.111
5	64QAM	25	0	20.39	0.109	20.44	0.111	20.47	0.111



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	23.62	0.230	23.66	0.232	23.60	0.229
3	QPSK	1	8	23.50	0.224	23.62	0.230	23.57	0.228
3	QPSK	1	14	23.51	0.224	23.50	0.224	23.54	0.226
3	QPSK	8	0	22.67	0.185	22.64	0.184	22.45	0.176
3	QPSK	8	4	22.72	0.187	22.72	0.187	22.47	0.177
3	QPSK	8	7	22.58	0.181	22.50	0.178	22.43	0.175
3	QPSK	15	0	22.51	0.178	22.68	0.185	22.56	0.180
3	16QAM	1	0	22.89	0.195	22.91	0.195	22.87	0.194
3	16QAM	1	8	22.84	0.192	22.75	0.188	22.88	0.194
3	16QAM	1	14	22.80	0.191	22.85	0.193	22.81	0.191
3	16QAM	8	0	21.52	0.142	21.62	0.145	21.68	0.147
3	16QAM	8	4	21.55	0.143	21.60	0.145	21.66	0.147
3	16QAM	8	7	21.44	0.139	21.43	0.139	21.56	0.143
3	16QAM	15	0	21.41	0.138	21.58	0.144	21.52	0.142
3	64QAM	1	0	21.69	0.148	21.73	0.149	21.65	0.146
3	64QAM	1	8	21.47	0.140	21.67	0.147	21.65	0.146
3	64QAM	1	14	21.64	0.146	21.55	0.143	21.62	0.145
3	64QAM	8	0	20.63	0.116	20.70	0.117	20.52	0.113
3	64QAM	8	4	20.45	0.111	20.69	0.117	20.44	0.111
3	64QAM	8	7	20.39	0.109	20.43	0.110	20.53	0.113
3	64QAM	15	0	20.37	0.109	20.48	0.112	20.59	0.115



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.57	0.228	23.64	0.231	23.56	0.227
1.4	QPSK	1	3	23.59	0.229	23.58	0.228	23.53	0.225
1.4	QPSK	1	5	23.51	0.224	23.52	0.225	23.48	0.223
1.4	QPSK	3	0	22.62	0.183	22.82	0.191	22.59	0.182
1.4	QPSK	3	1	22.72	0.187	22.64	0.184	22.58	0.181
1.4	QPSK	3	3	22.59	0.182	22.63	0.183	22.54	0.179
1.4	QPSK	6	0	22.48	0.177	22.52	0.179	22.48	0.177
1.4	16QAM	1	0	22.87	0.194	22.91	0.195	22.88	0.194
1.4	16QAM	1	3	22.92	0.196	22.83	0.192	22.67	0.185
1.4	16QAM	1	5	22.86	0.193	22.88	0.194	22.71	0.187
1.4	16QAM	3	0	21.48	0.141	21.58	0.144	21.69	0.148
1.4	16QAM	3	1	21.46	0.140	21.48	0.141	21.58	0.144
1.4	16QAM	3	3	21.43	0.139	21.48	0.141	21.53	0.142
1.4	16QAM	6	0	21.57	0.144	21.44	0.139	21.56	0.143
1.4	64QAM	1	0	21.66	0.147	21.81	0.152	21.74	0.149
1.4	64QAM	1	3	21.55	0.143	21.81	0.152	21.64	0.146
1.4	64QAM	1	5	21.46	0.140	21.74	0.149	21.50	0.141
1.4	64QAM	3	0	20.51	0.112	20.53	0.113	20.56	0.114
1.4	64QAM	3	1	20.55	0.114	20.56	0.114	20.40	0.110
1.4	64QAM	3	3	20.39	0.109	20.63	0.116	20.37	0.109
1.4	64QAM	6	0	20.40	0.110	20.43	0.110	20.47	0.111



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.77	0.119	20.84	0.121	20.80	0.120
10	QPSK	1	25	20.79	0.120	20.78	0.120	20.65	0.116
10	QPSK	1	49	20.72	0.118	20.70	0.117	20.64	0.116
10	QPSK	25	0	19.74	0.094	19.76	0.095	19.71	0.094
10	QPSK	25	12	19.69	0.093	19.76	0.095	19.58	0.091
10	QPSK	25	25	19.65	0.092	19.65	0.092	19.57	0.091
10	QPSK	50	0	19.65	0.092	19.64	0.092	19.57	0.091
10	16QAM	1	0	20.16	0.104	20.06	0.101	19.96	0.099
10	16QAM	1	25	19.99	0.100	20.01	0.100	19.97	0.099
10	16QAM	1	49	19.95	0.099	19.98	0.100	20.03	0.101
10	16QAM	25	0	18.77	0.075	18.87	0.077	18.90	0.078
10	16QAM	25	12	18.64	0.073	18.84	0.077	18.82	0.076
10	16QAM	25	25	18.68	0.074	18.67	0.074	18.65	0.073
10	16QAM	50	0	18.71	0.074	18.78	0.076	18.70	0.074
10	64QAM	1	0	18.73	0.075	18.94	0.078	18.77	0.075
10	64QAM	1	25	18.60	0.072	18.83	0.076	18.73	0.075
10	64QAM	1	49	18.76	0.075	18.74	0.075	18.82	0.076
10	64QAM	25	0	17.60	0.058	17.84	0.061	17.60	0.058
10	64QAM	25	12	17.48	0.056	17.77	0.060	17.51	0.056
10	64QAM	25	25	17.50	0.056	17.75	0.060	17.49	0.056
10	64QAM	50	0	17.41	0.055	17.58	0.057	17.68	0.059



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.79	0.120	20.80	0.120	20.74	0.119
5	QPSK	1	12	20.73	0.118	20.77	0.119	20.78	0.120
5	QPSK	1	24	20.67	0.117	20.64	0.116	20.69	0.117
5	QPSK	12	0	19.92	0.098	19.98	0.100	19.82	0.096
5	QPSK	12	7	19.81	0.096	19.84	0.096	19.74	0.094
5	QPSK	12	13	19.60	0.091	19.75	0.094	19.62	0.092
5	QPSK	25	0	19.73	0.094	19.82	0.096	19.79	0.095
5	16QAM	1	0	19.95	0.099	20.04	0.101	20.04	0.101
5	16QAM	1	12	20.09	0.102	19.92	0.098	20.00	0.100
5	16QAM	1	24	19.81	0.096	19.99	0.100	19.96	0.099
5	16QAM	12	0	18.82	0.076	18.79	0.076	18.86	0.077
5	16QAM	12	7	18.72	0.074	18.76	0.075	18.87	0.077
5	16QAM	12	13	18.60	0.072	18.64	0.073	18.64	0.073
5	16QAM	25	0	18.58	0.072	18.59	0.072	18.67	0.074
5	64QAM	1	0	18.73	0.075	18.78	0.076	18.89	0.077
5	64QAM	1	12	18.67	0.074	18.75	0.075	18.67	0.074
5	64QAM	1	24	18.59	0.072	18.83	0.076	18.80	0.076
5	64QAM	12	0	17.57	0.057	17.75	0.060	17.76	0.060
5	64QAM	12	7	17.67	0.058	17.79	0.060	17.59	0.057
5	64QAM	12	13	17.44	0.055	17.58	0.057	17.60	0.058
5	64QAM	25	0	17.45	0.056	17.58	0.057	17.62	0.058



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.80	0.120	20.81	0.121	20.67	0.117
3	QPSK	1	8	20.79	0.120	20.76	0.119	20.72	0.118
3	QPSK	1	14	20.76	0.119	20.64	0.116	20.57	0.114
3	QPSK	8	0	19.78	0.095	19.87	0.097	19.70	0.093
3	QPSK	8	4	19.75	0.094	19.70	0.093	19.66	0.092
3	QPSK	8	7	19.61	0.091	19.66	0.092	19.59	0.091
3	QPSK	15	0	19.60	0.091	19.78	0.095	19.72	0.094
3	16QAM	1	0	20.04	0.101	20.12	0.103	19.94	0.099
3	16QAM	1	8	19.98	0.100	20.01	0.100	19.83	0.096
3	16QAM	1	14	19.79	0.095	20.04	0.101	19.88	0.097
3	16QAM	8	0	18.62	0.073	18.72	0.074	18.76	0.075
3	16QAM	8	4	18.72	0.074	18.74	0.075	18.78	0.076
3	16QAM	8	7	18.64	0.073	18.61	0.073	18.69	0.074
3	16QAM	15	0	18.63	0.073	18.60	0.072	18.66	0.073
3	64QAM	1	0	18.68	0.074	18.83	0.076	18.88	0.077
3	64QAM	1	8	18.60	0.072	18.85	0.077	18.83	0.076
3	64QAM	1	14	18.66	0.073	18.81	0.076	18.62	0.073
3	64QAM	8	0	17.77	0.060	17.89	0.062	17.79	0.060
3	64QAM	8	4	17.60	0.058	17.72	0.059	17.61	0.058
3	64QAM	8	7	17.66	0.058	17.73	0.059	17.63	0.058
3	64QAM	15	0	17.51	0.056	17.78	0.060	17.63	0.058



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.74	0.119	20.79	0.120	20.72	0.118
1.4	QPSK	1	3	20.70	0.117	20.64	0.116	20.69	0.117
1.4	QPSK	1	5	20.68	0.117	20.71	0.118	20.60	0.115
1.4	QPSK	3	0	19.82	0.096	19.88	0.097	19.63	0.092
1.4	QPSK	3	1	19.87	0.097	19.69	0.093	19.63	0.092
1.4	QPSK	3	3	19.61	0.091	19.80	0.095	19.60	0.091
1.4	QPSK	6	0	19.69	0.093	19.66	0.092	19.74	0.094
1.4	16QAM	1	0	19.95	0.099	20.16	0.104	20.04	0.101
1.4	16QAM	1	3	20.13	0.103	20.00	0.100	19.83	0.096
1.4	16QAM	1	5	19.88	0.097	19.94	0.099	19.88	0.097
1.4	16QAM	3	0	18.61	0.073	18.90	0.078	18.91	0.078
1.4	16QAM	3	1	18.62	0.073	18.82	0.076	18.87	0.077
1.4	16QAM	3	3	18.60	0.072	18.68	0.074	18.67	0.074
1.4	16QAM	6	0	18.70	0.074	18.76	0.075	18.62	0.073
1.4	64QAM	1	0	18.88	0.077	18.96	0.079	18.86	0.077
1.4	64QAM	1	3	18.73	0.075	18.92	0.078	18.72	0.074
1.4	64QAM	1	5	18.72	0.074	18.67	0.074	18.82	0.076
1.4	64QAM	3	0	17.68	0.059	17.87	0.061	17.82	0.061
1.4	64QAM	3	1	17.70	0.059	17.74	0.059	17.60	0.058
1.4	64QAM	3	3	17.64	0.058	17.79	0.060	17.62	0.058
1.4	64QAM	6	0	17.64	0.058	17.81	0.060	17.72	0.059



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.72	0.296	24.76	0.299	24.95	0.313
20	QPSK	1	49	24.57	0.286	24.67	0.293	24.92	0.310
20	QPSK	1	99	24.64	0.291	24.61	0.289	24.81	0.303
20	QPSK	50	0	23.73	0.236	23.77	0.238	23.90	0.245
20	QPSK	50	24	23.53	0.225	23.58	0.228	23.78	0.239
20	QPSK	50	50	23.58	0.228	23.60	0.229	23.83	0.242
20	QPSK	100	0	23.53	0.225	23.56	0.227	23.81	0.240
20	16QAM	1	0	23.85	0.243	23.89	0.245	24.06	0.255
20	16QAM	1	49	23.87	0.244	23.84	0.242	23.98	0.250
20	16QAM	1	99	23.84	0.242	23.78	0.239	23.97	0.249
20	16QAM	50	0	22.65	0.184	22.62	0.183	22.88	0.194
20	16QAM	50	24	22.61	0.182	22.73	0.187	22.85	0.193
20	16QAM	50	50	22.55	0.180	22.57	0.181	22.71	0.187
20	16QAM	100	0	22.64	0.184	22.53	0.179	22.79	0.190
20	64QAM	1	0	22.70	0.186	22.73	0.187	23.01	0.200
20	64QAM	1	49	22.64	0.184	22.64	0.184	23.02	0.200
20	64QAM	1	99	22.68	0.185	22.65	0.184	22.83	0.192
20	64QAM	50	0	21.63	0.146	21.74	0.149	21.88	0.154
20	64QAM	50	24	21.60	0.145	21.71	0.148	21.72	0.149
20	64QAM	50	50	21.55	0.143	21.56	0.143	21.85	0.153
20	64QAM	100	0	21.58	0.144	21.60	0.145	21.74	0.149



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.70	0.295	24.72	0.296	24.92	0.310
15	QPSK	1	37	24.62	0.290	24.61	0.289	24.87	0.307
15	QPSK	1	74	24.57	0.286	24.63	0.290	24.76	0.299
15	QPSK	36	0	23.77	0.238	23.79	0.239	23.87	0.244
15	QPSK	36	20	23.56	0.227	23.56	0.227	23.78	0.239
15	QPSK	36	39	23.58	0.228	23.61	0.230	23.84	0.242
15	QPSK	75	0	23.66	0.232	23.60	0.229	23.82	0.241
15	16QAM	1	0	24.01	0.252	24.00	0.251	24.05	0.254
15	16QAM	1	37	23.99	0.251	23.80	0.240	23.95	0.248
15	16QAM	1	74	23.75	0.237	23.96	0.249	24.03	0.253
15	16QAM	36	0	22.65	0.184	22.64	0.184	22.89	0.195
15	16QAM	36	20	22.70	0.186	22.64	0.184	22.77	0.189
15	16QAM	36	39	22.57	0.181	22.55	0.180	22.87	0.194
15	16QAM	75	0	22.62	0.183	22.58	0.181	22.77	0.189
15	64QAM	1	0	22.76	0.189	22.84	0.192	22.96	0.198
15	64QAM	1	37	22.65	0.184	22.77	0.189	23.07	0.203
15	64QAM	1	74	22.70	0.186	22.61	0.182	22.83	0.192
15	64QAM	36	0	21.57	0.144	21.74	0.149	21.85	0.153
15	64QAM	36	20	21.49	0.141	21.52	0.142	21.67	0.147
15	64QAM	36	39	21.61	0.145	21.55	0.143	21.75	0.150
15	64QAM	75	0	21.57	0.144	21.59	0.144	21.70	0.148



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.63	0.290	24.71	0.296	24.91	0.310
10	QPSK	1	25	24.61	0.289	24.55	0.285	24.82	0.303
10	QPSK	1	49	24.62	0.290	24.59	0.288	24.74	0.298
10	QPSK	25	0	23.74	0.237	23.76	0.238	23.88	0.244
10	QPSK	25	12	23.67	0.233	23.75	0.237	23.86	0.243
10	QPSK	25	25	23.59	0.229	23.67	0.233	23.71	0.235
10	QPSK	50	0	23.64	0.231	23.58	0.228	23.70	0.234
10	16QAM	1	0	23.90	0.245	23.97	0.249	24.11	0.258
10	16QAM	1	25	23.82	0.241	23.89	0.245	24.10	0.257
10	16QAM	1	49	23.73	0.236	23.71	0.235	24.07	0.255
10	16QAM	25	0	22.70	0.186	22.77	0.189	22.92	0.196
10	16QAM	25	12	22.55	0.180	22.57	0.181	22.91	0.195
10	16QAM	25	25	22.58	0.181	22.63	0.183	22.91	0.195
10	16QAM	50	0	22.55	0.180	22.61	0.182	22.87	0.194
10	64QAM	1	0	22.68	0.185	22.71	0.187	22.85	0.193
10	64QAM	1	25	22.61	0.182	22.77	0.189	22.84	0.192
10	64QAM	1	49	22.62	0.183	22.69	0.186	22.91	0.195
10	64QAM	25	0	21.63	0.146	21.77	0.150	21.82	0.152
10	64QAM	25	12	21.62	0.145	21.71	0.148	21.66	0.147
10	64QAM	25	25	21.57	0.144	21.57	0.144	21.72	0.149
10	64QAM	50	0	21.54	0.143	21.58	0.144	21.69	0.148



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.70	0.295	24.73	0.297	24.88	0.308
5	QPSK	1	12	24.63	0.290	24.65	0.292	24.86	0.306
5	QPSK	1	24	24.67	0.293	24.64	0.291	24.80	0.302
5	QPSK	12	0	23.69	0.234	23.74	0.237	23.86	0.243
5	QPSK	12	7	23.73	0.236	23.71	0.235	23.84	0.242
5	QPSK	12	13	23.57	0.228	23.62	0.230	23.70	0.234
5	QPSK	25	0	23.63	0.231	23.70	0.234	23.76	0.238
5	16QAM	1	0	23.87	0.244	23.91	0.246	24.07	0.255
5	16QAM	1	12	23.81	0.240	23.80	0.240	24.05	0.254
5	16QAM	1	24	23.88	0.244	23.74	0.237	24.01	0.252
5	16QAM	12	0	22.60	0.182	22.65	0.184	22.88	0.194
5	16QAM	12	7	22.53	0.179	22.55	0.180	22.83	0.192
5	16QAM	12	13	22.62	0.183	22.60	0.182	22.69	0.186
5	16QAM	25	0	22.59	0.182	22.55	0.180	22.79	0.190
5	64QAM	1	0	22.73	0.187	22.74	0.188	22.85	0.193
5	64QAM	1	12	22.64	0.184	22.72	0.187	22.80	0.191
5	64QAM	1	24	22.57	0.181	22.69	0.186	22.81	0.191
5	64QAM	12	0	21.67	0.147	21.60	0.145	21.90	0.155
5	64QAM	12	7	21.55	0.143	21.58	0.144	21.81	0.152
5	64QAM	12	13	21.55	0.143	21.57	0.144	21.62	0.145
5	64QAM	25	0	21.61	0.145	21.70	0.148	21.71	0.148



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.49	0.089	19.54	0.090	19.51	0.089
10	QPSK	1	25	19.29	0.085	19.31	0.085	19.26	0.084
10	QPSK	1	49	19.32	0.086	19.44	0.088	19.47	0.089
10	QPSK	25	0	18.48	0.070	18.57	0.072	18.52	0.071
10	QPSK	25	12	18.28	0.067	18.43	0.070	18.33	0.068
10	QPSK	25	25	18.29	0.067	18.37	0.069	18.33	0.068
10	QPSK	50	0	18.21	0.066	18.40	0.069	18.33	0.068
10	16QAM	1	0	18.64	0.073	18.75	0.075	18.60	0.072
10	16QAM	1	25	18.47	0.070	18.49	0.071	18.47	0.070
10	16QAM	1	49	18.52	0.071	18.65	0.073	18.42	0.070
10	16QAM	25	0	17.19	0.052	17.42	0.055	17.26	0.053
10	16QAM	25	12	17.15	0.052	17.46	0.056	17.42	0.055
10	16QAM	25	25	17.26	0.053	17.13	0.052	17.24	0.053
10	16QAM	50	0	17.20	0.052	17.31	0.054	17.20	0.052
10	64QAM	1	0	17.20	0.052	17.57	0.057	17.28	0.053
10	64QAM	1	25	17.28	0.053	17.55	0.057	17.42	0.055
10	64QAM	1	49	17.33	0.054	17.31	0.054	17.22	0.053
10	64QAM	25	0	16.28	0.042	16.44	0.044	16.27	0.042
10	64QAM	25	12	16.23	0.042	16.24	0.042	16.32	0.043
10	64QAM	25	25	16.14	0.041	16.29	0.043	16.27	0.042
10	64QAM	50	0	16.14	0.041	16.16	0.041	16.20	0.042



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.41	0.087	19.49	0.089	19.43	0.088
5	QPSK	1	12	19.33	0.086	19.43	0.088	19.35	0.086
5	QPSK	1	24	19.35	0.086	19.25	0.084	19.29	0.085
5	QPSK	12	0	18.24	0.067	18.44	0.070	18.38	0.069
5	QPSK	12	7	18.21	0.066	18.40	0.069	18.34	0.068
5	QPSK	12	13	18.21	0.066	18.16	0.065	18.25	0.067
5	QPSK	25	0	18.12	0.065	18.21	0.066	18.26	0.067
5	16QAM	1	0	18.48	0.070	18.69	0.074	18.64	0.073
5	16QAM	1	12	18.58	0.072	18.65	0.073	18.45	0.070
5	16QAM	1	24	18.56	0.072	18.56	0.072	18.49	0.071
5	16QAM	12	0	17.21	0.053	17.48	0.056	17.29	0.054
5	16QAM	12	7	17.24	0.053	17.31	0.054	17.30	0.054
5	16QAM	12	13	17.23	0.053	17.21	0.053	17.23	0.053
5	16QAM	25	0	17.24	0.053	17.23	0.053	17.22	0.053
5	64QAM	1	0	17.27	0.053	17.48	0.056	17.42	0.055
5	64QAM	1	12	17.22	0.053	17.50	0.056	17.39	0.055
5	64QAM	1	24	17.28	0.053	17.49	0.056	17.24	0.053
5	64QAM	12	0	16.31	0.043	16.46	0.044	16.41	0.044
5	64QAM	12	7	16.25	0.042	16.28	0.042	16.25	0.042
5	64QAM	12	13	16.19	0.042	16.20	0.042	16.09	0.041
5	64QAM	25	0	16.07	0.040	16.25	0.042	16.24	0.042



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.44	0.088	19.51	0.089	19.47	0.089
3	QPSK	1	8	19.39	0.087	19.47	0.089	19.42	0.087
3	QPSK	1	14	19.17	0.083	19.32	0.086	19.15	0.082
3	QPSK	8	0	18.43	0.070	18.48	0.070	18.37	0.069
3	QPSK	8	4	18.30	0.068	18.29	0.067	18.21	0.066
3	QPSK	8	7	18.30	0.068	18.24	0.067	18.16	0.065
3	QPSK	15	0	18.21	0.066	18.27	0.067	18.24	0.067
3	16QAM	1	0	18.64	0.073	18.63	0.073	18.68	0.074
3	16QAM	1	8	18.45	0.070	18.48	0.070	18.47	0.070
3	16QAM	1	14	18.47	0.070	18.66	0.073	18.56	0.072
3	16QAM	8	0	17.17	0.052	17.49	0.056	17.37	0.055
3	16QAM	8	4	17.31	0.054	17.25	0.053	17.38	0.055
3	16QAM	8	7	17.25	0.053	17.26	0.053	17.13	0.052
3	16QAM	15	0	17.11	0.051	17.15	0.052	17.13	0.052
3	64QAM	1	0	17.39	0.055	17.44	0.055	17.34	0.054
3	64QAM	1	8	17.31	0.054	17.55	0.057	17.32	0.054
3	64QAM	1	14	17.25	0.053	17.32	0.054	17.44	0.055
3	64QAM	8	0	16.18	0.041	16.33	0.043	16.27	0.042
3	64QAM	8	4	16.07	0.040	16.35	0.043	16.17	0.041
3	64QAM	8	7	16.14	0.041	16.21	0.042	16.10	0.041
3	64QAM	15	0	16.26	0.042	16.32	0.043	16.35	0.043



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.45	0.088	19.50	0.089	19.41	0.087
1.4	QPSK	1	3	19.31	0.085	19.40	0.087	19.31	0.085
1.4	QPSK	1	5	19.23	0.084	19.29	0.085	19.18	0.083
1.4	QPSK	3	0	18.28	0.067	18.42	0.070	18.38	0.069
1.4	QPSK	3	1	18.22	0.066	18.47	0.070	18.32	0.068
1.4	QPSK	3	3	18.22	0.066	18.30	0.068	18.33	0.068
1.4	QPSK	6	0	18.22	0.066	18.41	0.069	18.30	0.068
1.4	16QAM	1	0	18.49	0.071	18.66	0.073	18.59	0.072
1.4	16QAM	1	3	18.50	0.071	18.45	0.070	18.50	0.071
1.4	16QAM	1	5	18.32	0.068	18.57	0.072	18.45	0.070
1.4	16QAM	3	0	17.33	0.054	17.46	0.056	17.43	0.055
1.4	16QAM	3	1	17.32	0.054	17.32	0.054	17.34	0.054
1.4	16QAM	3	3	17.27	0.053	17.26	0.053	17.29	0.054
1.4	16QAM	6	0	17.20	0.052	17.34	0.054	17.17	0.052
1.4	64QAM	1	0	17.40	0.055	17.33	0.054	17.42	0.055
1.4	64QAM	1	3	17.14	0.052	17.45	0.056	17.40	0.055
1.4	64QAM	1	5	17.14	0.052	17.34	0.054	17.40	0.055
1.4	64QAM	3	0	16.31	0.043	16.48	0.044	16.30	0.043
1.4	64QAM	3	1	16.33	0.043	16.25	0.042	16.23	0.042
1.4	64QAM	3	3	16.25	0.042	16.24	0.042	16.26	0.042
1.4	64QAM	6	0	16.16	0.041	16.36	0.043	16.11	0.041



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	/	/	22.50	0.178	/	/
10	QPSK	1	25	/	/	22.42	0.175	/	/
10	QPSK	1	49	/	/	22.35	0.172	/	/
10	QPSK	25	0	/	/	21.43	0.139	/	/
10	QPSK	25	12	/	/	21.31	0.135	/	/
10	QPSK	25	25	/	/	21.35	0.136	/	/
10	QPSK	50	0	/	/	21.21	0.132	/	/
10	16QAM	1	0	/	/	21.58	0.144	/	/
10	16QAM	1	25	/	/	21.50	0.141	/	/
10	16QAM	1	49	/	/	21.45	0.140	/	/
10	16QAM	25	0	/	/	20.41	0.110	/	/
10	16QAM	25	12	/	/	20.37	0.109	/	/
10	16QAM	25	25	/	/	20.27	0.106	/	/
10	16QAM	50	0	/	/	20.46	0.111	/	/
10	64QAM	1	0	/	/	20.42	0.110	/	/
10	64QAM	1	25	/	/	20.34	0.108	/	/
10	64QAM	1	49	/	/	20.43	0.110	/	/
10	64QAM	25	0	/	/	19.39	0.087	/	/
10	64QAM	25	12	/	/	19.22	0.084	/	/
10	64QAM	25	25	/	/	19.31	0.085	/	/
10	64QAM	50	0	/	/	19.25	0.084	/	/



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	22.41	0.174	22.46	0.176	22.39	0.173
5	QPSK	1	12	22.36	0.172	22.43	0.175	22.35	0.172
5	QPSK	1	24	22.20	0.166	22.31	0.170	22.33	0.171
5	QPSK	12	0	21.30	0.135	21.55	0.143	21.43	0.139
5	QPSK	12	7	21.30	0.135	21.48	0.141	21.42	0.139
5	QPSK	12	13	21.24	0.133	21.32	0.136	21.26	0.134
5	QPSK	25	0	21.28	0.134	21.24	0.133	21.30	0.135
5	16QAM	1	0	21.69	0.148	21.62	0.145	21.54	0.143
5	16QAM	1	12	21.69	0.148	21.62	0.145	21.70	0.148
5	16QAM	1	24	21.61	0.145	21.66	0.147	21.50	0.141
5	16QAM	12	0	20.35	0.108	20.37	0.109	20.47	0.111
5	16QAM	12	7	20.32	0.108	20.49	0.112	20.31	0.107
5	16QAM	12	13	20.31	0.107	20.25	0.106	20.34	0.108
5	16QAM	25	0	20.14	0.103	20.26	0.106	20.21	0.105
5	64QAM	1	0	20.24	0.106	20.40	0.110	20.49	0.112
5	64QAM	1	12	20.18	0.104	20.52	0.113	20.49	0.112
5	64QAM	1	24	20.26	0.106	20.38	0.109	20.39	0.109
5	64QAM	12	0	19.35	0.086	19.38	0.087	19.42	0.087
5	64QAM	12	7	19.26	0.084	19.34	0.086	19.32	0.086
5	64QAM	12	13	19.22	0.084	19.17	0.083	19.27	0.085
5	64QAM	25	0	19.19	0.083	19.40	0.087	19.34	0.086



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.09	0.256	24.21	0.264	24.17	0.261
20	QPSK	1	49	24.03	0.253	24.15	0.260	24.10	0.257
20	QPSK	1	99	23.92	0.247	24.13	0.259	23.98	0.250
20	QPSK	50	0	23.07	0.203	23.16	0.207	23.11	0.205
20	QPSK	50	24	23.07	0.203	23.15	0.207	23.06	0.202
20	QPSK	50	50	23.09	0.204	22.99	0.199	23.01	0.200
20	QPSK	100	0	22.99	0.199	23.06	0.202	23.07	0.203
20	16QAM	1	0	23.22	0.210	23.31	0.214	23.30	0.214
20	16QAM	1	49	23.26	0.212	23.19	0.208	23.13	0.206
20	16QAM	1	99	23.11	0.205	23.20	0.209	23.27	0.212
20	16QAM	50	0	22.12	0.163	22.19	0.166	22.14	0.164
20	16QAM	50	24	21.94	0.156	22.11	0.163	22.19	0.166
20	16QAM	50	50	21.95	0.157	22.01	0.159	21.97	0.157
20	16QAM	100	0	21.94	0.156	21.97	0.157	21.99	0.158
20	64QAM	1	0	22.05	0.160	22.16	0.164	22.09	0.162
20	64QAM	1	49	21.99	0.158	22.13	0.163	22.16	0.164
20	64QAM	1	99	21.91	0.155	22.12	0.163	22.06	0.161
20	64QAM	50	0	20.96	0.125	21.10	0.129	21.06	0.128
20	64QAM	50	24	20.81	0.121	21.02	0.126	20.93	0.124
20	64QAM	50	50	20.95	0.124	21.06	0.128	20.83	0.121
20	64QAM	100	0	20.83	0.121	21.06	0.128	21.08	0.128



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.05	0.254	24.18	0.262	24.14	0.259
15	QPSK	1	37	23.96	0.249	24.07	0.255	23.92	0.247
15	QPSK	1	74	23.95	0.248	23.90	0.245	23.87	0.244
15	QPSK	36	0	23.02	0.200	23.20	0.209	23.11	0.205
15	QPSK	36	20	23.04	0.201	23.02	0.200	22.94	0.197
15	QPSK	36	39	22.94	0.197	23.10	0.204	22.97	0.198
15	QPSK	75	0	22.98	0.199	22.97	0.198	22.99	0.199
15	16QAM	1	0	23.25	0.211	23.33	0.215	23.29	0.213
15	16QAM	1	37	23.27	0.212	23.24	0.211	23.15	0.207
15	16QAM	1	74	23.21	0.209	23.20	0.209	23.30	0.214
15	16QAM	36	0	22.07	0.161	22.17	0.165	22.19	0.166
15	16QAM	36	20	22.02	0.159	22.10	0.162	22.02	0.159
15	16QAM	36	39	21.97	0.157	22.05	0.160	22.09	0.162
15	16QAM	75	0	21.90	0.155	22.02	0.159	22.06	0.161
15	64QAM	1	0	22.08	0.161	22.21	0.166	22.14	0.164
15	64QAM	1	37	21.91	0.155	22.15	0.164	22.04	0.160
15	64QAM	1	74	21.97	0.157	22.08	0.161	22.06	0.161
15	64QAM	36	0	21.08	0.128	21.14	0.130	21.09	0.129
15	64QAM	36	20	20.87	0.122	20.91	0.123	20.81	0.121
15	64QAM	36	39	20.96	0.125	20.85	0.122	20.98	0.125
15	64QAM	75	0	20.92	0.124	21.03	0.127	20.83	0.121



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.08	0.256	24.14	0.259	24.10	0.257
10	QPSK	1	25	24.07	0.255	24.10	0.257	23.96	0.249
10	QPSK	1	49	23.97	0.249	24.09	0.256	23.85	0.243
10	QPSK	25	0	23.03	0.201	23.17	0.207	23.14	0.206
10	QPSK	25	12	23.10	0.204	23.07	0.203	22.95	0.197
10	QPSK	25	25	22.87	0.194	22.96	0.198	23.04	0.201
10	QPSK	50	0	22.99	0.199	23.01	0.200	23.07	0.203
10	16QAM	1	0	23.26	0.212	23.34	0.216	23.33	0.215
10	16QAM	1	25	23.16	0.207	23.27	0.212	23.20	0.209
10	16QAM	1	49	23.18	0.208	23.28	0.213	23.31	0.214
10	16QAM	25	0	22.02	0.159	22.20	0.166	22.16	0.164
10	16QAM	25	12	21.95	0.157	22.12	0.163	22.19	0.166
10	16QAM	25	25	22.93	0.196	21.90	0.155	21.95	0.157
10	16QAM	50	0	22.08	0.161	21.94	0.156	22.04	0.160
10	64QAM	1	0	22.03	0.160	22.11	0.163	22.13	0.163
10	64QAM	1	25	22.11	0.163	22.14	0.164	22.03	0.160
10	64QAM	1	49	21.95	0.157	22.21	0.166	21.93	0.156
10	64QAM	25	0	21.03	0.127	21.11	0.129	21.08	0.128
10	64QAM	25	12	20.96	0.125	21.03	0.127	20.87	0.122
10	64QAM	25	25	20.86	0.122	20.92	0.124	21.05	0.127
10	64QAM	50	0	20.90	0.123	20.97	0.125	21.00	0.126



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.03	0.253	24.15	0.260	24.09	0.256
5	QPSK	1	12	23.97	0.249	24.14	0.259	23.99	0.251
5	QPSK	1	24	24.03	0.253	24.04	0.254	23.87	0.244
5	QPSK	12	0	23.14	0.206	23.18	0.208	23.14	0.206
5	QPSK	12	7	23.08	0.203	23.17	0.207	22.93	0.196
5	QPSK	12	13	22.96	0.198	22.98	0.199	22.95	0.197
5	QPSK	25	0	23.07	0.203	23.12	0.205	22.90	0.195
5	16QAM	1	0	23.32	0.215	23.34	0.216	23.31	0.214
5	16QAM	1	12	23.20	0.209	23.27	0.212	23.26	0.212
5	16QAM	1	24	23.27	0.212	23.29	0.213	23.20	0.209
5	16QAM	12	0	22.09	0.162	22.05	0.160	22.03	0.160
5	16QAM	12	7	22.06	0.161	22.15	0.164	21.95	0.157
5	16QAM	12	13	21.99	0.158	21.98	0.158	21.89	0.155
5	16QAM	25	0	21.90	0.155	22.12	0.163	21.87	0.154
5	64QAM	1	0	22.20	0.166	22.15	0.164	22.10	0.162
5	64QAM	1	12	22.16	0.164	22.08	0.161	22.04	0.160
5	64QAM	1	24	22.03	0.160	22.03	0.160	21.97	0.157
5	64QAM	12	0	20.85	0.122	21.08	0.128	21.01	0.126
5	64QAM	12	7	21.02	0.126	20.91	0.123	20.80	0.120
5	64QAM	12	13	20.88	0.122	20.94	0.124	20.81	0.121
5	64QAM	25	0	20.83	0.121	21.04	0.127	21.04	0.127



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.07	0.255	24.16	0.261	24.11	0.258
3	QPSK	1	8	24.10	0.257	24.09	0.256	24.05	0.254
3	QPSK	1	14	24.00	0.251	23.90	0.245	23.88	0.244
3	QPSK	8	0	23.14	0.206	23.16	0.207	23.01	0.200
3	QPSK	8	4	22.95	0.197	23.02	0.200	23.03	0.201
3	QPSK	8	7	22.88	0.194	22.97	0.198	22.89	0.195
3	QPSK	15	0	23.12	0.205	23.11	0.205	22.94	0.197
3	16QAM	1	0	23.29	0.213	23.34	0.216	23.22	0.210
3	16QAM	1	8	23.23	0.210	23.32	0.215	23.17	0.207
3	16QAM	1	14	23.10	0.204	23.23	0.210	23.22	0.210
3	16QAM	8	0	22.06	0.161	22.02	0.159	22.11	0.163
3	16QAM	8	4	22.11	0.163	22.16	0.164	22.04	0.160
3	16QAM	8	7	21.91	0.155	21.84	0.153	22.06	0.161
3	16QAM	15	0	22.06	0.161	21.89	0.155	21.90	0.155
3	64QAM	1	0	22.16	0.164	22.30	0.170	22.16	0.164
3	64QAM	1	8	22.06	0.161	22.17	0.165	21.96	0.157
3	64QAM	1	14	22.01	0.159	22.21	0.166	21.96	0.157
3	64QAM	8	0	20.92	0.124	21.23	0.133	21.04	0.127
3	64QAM	8	4	20.87	0.122	21.14	0.130	20.89	0.123
3	64QAM	8	7	20.90	0.123	20.99	0.126	20.91	0.123
3	64QAM	15	0	20.88	0.122	20.88	0.122	20.89	0.123



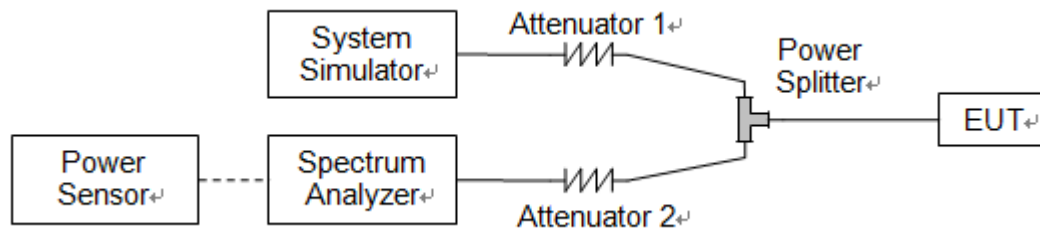
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.08	0.256	24.13	0.259	24.05	0.254
1.4	QPSK	1	3	24.11	0.258	24.06	0.255	23.91	0.246
1.4	QPSK	1	5	23.95	0.248	24.01	0.252	23.86	0.243
1.4	QPSK	3	0	23.10	0.204	23.10	0.204	23.13	0.206
1.4	QPSK	3	1	23.05	0.202	23.09	0.204	23.05	0.202
1.4	QPSK	3	3	23.03	0.201	23.01	0.200	23.04	0.201
1.4	QPSK	6	0	23.01	0.200	22.94	0.197	22.89	0.195
1.4	16QAM	1	0	23.24	0.211	23.32	0.215	23.26	0.212
1.4	16QAM	1	3	23.30	0.214	23.31	0.214	23.25	0.211
1.4	16QAM	1	5	23.24	0.211	23.17	0.207	23.29	0.213
1.4	16QAM	3	0	22.02	0.159	22.13	0.163	22.08	0.161
1.4	16QAM	3	1	22.00	0.158	22.16	0.164	22.20	0.166
1.4	16QAM	3	3	22.03	0.160	22.10	0.162	22.05	0.160
1.4	16QAM	6	0	22.08	0.161	22.07	0.161	21.91	0.155
1.4	64QAM	1	0	21.96	0.157	22.13	0.163	22.01	0.159
1.4	64QAM	1	3	22.08	0.161	22.10	0.162	21.96	0.157
1.4	64QAM	1	5	21.96	0.157	22.13	0.163	22.08	0.161
1.4	64QAM	3	0	21.06	0.128	21.10	0.129	20.98	0.125
1.4	64QAM	3	1	20.84	0.121	21.14	0.130	20.78	0.120
1.4	64QAM	3	3	20.79	0.120	21.06	0.128	20.83	0.121
1.4	64QAM	6	0	20.83	0.121	20.88	0.122	21.01	0.126

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	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B2	1.4	Low	18607	1850.7	QPSK	1.1047	1.3501	PASS
B2	1.4	Low	18607	1850.7	16QAM	1.1036	1.3394	PASS
B2	1.4	Low	18607	1850.7	64QAM	1.1056	1.3398	PASS
B2	1.4	Mid	18900	1880	QPSK	1.1036	1.3627	PASS
B2	1.4	Mid	18900	1880	16QAM	1.1066	1.3854	PASS
B2	1.4	Mid	18900	1880	64QAM	1.0986	1.3547	PASS
B2	1.4	High	19193	1909.3	QPSK	1.0991	1.3378	PASS
B2	1.4	High	19193	1909.3	16QAM	1.1058	1.3564	PASS
B2	1.4	High	19193	1909.3	64QAM	1.0980	1.3563	PASS
B2	3	Low	18615	1851.5	QPSK	2.7275	3.0853	PASS
B2	3	Low	18615	1851.5	16QAM	2.7206	3.0808	PASS
B2	3	Low	18615	1851.5	64QAM	2.7127	3.0629	PASS
B2	3	Mid	18900	1880	QPSK	2.7067	3.0490	PASS
B2	3	Mid	18900	1880	16QAM	2.7096	3.0677	PASS
B2	3	Mid	18900	1880	64QAM	2.7034	3.0709	PASS
B2	3	High	19185	1908.5	QPSK	2.7131	3.0646	PASS
B2	3	High	19185	1908.5	16QAM	2.7195	3.0667	PASS
B2	3	High	19185	1908.5	64QAM	2.7134	3.0432	PASS
B2	5	Low	18625	1852.5	QPSK	4.5111	5.1569	PASS
B2	5	Low	18625	1852.5	16QAM	4.5030	5.1549	PASS
B2	5	Low	18625	1852.5	64QAM	4.5110	5.1372	PASS
B2	5	Mid	18900	1880	QPSK	4.5122	5.1234	PASS
B2	5	Mid	18900	1880	16QAM	4.5216	5.0840	PASS
B2	5	Mid	18900	1880	64QAM	4.5127	5.1497	PASS
B2	5	High	19175	1907.5	QPSK	4.5111	5.1662	PASS
B2	5	High	19175	1907.5	16QAM	4.5036	5.1309	PASS
B2	5	High	19175	1907.5	64QAM	4.5127	5.1292	PASS
B2	10	Low	18650	1855	QPSK	8.9989	10.0036	PASS
B2	10	Low	18650	1855	16QAM	9.0000	10.0150	PASS
B2	10	Low	18650	1855	64QAM	8.9936	9.9241	PASS
B2	10	Mid	18900	1880	QPSK	9.0106	10.0832	PASS
B2	10	Mid	18900	1880	16QAM	9.0012	10.1014	PASS
B2	10	Mid	18900	1880	64QAM	9.0166	10.0810	PASS
B2	10	High	19150	1905	QPSK	8.9850	10.0168	PASS
B2	10	High	19150	1905	16QAM	9.0034	10.0684	PASS



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B2	10	High	19150	1905	64QAM	8.9969	9.9768	PASS
B2	15	Low	18675	1857.5	QPSK	13.503	15.030	PASS
B2	15	Low	18675	1857.5	16QAM	13.483	14.935	PASS
B2	15	Low	18675	1857.5	64QAM	13.477	14.899	PASS
B2	15	Mid	18900	1880	QPSK	13.459	14.866	PASS
B2	15	Mid	18900	1880	16QAM	13.452	14.903	PASS
B2	15	Mid	18900	1880	64QAM	13.449	14.793	PASS
B2	15	High	19125	1902.5	QPSK	13.429	14.881	PASS
B2	15	High	19125	1902.5	16QAM	13.464	14.676	PASS
B2	15	High	19125	1902.5	64QAM	13.445	14.722	PASS
B2	20	Low	18700	1860	QPSK	18.014	19.782	PASS
B2	20	Low	18700	1860	16QAM	18.042	19.800	PASS
B2	20	Low	18700	1860	64QAM	18.043	19.712	PASS
B2	20	Mid	18900	1880	QPSK	17.944	19.589	PASS
B2	20	Mid	18900	1880	16QAM	17.917	19.716	PASS
B2	20	Mid	18900	1880	64QAM	17.905	19.613	PASS
B2	20	High	19100	1900	QPSK	17.990	19.784	PASS
B2	20	High	19100	1900	16QAM	17.962	19.818	PASS
B2	20	High	19100	1900	64QAM	17.906	19.777	PASS
B4	1.4	Low	19957	1710.7	QPSK	1.1070	1.3503	PASS
B4	1.4	Low	19957	1710.7	16QAM	1.0997	1.3849	PASS
B4	1.4	Low	19957	1710.7	64QAM	1.1027	1.3710	PASS
B4	1.4	Mid	20175	1732.5	QPSK	1.0973	1.3415	PASS
B4	1.4	Mid	20175	1732.5	16QAM	1.1062	1.3634	PASS
B4	1.4	Mid	20175	1732.5	64QAM	1.1042	1.3463	PASS
B4	1.4	High	20393	1754.3	QPSK	1.0981	1.3445	PASS
B4	1.4	High	20393	1754.3	16QAM	1.1100	1.3561	PASS
B4	1.4	High	20393	1754.3	64QAM	1.0990	1.3447	PASS
B4	3	Low	19965	1711.5	QPSK	2.7022	3.0362	PASS
B4	3	Low	19965	1711.5	16QAM	2.7251	3.0963	PASS
B4	3	Low	19965	1711.5	64QAM	2.7154	3.0747	PASS
B4	3	Mid	20175	1732.5	QPSK	2.7111	3.0733	PASS
B4	3	Mid	20175	1732.5	16QAM	2.7221	3.0502	PASS
B4	3	Mid	20175	1732.5	64QAM	2.7059	3.0344	PASS
B4	3	High	20385	1753.5	QPSK	2.7115	3.0683	PASS
B4	3	High	20385	1753.5	16QAM	2.7076	3.0405	PASS
B4	3	High	20385	1753.5	64QAM	2.7112	3.0270	PASS
B4	5	Low	19975	1712.5	QPSK	4.5073	5.1346	PASS



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B4	5	Low	19975	1712.5	16QAM	4.5150	5.1043	PASS
B4	5	Low	19975	1712.5	64QAM	4.5137	5.0878	PASS
B4	5	Mid	20175	1732.5	QPSK	4.5344	5.1796	PASS
B4	5	Mid	20175	1732.5	16QAM	4.5239	5.1086	PASS
B4	5	Mid	20175	1732.5	64QAM	4.5289	5.1071	PASS
B4	5	High	20375	1752.5	QPSK	4.5148	5.1742	PASS
B4	5	High	20375	1752.5	16QAM	4.5177	5.0812	PASS
B4	5	High	20375	1752.5	64QAM	4.5121	5.0354	PASS
B4	10	Low	20000	1715	QPSK	8.9968	10.0092	PASS
B4	10	Low	20000	1715	16QAM	8.9956	10.0179	PASS
B4	10	Low	20000	1715	64QAM	9.0199	10.0627	PASS
B4	10	Mid	20175	1732.5	QPSK	9.0053	10.0644	PASS
B4	10	Mid	20175	1732.5	16QAM	9.0325	10.0573	PASS
B4	10	Mid	20175	1732.5	64QAM	9.0188	9.9024	PASS
B4	10	High	20350	1750	QPSK	8.9992	10.0779	PASS
B4	10	High	20350	1750	16QAM	8.9922	10.0869	PASS
B4	10	High	20350	1750	64QAM	8.9902	9.9983	PASS
B4	15	Low	20025	1717.5	QPSK	13.495	14.966	PASS
B4	15	Low	20025	1717.5	16QAM	13.486	14.945	PASS
B4	15	Low	20025	1717.5	64QAM	13.485	14.837	PASS
B4	15	Mid	20175	1732.5	QPSK	13.517	15.006	PASS
B4	15	Mid	20175	1732.5	16QAM	13.520	14.910	PASS
B4	15	Mid	20175	1732.5	64QAM	13.498	14.959	PASS
B4	15	High	20325	1747.5	QPSK	13.506	14.862	PASS
B4	15	High	20325	1747.5	16QAM	13.488	14.876	PASS
B4	15	High	20325	1747.5	64QAM	13.500	14.872	PASS
B4	20	Low	20050	1720	QPSK	18.006	19.796	PASS
B4	20	Low	20050	1720	16QAM	17.987	20.074	PASS
B4	20	Low	20050	1720	64QAM	18.000	19.786	PASS
B4	20	Mid	20175	1732.5	QPSK	18.019	19.998	PASS
B4	20	Mid	20175	1732.5	16QAM	18.012	19.893	PASS
B4	20	Mid	20175	1732.5	64QAM	18.031	19.675	PASS
B4	20	High	20300	1745	QPSK	17.956	19.742	PASS
B4	20	High	20300	1745	16QAM	18.001	19.890	PASS
B4	20	High	20300	1745	64QAM	17.954	19.781	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B5	1.4	Low	20407	824.7	QPSK	1.1006	1.3630	PASS
B5	1.4	Low	20407	824.7	16QAM	1.1076	1.3590	PASS
B5	1.4	Low	20407	824.7	64QAM	1.1044	1.3731	PASS
B5	1.4	Mid	20525	836.5	QPSK	1.1041	1.3583	PASS
B5	1.4	Mid	20525	836.5	16QAM	1.1157	1.3438	PASS
B5	1.4	Mid	20525	836.5	64QAM	1.1059	1.3320	PASS
B5	1.4	High	20643	848.3	QPSK	1.1042	1.3982	PASS
B5	1.4	High	20643	848.3	16QAM	1.1046	1.3749	PASS
B5	1.4	High	20643	848.3	64QAM	1.1061	1.3825	PASS
B5	3	Low	20415	825.5	QPSK	2.7126	3.0715	PASS
B5	3	Low	20415	825.5	16QAM	2.7145	3.0571	PASS
B5	3	Low	20415	825.5	64QAM	2.7131	3.0773	PASS
B5	3	Mid	20525	836.5	QPSK	2.7168	3.0314	PASS
B5	3	Mid	20525	836.5	16QAM	2.7196	3.1233	PASS
B5	3	Mid	20525	836.5	64QAM	2.7097	3.0415	PASS
B5	3	High	20635	847.5	QPSK	2.7210	3.0752	PASS
B5	3	High	20635	847.5	16QAM	2.7159	3.0790	PASS
B5	3	High	20635	847.5	64QAM	2.7168	3.0137	PASS
B5	5	Low	20425	826.5	QPSK	4.5197	5.1511	PASS
B5	5	Low	20425	826.5	16QAM	4.5073	5.1063	PASS
B5	5	Low	20425	826.5	64QAM	4.5151	5.1855	PASS
B5	5	Mid	20525	836.5	QPSK	4.5187	5.1532	PASS
B5	5	Mid	20525	836.5	16QAM	4.5193	5.1037	PASS
B5	5	Mid	20525	836.5	64QAM	4.5111	5.0678	PASS
B5	5	High	20625	846.5	QPSK	4.5225	5.0902	PASS
B5	5	High	20625	846.5	16QAM	4.5157	5.0885	PASS
B5	5	High	20625	846.5	64QAM	4.5125	5.1720	PASS
B5	10	Low	20450	829	QPSK	9.0258	10.1309	PASS
B5	10	Low	20450	829	16QAM	8.9967	10.0739	PASS
B5	10	Low	20450	829	64QAM	9.0050	10.0049	PASS
B5	10	Mid	20525	836.5	QPSK	9.0199	10.0842	PASS
B5	10	Mid	20525	836.5	16QAM	8.9968	10.0182	PASS
B5	10	Mid	20525	836.5	64QAM	8.9955	10.0560	PASS
B5	10	High	20600	844	QPSK	8.9806	9.9838	PASS
B5	10	High	20600	844	16QAM	8.9916	10.0051	PASS



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B5	10	High	20600	844	64QAM	9.0132	9.9606	PASS
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LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B7	5	Low	20775	2502.5	QPSK	4.5303	5.0849	PASS
B7	5	Low	20775	2502.5	16QAM	4.5155	5.1674	PASS
B7	5	Low	20775	2502.5	64QAM	4.5129	5.1460	PASS
B7	5	Mid	21100	2535	QPSK	4.5152	5.1456	PASS
B7	5	Mid	21100	2535	16QAM	4.5138	5.1614	PASS
B7	5	Mid	21100	2535	64QAM	4.5181	5.1139	PASS
B7	5	High	21425	2567.5	QPSK	4.5166	5.1462	PASS
B7	5	High	21425	2567.5	16QAM	4.5194	5.1097	PASS
B7	5	High	21425	2567.5	64QAM	4.5200	5.1335	PASS
B7	10	Low	20800	2505	QPSK	9.0134	10.0307	PASS
B7	10	Low	20800	2505	16QAM	9.0297	10.1587	PASS
B7	10	Low	20800	2505	64QAM	9.0281	9.9986	PASS
B7	10	Mid	21100	2535	QPSK	9.0196	10.0780	PASS
B7	10	Mid	21100	2535	16QAM	9.0144	10.0322	PASS
B7	10	Mid	21100	2535	64QAM	8.9988	10.0333	PASS
B7	10	High	21400	2565	QPSK	9.0159	9.9968	PASS
B7	10	High	21400	2565	16QAM	9.0036	9.9340	PASS
B7	10	High	21400	2565	64QAM	9.0090	10.0049	PASS
B7	15	Low	20825	2507.5	QPSK	13.501	14.880	PASS
B7	15	Low	20825	2507.5	16QAM	13.500	14.936	PASS
B7	15	Low	20825	2507.5	64QAM	13.475	15.058	PASS
B7	15	Mid	21100	2535	QPSK	13.489	14.810	PASS
B7	15	Mid	21100	2535	16QAM	13.497	14.904	PASS
B7	15	Mid	21100	2535	64QAM	13.504	14.801	PASS
B7	15	High	21375	2562.5	QPSK	13.506	14.926	PASS
B7	15	High	21375	2562.5	16QAM	13.520	14.806	PASS
B7	15	High	21375	2562.5	64QAM	13.527	14.869	PASS
B7	20	Low	20850	2510	QPSK	18.013	19.773	PASS
B7	20	Low	20850	2510	16QAM	17.995	19.729	PASS
B7	20	Low	20850	2510	64QAM	18.001	19.800	PASS
B7	20	Mid	21100	2535	QPSK	17.995	19.888	PASS
B7	20	Mid	21100	2535	16QAM	18.017	19.742	PASS
B7	20	Mid	21100	2535	64QAM	17.977	19.798	PASS
B7	20	High	21350	2560	QPSK	18.023	19.790	PASS
B7	20	High	21350	2560	16QAM	18.020	19.864	PASS



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B7	20	High	21350	2560	64QAM	18.042	19.880	PASS
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LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B12	1.4	Low	23017	699.7	QPSK	1.1001	1.3416	PASS
B12	1.4	Low	23017	699.7	16QAM	1.1075	1.3638	PASS
B12	1.4	Low	23017	699.7	64QAM	1.1018	1.3634	PASS
B12	1.4	Mid	23095	707.5	QPSK	1.1027	1.3619	PASS
B12	1.4	Mid	23095	707.5	16QAM	1.1081	1.3616	PASS
B12	1.4	Mid	23095	707.5	64QAM	1.1059	1.3696	PASS
B12	1.4	High	23173	715.3	QPSK	1.1015	1.3589	PASS
B12	1.4	High	23173	715.3	16QAM	1.1072	1.3747	PASS
B12	1.4	High	23173	715.3	64QAM	1.1004	1.3520	PASS
B12	3	Low	23025	700.5	QPSK	2.7151	3.0358	PASS
B12	3	Low	23025	700.5	16QAM	2.7246	3.0566	PASS
B12	3	Low	23025	700.5	64QAM	2.7149	3.0639	PASS
B12	3	Mid	23095	707.5	QPSK	2.7136	3.0657	PASS
B12	3	Mid	23095	707.5	16QAM	2.7153	3.0289	PASS
B12	3	Mid	23095	707.5	64QAM	2.7142	3.0667	PASS
B12	3	High	23165	714.5	QPSK	2.7123	3.0527	PASS
B12	3	High	23165	714.5	16QAM	2.7097	3.0697	PASS
B12	3	High	23165	714.5	64QAM	2.7110	3.0404	PASS
B12	5	Low	23035	701.5	QPSK	4.5108	5.2625	PASS
B12	5	Low	23035	701.5	16QAM	4.5152	5.1379	PASS
B12	5	Low	23035	701.5	64QAM	4.5214	5.1675	PASS
B12	5	Mid	23095	707.5	QPSK	4.5156	5.1994	PASS
B12	5	Mid	23095	707.5	16QAM	4.5086	5.0821	PASS
B12	5	Mid	23095	707.5	64QAM	4.5115	5.0865	PASS
B12	5	High	23155	713.5	QPSK	4.5278	5.1173	PASS
B12	5	High	23155	713.5	16QAM	4.5205	5.0923	PASS
B12	5	High	23155	713.5	64QAM	4.5139	5.1503	PASS
B12	10	Low	23060	704	QPSK	8.9816	10.0437	PASS
B12	10	Low	23060	704	16QAM	8.9809	9.9839	PASS
B12	10	Low	23060	704	64QAM	9.0147	9.9572	PASS
B12	10	Mid	23095	707.5	QPSK	9.0121	10.1024	PASS
B12	10	Mid	23095	707.5	16QAM	8.9919	10.0054	PASS
B12	10	Mid	23095	707.5	64QAM	8.9969	9.9738	PASS
B12	10	High	23130	711	QPSK	9.0120	9.9884	PASS
B12	10	High	23130	711	16QAM	9.0124	10.0773	PASS



B12	10	High	23130	711	64QAM	9.0156	9.9830	PASS
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LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B13	5	Low	23205	779.5	QPSK	4.4983	5.0619	PASS
B13	5	Low	23205	779.5	16QAM	4.5134	5.1089	PASS
B13	5	Low	23205	779.5	64QAM	4.5155	5.1128	PASS
B13	5	Mid	23230	782	QPSK	4.5213	5.2019	PASS
B13	5	Mid	23230	782	16QAM	4.5307	5.0614	PASS
B13	5	Mid	23230	782	64QAM	4.5223	5.1398	PASS
B13	5	High	23255	784.5	QPSK	4.5197	5.1995	PASS
B13	5	High	23255	784.5	16QAM	4.5147	5.0550	PASS
B13	5	High	23255	784.5	64QAM	4.5082	5.0831	PASS
B13	10	Mid	23230	782	QPSK	8.9963	9.9081	PASS
B13	10	Mid	23230	782	16QAM	8.9840	9.9873	PASS
B13	10	Mid	23230	782	64QAM	8.9952	9.9505	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B66	1.4	Low	131979	1710.7	QPSK	1.1008	1.3708	PASS
B66	1.4	Low	131979	1710.7	16QAM	1.1081	1.3440	PASS
B66	1.4	Low	131979	1710.7	64QAM	1.1092	1.3743	PASS
B66	1.4	Mid	132322	1745	QPSK	1.1025	1.3560	PASS
B66	1.4	Mid	132322	1745	16QAM	1.1102	1.3591	PASS
B66	1.4	Mid	132322	1745	64QAM	1.0998	1.3228	PASS
B66	1.4	High	132665	1779.3	QPSK	1.1033	1.3564	PASS
B66	1.4	High	132665	1779.3	16QAM	1.1079	1.3675	PASS
B66	1.4	High	132665	1779.3	64QAM	1.1006	1.3703	PASS
B66	3	Low	131987	1711.5	QPSK	2.7153	3.0537	PASS
B66	3	Low	131987	1711.5	16QAM	2.7122	3.0591	PASS
B66	3	Low	131987	1711.5	64QAM	2.7070	3.0452	PASS
B66	3	Mid	132322	1745	QPSK	2.7108	3.0496	PASS
B66	3	Mid	132322	1745	16QAM	2.7089	3.0390	PASS
B66	3	Mid	132322	1745	64QAM	2.7262	3.0613	PASS
B66	3	High	132657	1778.5	QPSK	2.7092	3.0511	PASS
B66	3	High	132657	1778.5	16QAM	2.7211	3.0883	PASS
B66	3	High	132657	1778.5	64QAM	2.7064	3.0651	PASS
B66	5	Low	131997	1712.5	QPSK	4.5164	5.2063	PASS
B66	5	Low	131997	1712.5	16QAM	4.5215	5.1493	PASS
B66	5	Low	131997	1712.5	64QAM	4.5088	5.0756	PASS
B66	5	Mid	132322	1745	QPSK	4.5390	5.1542	PASS
B66	5	Mid	132322	1745	16QAM	4.5237	5.1459	PASS
B66	5	Mid	132322	1745	64QAM	4.5272	5.1375	PASS
B66	5	High	132647	1777.5	QPSK	4.5071	5.0861	PASS
B66	5	High	132647	1777.5	16QAM	4.5100	5.0909	PASS
B66	5	High	132647	1777.5	64QAM	4.5326	5.0143	PASS
B66	10	Low	132022	1715	QPSK	9.0324	10.1066	PASS
B66	10	Low	132022	1715	16QAM	8.9983	9.9130	PASS
B66	10	Low	132022	1715	64QAM	9.0015	10.1078	PASS
B66	10	Mid	132322	1745	QPSK	9.0033	10.0062	PASS
B66	10	Mid	132322	1745	16QAM	8.9995	9.8969	PASS
B66	10	Mid	132322	1745	64QAM	8.9990	10.0496	PASS
B66	10	High	132622	1775	QPSK	8.9967	10.1255	PASS
B66	10	High	132622	1775	16QAM	9.0079	9.9845	PASS



REPORT No.: SZ23080316W04

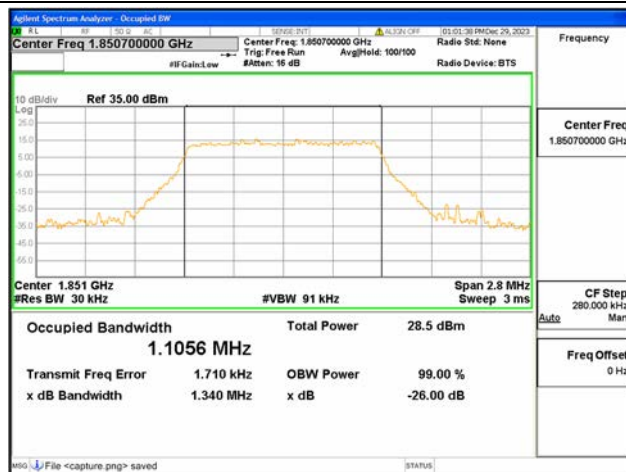
B66	10	High	132622	1775	64QAM	8.9910	9.9296	PASS
B66	15	Low	132047	1717.5	QPSK	13.494	14.840	PASS
B66	15	Low	132047	1717.5	16QAM	13.475	14.943	PASS
B66	15	Low	132047	1717.5	64QAM	13.504	14.823	PASS
B66	15	Mid	132322	1745	QPSK	13.489	14.934	PASS
B66	15	Mid	132322	1745	16QAM	13.494	15.028	PASS
B66	15	Mid	132322	1745	64QAM	13.467	14.981	PASS
B66	15	High	132597	1772.5	QPSK	13.472	14.890	PASS
B66	15	High	132597	1772.5	16QAM	13.454	14.907	PASS
B66	15	High	132597	1772.5	64QAM	13.449	14.798	PASS
B66	20	Low	132072	1720	QPSK	18.015	19.642	PASS
B66	20	Low	132072	1720	16QAM	18.025	19.752	PASS
B66	20	Low	132072	1720	64QAM	18.020	19.804	PASS
B66	20	Mid	132322	1745	QPSK	17.992	19.726	PASS
B66	20	Mid	132322	1745	16QAM	18.001	19.876	PASS
B66	20	Mid	132322	1745	64QAM	17.961	19.618	PASS
B66	20	High	132572	1770	QPSK	18.024	19.803	PASS
B66	20	High	132572	1770	16QAM	17.974	19.652	PASS
B66	20	High	132572	1770	64QAM	17.988	19.762	PASS



B2 / 1.4MHz / QPSK/ Low CH



B2 / 1.4MHz / 16QAM/ Low CH



B2 / 1.4MHz / 64QAM/ Low CH



B2 / 1.4MHz / QPSK/ Mid CH



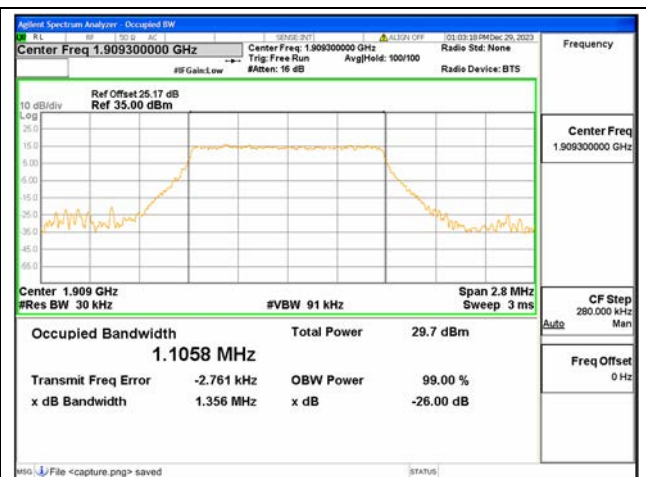
B2 / 1.4MHz / 16QAM/ Mid CH



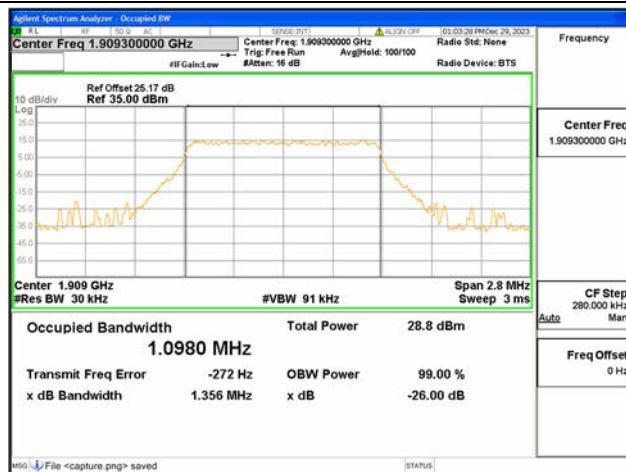
B2 / 1.4MHz / 64QAM/ Mid CH



B2 / 1.4MHz / QPSK/ High CH



B2 / 1.4MHz / 16QAM/ High CH



B2 / 1.4MHz / 64QAM/ High CH



B2 / 3MHz / QPSK/ Low CH



B2 / 3MHz / 16QAM/ Low CH



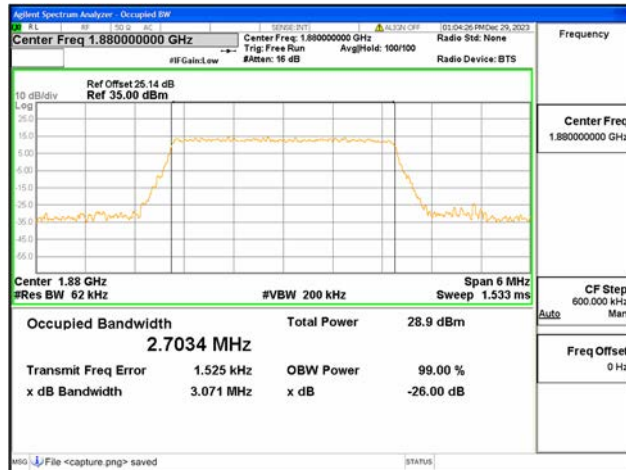
B2 / 3MHz / 64QAM/ Low CH



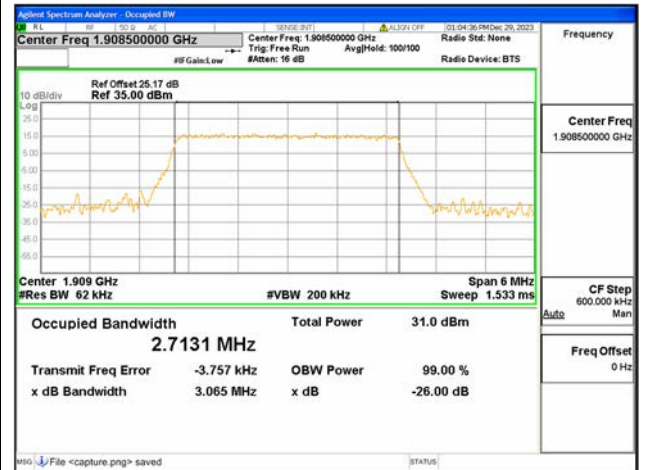
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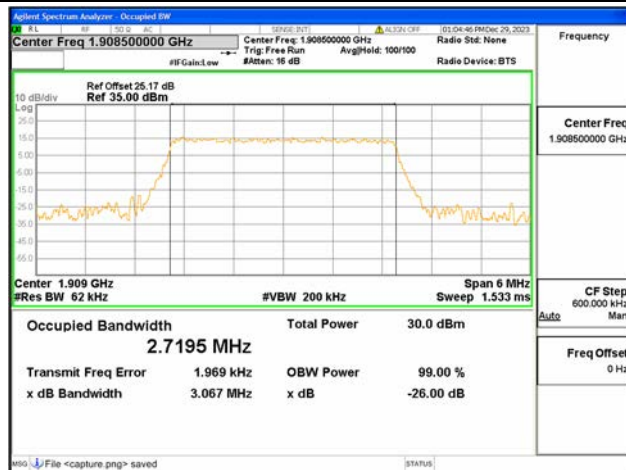
B2 / 3MHz / 16QAM/ Mid CH



B2 / 3MHz / 64QAM/ Mid CH



B2 / 3MHz / QPSK/ High CH



B2 / 3MHz / 16QAM/ High CH



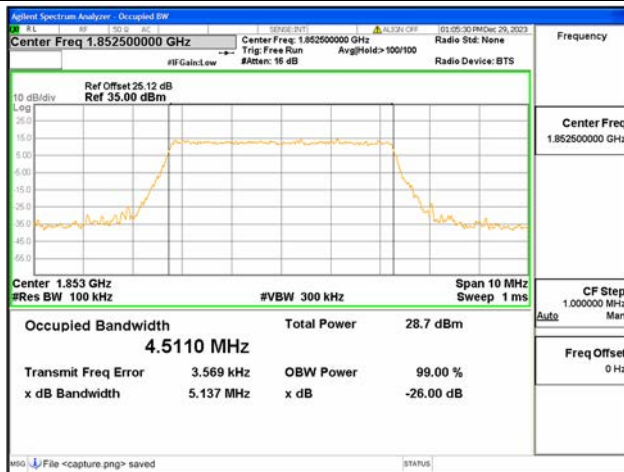
B2 / 3MHz / 64QAM/ High CH



B2 / 5MHz / QPSK/ Low CH



B2 / 5MHz / 16QAM/ Low CH



B2 / 5MHz / 64QAM/ Low CH



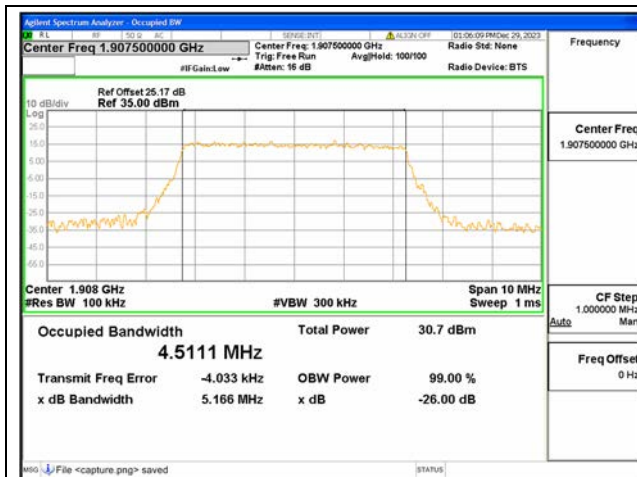
B2 / 5MHz / QPSK/ Mid CH



B2 / 5MHz / 16QAM/ Mid CH



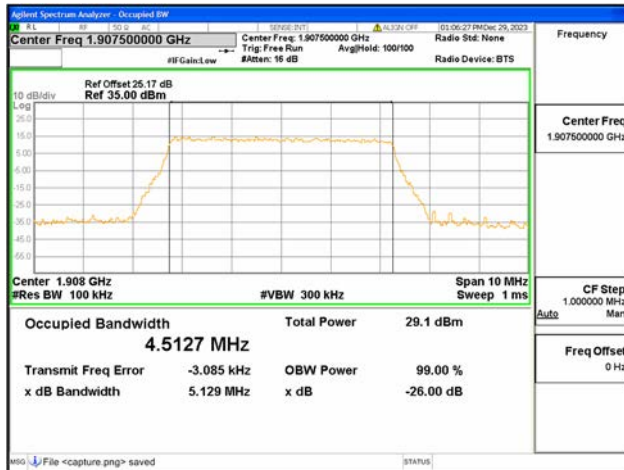
B2 / 5MHz / 64QAM/ Mid CH



B2 / 5MHz / QPSK/ High CH



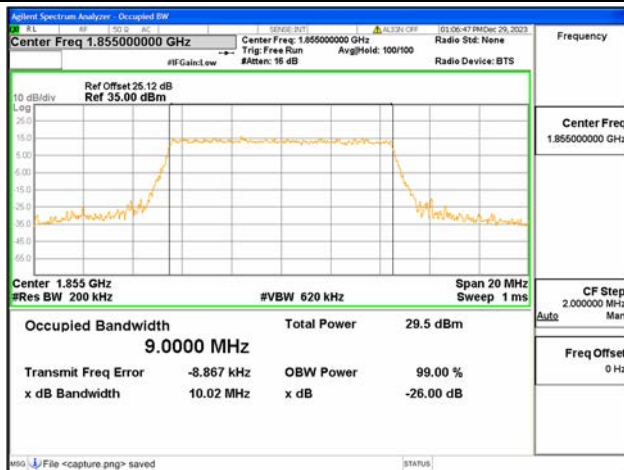
B2 / 5MHz / 16QAM/ High CH



B2 / 5MHz / 64QAM/ High CH



B2 / 10MHz / QPSK/ Low CH



B2 / 10MHz / 64QAM/ Low CH



B2 / 10MHz / 16QAM/ Low CH



B2 / 10MHz / QPSK/ Mid CH



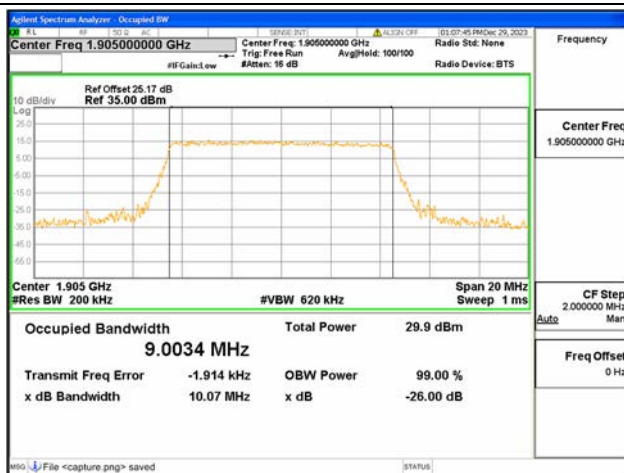
B2 / 10MHz / 16QAM/ Mid CH



B2 / 10MHz / 64QAM/ Mid CH



B2 / 10MHz / QPSK/ High CH



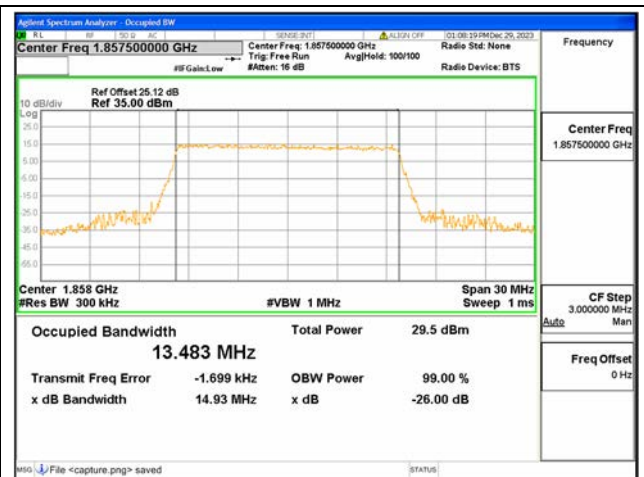
B2 / 10MHz / 16QAM/ High CH



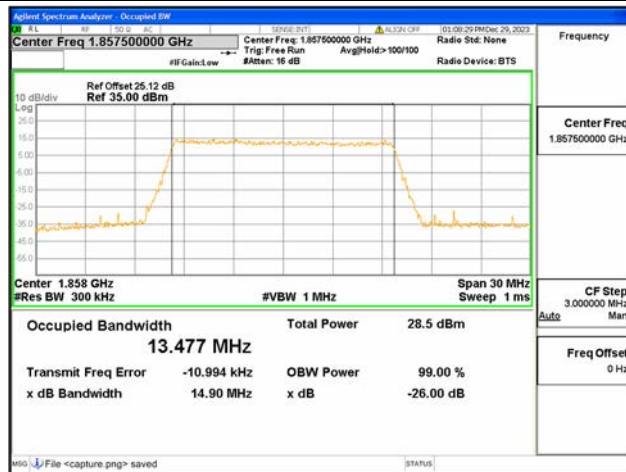
B2 / 10MHz / 64QAM/ High CH



B2 / 15MHz / QPSK/ Low CH



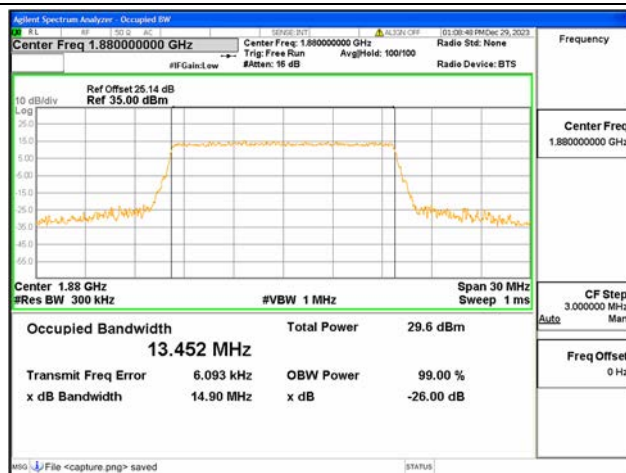
B2 / 15MHz / 16QAM/ Low CH



B2 / 15MHz / 64QAM/ Low CH



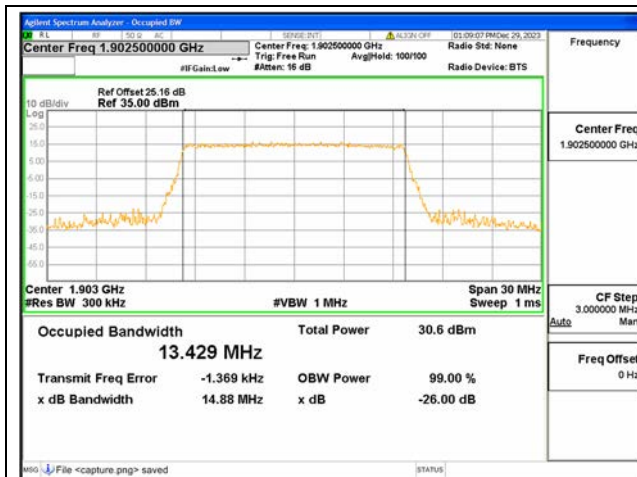
B2 / 15MHz / QPSK/ Mid CH



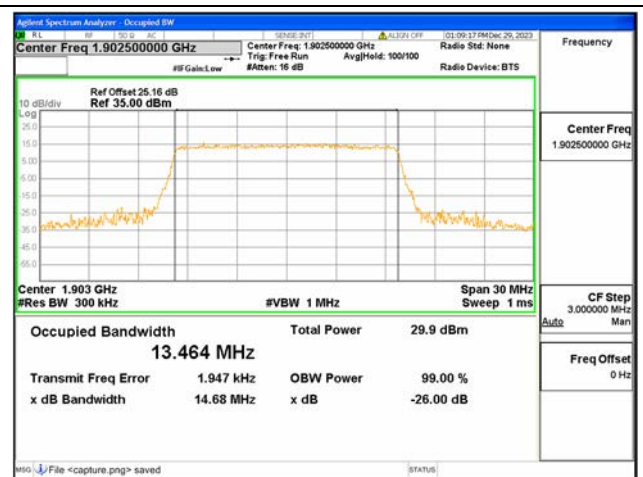
B2 / 15MHz / 16QAM/ Mid CH



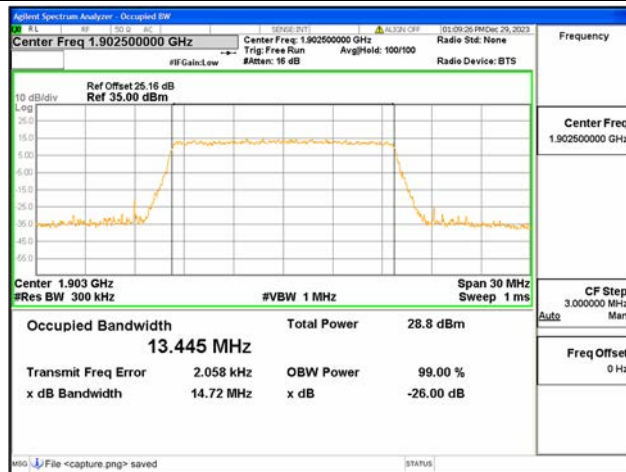
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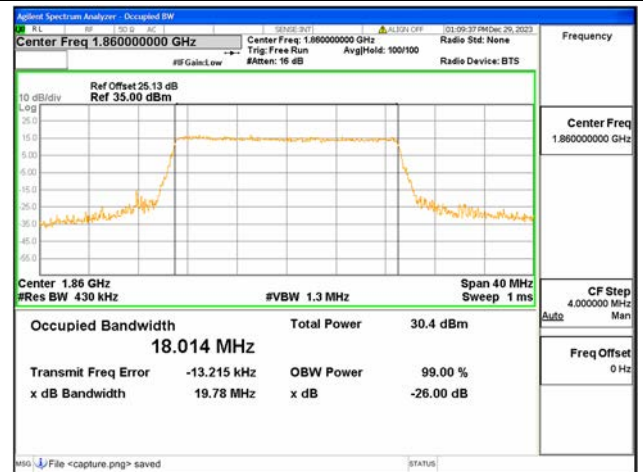
B2 / 15MHz / QPSK/ High CH



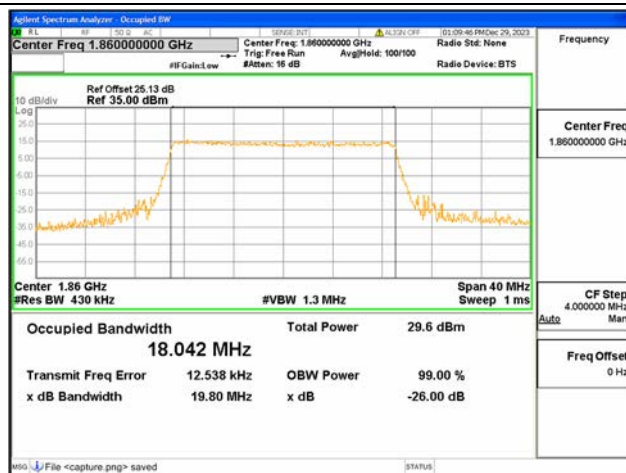
B2 / 15MHz / 16QAM/ High CH



B2 / 15MHz / 64QAM/ High CH



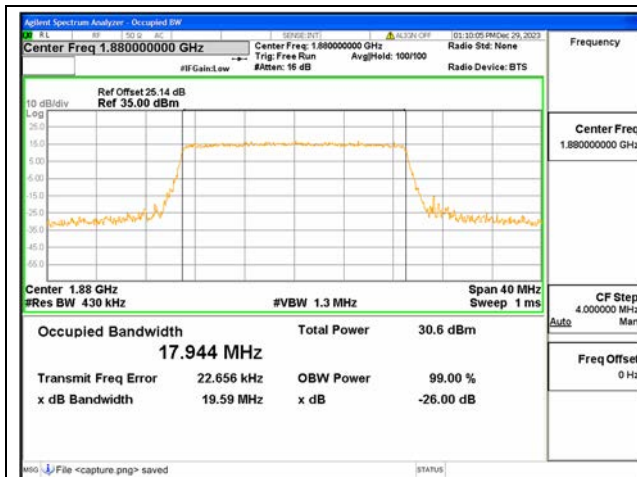
B2 / 20MHz / QPSK/ Low CH



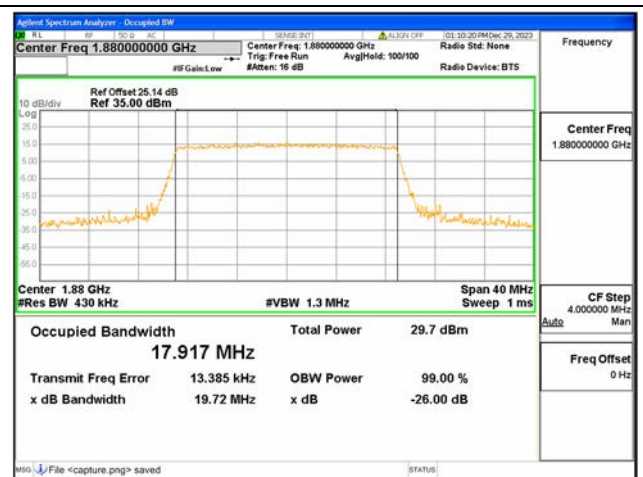
B2 / 20MHz / 16QAM/ Low CH



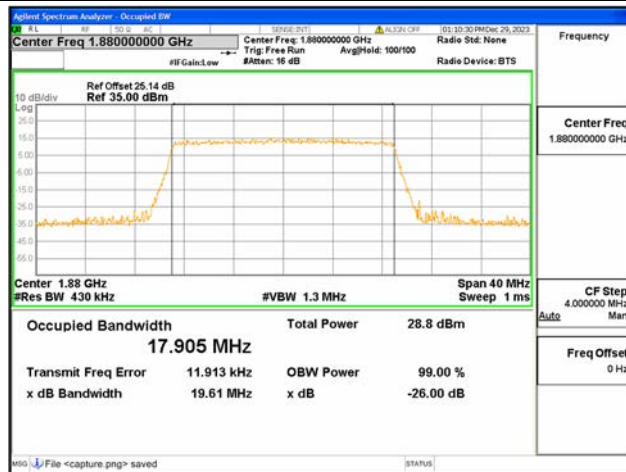
B2 / 20MHz / 64QAM/ Low CH



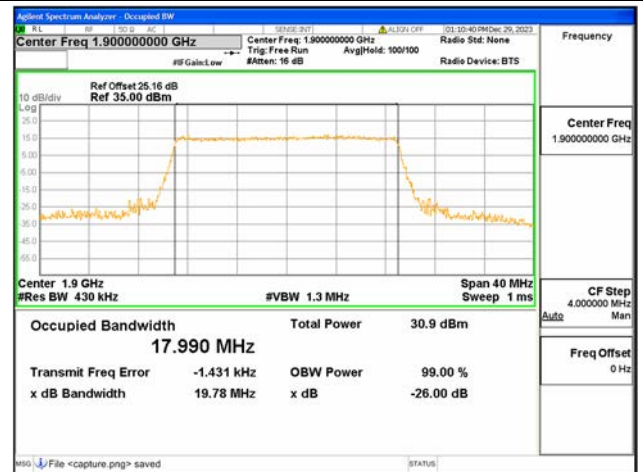
B2 / 20MHz / QPSK/ Mid CH



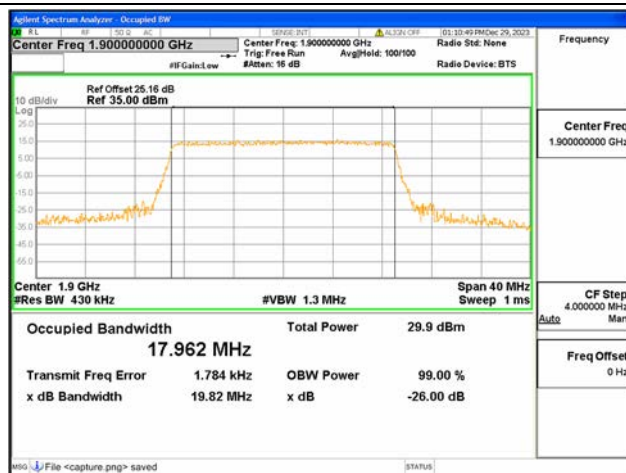
B2 / 20MHz / 16QAM/ Mid CH



B2 / 20MHz / 64QAM/ Mid CH



B2 / 20MHz / QPSK/ High CH



B2 / 20MHz / 16QAM/ High CH



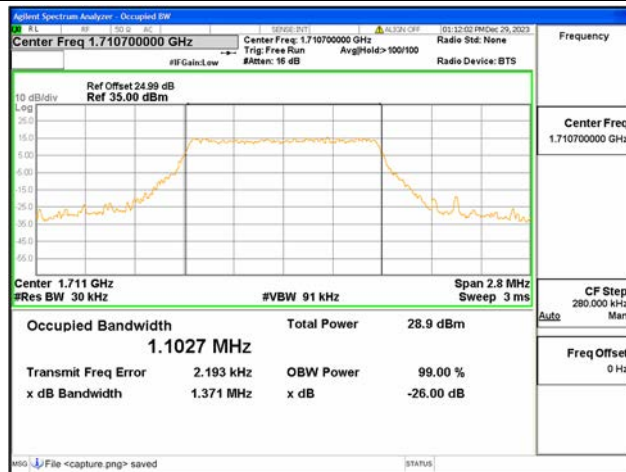
B2 / 20MHz / 64QAM/ High CH



B4 / 1.4MHz / QPSK/ Low CH



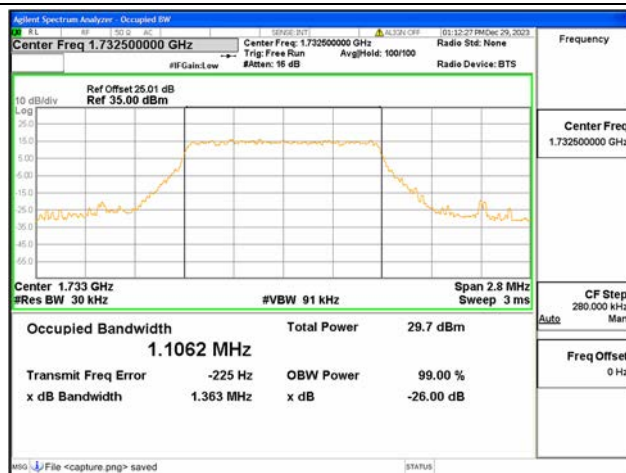
B4 / 1.4MHz / 16QAM/ Low CH



B4 / 1.4MHz / 64QAM/ Low CH



B4 / 1.4MHz / QPSK/ Mid CH



B4 / 1.4MHz / 16QAM/ Mid CH



B4 / 1.4MHz / 64QAM/ Mid CH



B4 / 1.4MHz / QPSK/ High CH



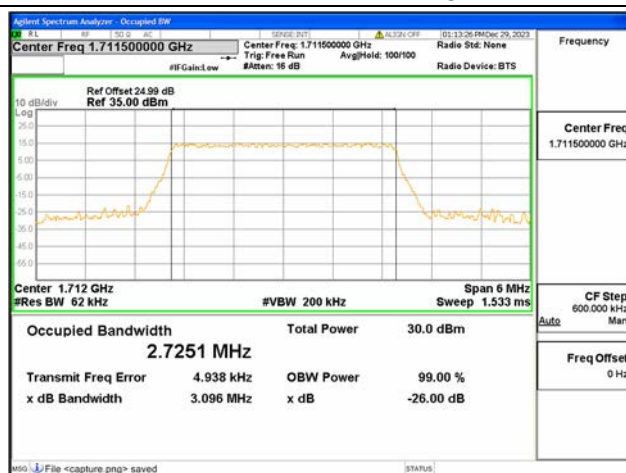
B4 / 1.4MHz / 16QAM/ High CH



B4 / 1.4MHz / 64QAM/ High CH



B4 / 3MHz / QPSK/ Low CH



B4 / 3MHz / 16QAM/ Low CH



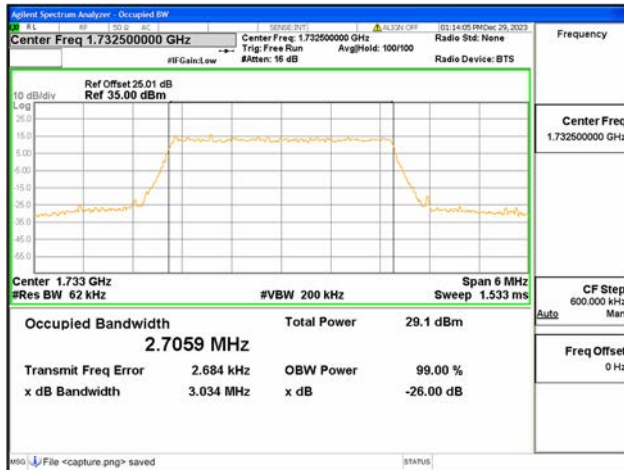
B4 / 3MHz / 64QAM/ Low CH



B4 / 3MHz / QPSK/ Mid CH



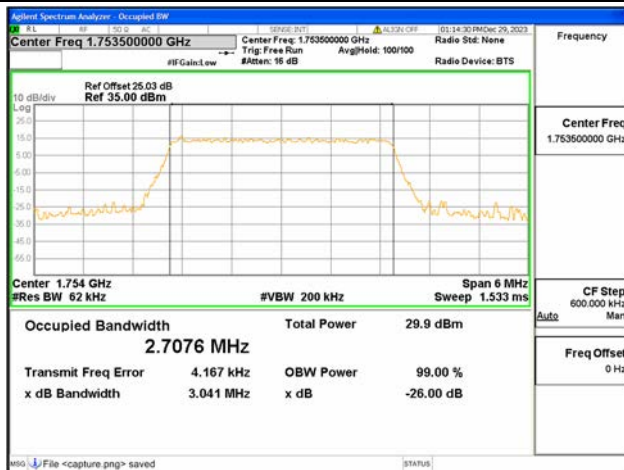
B4 / 3MHz / 16QAM/ Mid CH



B4 / 3MHz / 64QAM/ Mid CH



B4 / 3MHz / QPSK/ High CH



B4 / 3MHz / 16QAM/ High CH



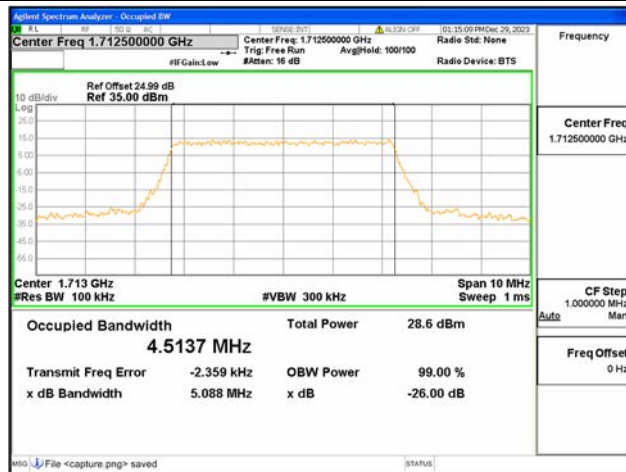
B4 / 3MHz / 64QAM/ High CH



B4 / 5MHz / QPSK/ Low CH



B4 / 5MHz / 16QAM/ Low CH



B4 / 5MHz / 64QAM/ Low CH



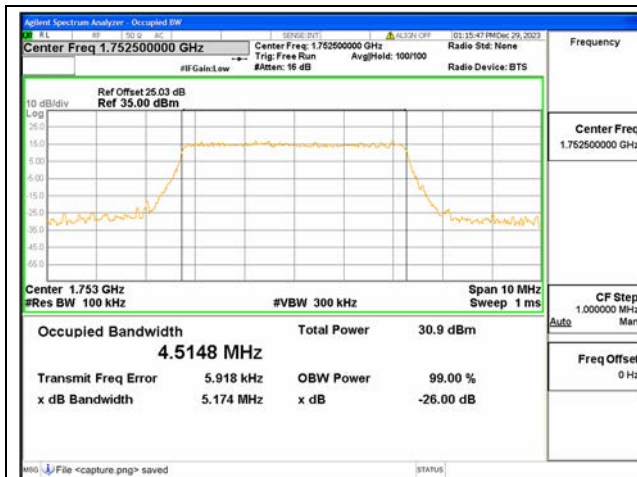
B4 / 5MHz / QPSK/ Mid CH



B4 / 5MHz / 16QAM/ Mid CH



B4 / 5MHz / 64QAM/ Mid CH



B4 / 5MHz / QPSK/ High CH



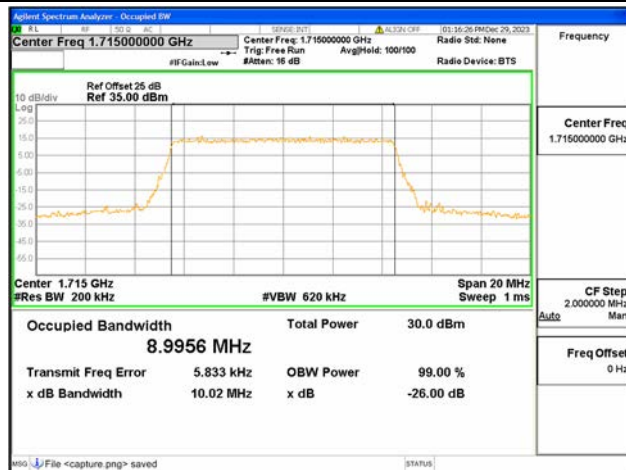
B4 / 5MHz / 16QAM/ High CH



B4 / 5MHz / 64QAM/ High CH



B4 / 10MHz / QPSK/ Low CH



B4 / 10MHz / 64QAM/ Low CH



B4 / 10MHz / 16QAM/ Low CH



B4 / 10MHz / QPSK/ Mid CH



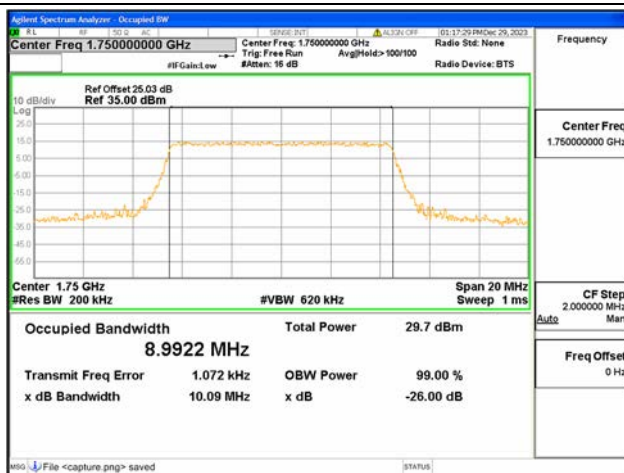
B4 / 10MHz / 16QAM/ Mid CH



B4 / 10MHz / 64QAM/ Mid CH



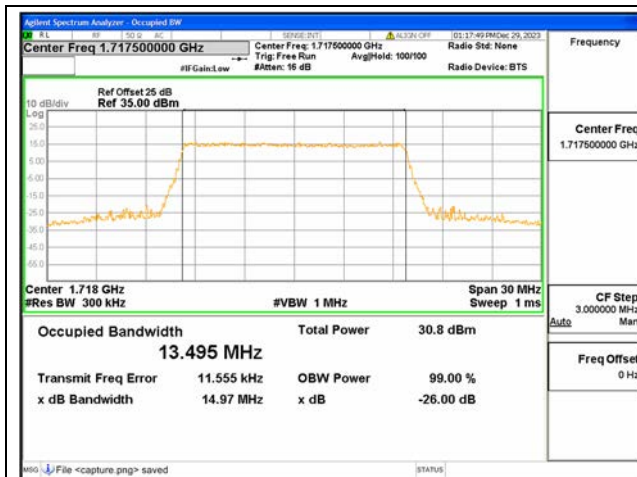
B4 / 10MHz / QPSK/ High CH



B4 / 10MHz / 16QAM/ High CH



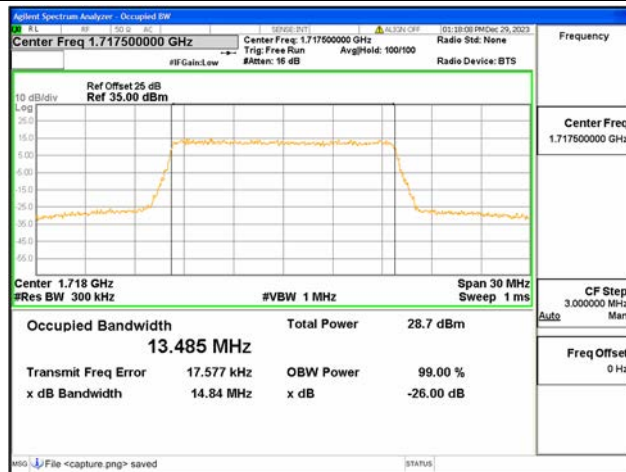
B4 / 10MHz / 64QAM/ High CH



B4 / 15MHz / QPSK/ Low CH



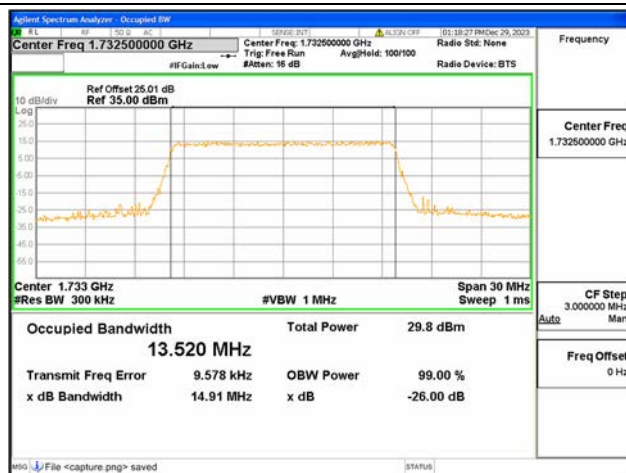
B4 / 15MHz / 16QAM/ Low CH



B4 / 15MHz / 64QAM/ Low CH



B4 / 15MHz / QPSK/ Mid CH



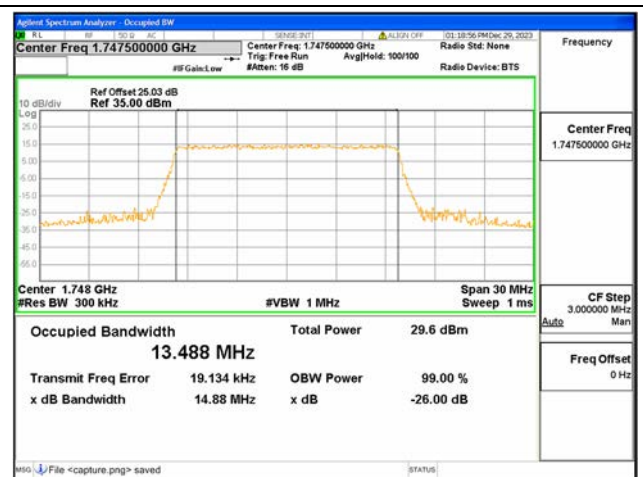
B4 / 15MHz / 16QAM/ Mid CH



B4 / 15MHz / 64QAM/ Mid CH



B4 / 15MHz / QPSK/ High CH



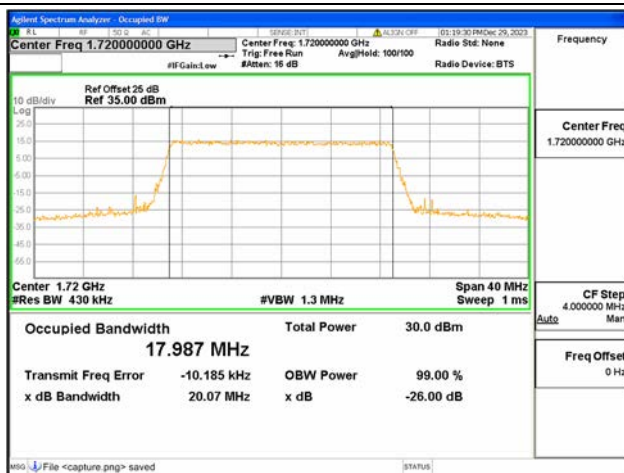
B4 / 15MHz / 16QAM/ High CH



B4 / 15MHz / 64QAM/ High CH



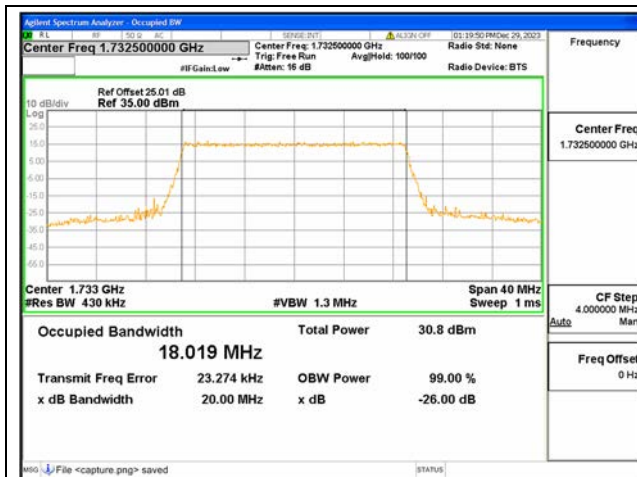
B4 / 20MHz / QPSK/ Low CH



B4 / 20MHz / 16QAM/ Low CH



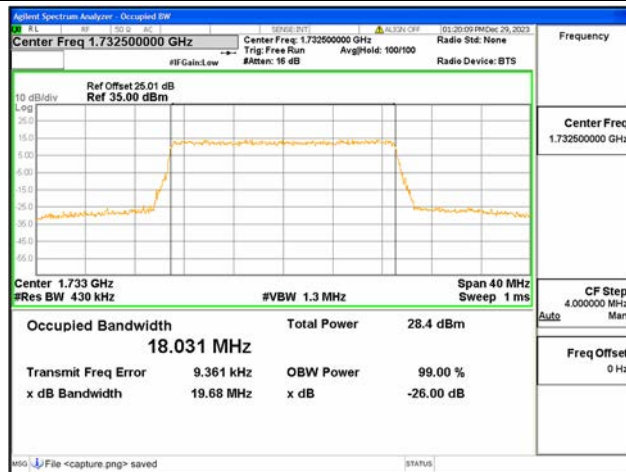
B4 / 20MHz / 64QAM/ Low CH



B4 / 20MHz / QPSK/ Mid CH



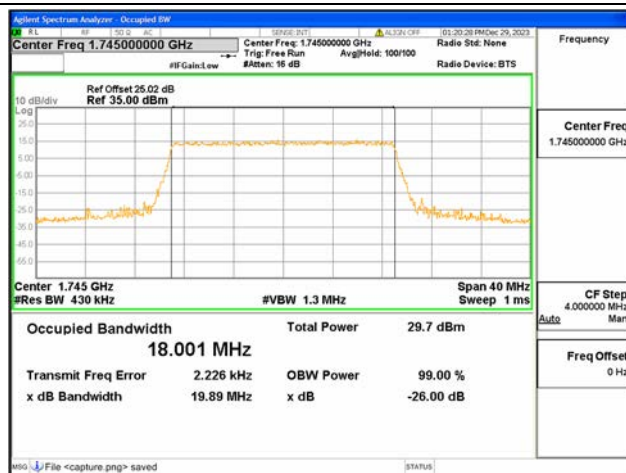
B4 / 20MHz / 16QAM/ Mid CH



B4 / 20MHz / 64QAM/ Mid CH



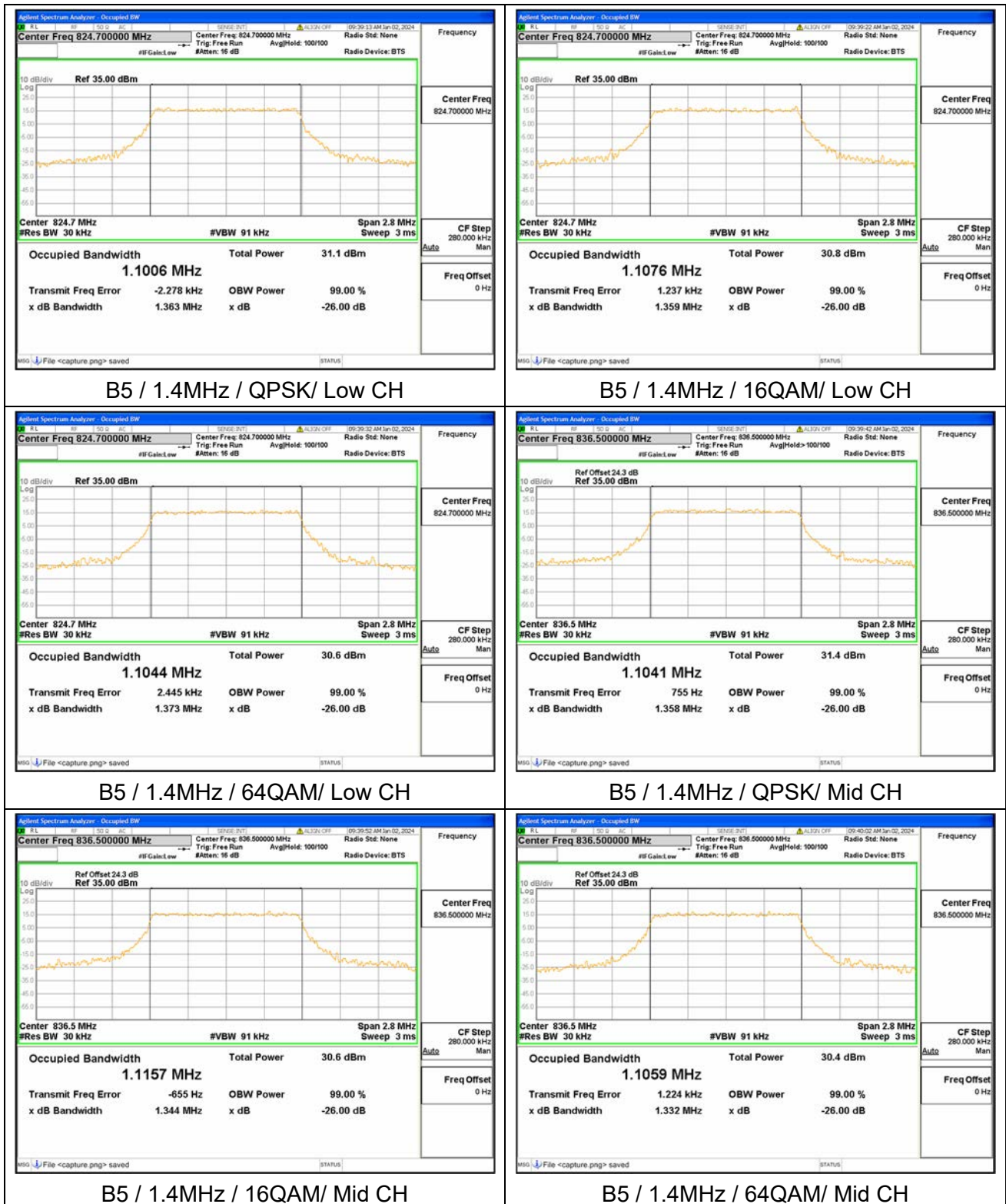
B4 / 20MHz / QPSK/ High CH



B4 / 20MHz / 16QAM/ High CH



B4 / 20MHz / 64QAM/ High CH

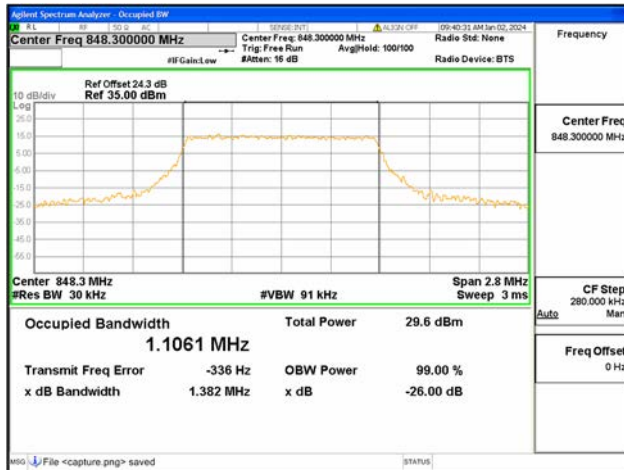




B5 / 1.4MHz / QPSK/ High CH



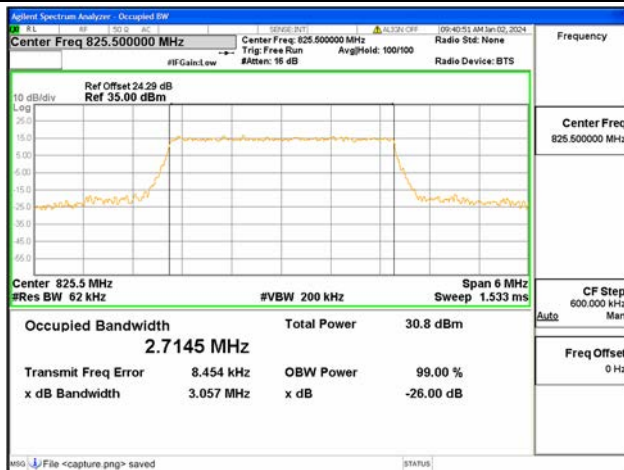
B5 / 1.4MHz / 16QAM/ High CH



B5 / 1.4MHz / 64QAM/ High CH



B5 / 3MHz / QPSK/ Low CH



B5 / 3MHz / 16QAM/ Low CH



B5 / 3MHz / 64QAM/ Low CH



B5 / 3MHz / QPSK/ Mid CH



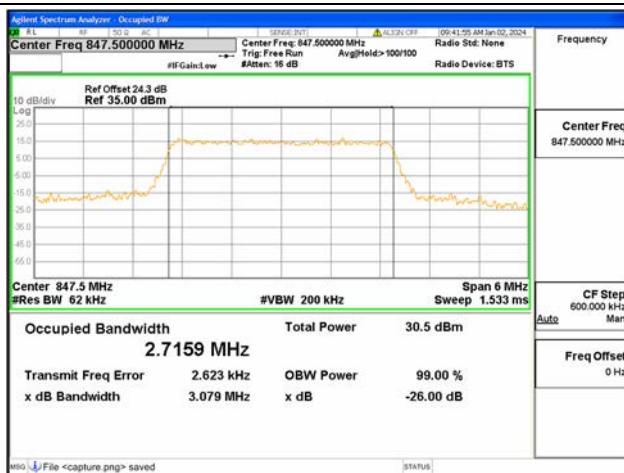
B5 / 3MHz / 16QAM/ Mid CH



B5 / 3MHz / 64QAM/ Mid CH



B5 / 3MHz / QPSK/ High CH



B5 / 3MHz / 16QAM/ High CH



B5 / 3MHz / 64QAM/ High CH