TEST REPORT

APPLICANT	:	BLU Products, Inc.
PRODUCT NAME	:	Tablet
MODEL NAME	:	M8L PLUS
BRAND NAME	:	BLU
FCC ID	:	YHLBLUE8LP71
STANDARD(S)	:	47 CFR Part 22, Subpart H 47 CFR Part 24, Subpart E 47 CFR Part 27, Subpart H&L&M&N
RECEIPT DATE	:	2022-10-26
TEST DATE	:	202-10-26 to 2022-11-01
ISSUE DATE	:	2022-11-16

Edited by: Zeng Xiaoying (Rapporteur)

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Change History		
Version	Date	Reason for change
1.0	2022-11-16	First edition

1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	BLU Products, Inc.
Applicant Address:	10814 NW 33rd St # 100 Doral, FL 33172,USA
Manufacturer:	BLU Products, Inc.
Manufacturer Address:	10814 NW 33rd St # 100 Doral, FL 33172,USA

1.2. Equipment Under Test (EUT) Description

Product Name:	Tablet	
Sample No.:	3#	
Hardware Version:	T864A_V2.0	
Software Version:	BLU_M0213_V12.0.03.00_GENERIC_18-10-2022	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 17 / 66 / 71	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz
	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz –2200MHz
	LTE Band 71	Tx: 663MHz –698MHz
		Rx: 617MHz –652MHz

Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	1.5dBi
	LTE Band 4	1.4dBi
	LTE Band 5	0.7dBi
	LTE Band 7	1.5dBi
	LTE Band 12	1.2dBi
	LTE Band 17	1.2dBi
	LTE Band 66	1.4dBi
	LTE Band 71	1.1dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C1021003430P
	Serial No.:	N/A
	Capacity:	4300mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	Dongguan Andefeng Battery Co., Ltd.
	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-SJ-1500
	Serial No.:	N/A
	Rated Output:	5V⎓1.5A
	Rated Input:	100-240V~50/60Hz, 0.3A
	Manufacturer:	Shenzhen Baijunda Electronic Co., Ltd

Note 1: This is a variant report of original report (Report No.: SZ21080296W05, Model: M8L PLUS), based on the similarity between before, only change FCC ID, software version and enable LTE B71 by software, the others are the same as before. The changes do not affect the results and we added the results for LTE B71 in this report.

Note 2: For a more detailed description, please refer to Specification or User's Manual supplied by

the applicant and/or manufacturer.

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

LTE Band 2	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.325	0.276	0.272	18M0G7D	18M0W7D	18M0W7D
15	0.321	0.263	0.269	13M5G7D	13M5W7D	13M5W7D
10	0.322	0.280	0.257	9M02G7D	8M99W7D	9M00W7D
5	0.321	0.279	0.274	4M51G7D	4M50W7D	4M50W7D
3	0.322	0.284	0.272	2M72G7D	2M72W7D	2M73W7D
1.4	0.319	0.252	0.257	1M09G7D	1M10W7D	1M10W7D
LTE Band 4	**Maximum E.R.P./E.I.R.P. (W)**			**Emission Designator (99%OBW)**		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.321	0.266	0.264	18M0G7D	18M0W7D	18M0W7D
15	0.318	0.254	0.262	13M5G7D	13M5W7D	13M5W7D
10	0.314	0.256	0.265	9M03G7D	8M99W7D	9M01W7D
5	0.313	0.256	0.262	4M50G7D	4M50W7D	4M51W7D
3	0.318	0.249	0.258	2M72G7D	2M72W7D	2M72W7D
1.4	0.312	0.255	0.250	1M10G7D	1M10W7D	1M10W7D
LTE Band 5	**Maximum E.R.P./E.I.R.P. (W)**			**Emission Designator (99%OBW)**		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.157	0.133	0.133	9M05G7D	8M98W7D	9M02W7D
5	0.156	0.132	0.131	4M51G7D	4M51W7D	4M50W7D
3	0.155	0.135	0.131	2M72G7D	2M72W7D	2M73W7D
1.4	0.156	0.136	0.129	1M10G7D	1M10W7D	1M10W7D
LTE Band 7	**Maximum E.R.P./E.I.R.P. (W)**			**Emission Designator (99%OBW)**		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.324	0.244	0.252	18M0G7D	18M0W7D	18M0W7D
15	0.319	0.267	0.254	13M5G7D	13M5W7D	13M5W7D
10	0.313	0.270	0.255	9M03G7D	9M00W7D	9M01W7D
5	0.313	0.251	0.252	4M51G7D	4M51W7D	4M50W7D
LTE Band 12	**Maximum E.R.P./E.I.R.P. (W)**			**Emission Designator (99%OBW)**		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.181	0.145	0.148	9M02G7D	8M99W7D	9M02W7D
5	0.177	0.144	0.145	4M50G7D	4M50W7D	4M51W7D
3	0.178	0.152	0.142	2M71G7D	2M72W7D	2M72W7D
1.4	0.175	0.149	0.139	1M10G7D	1M10W7D	1M10W7D

LTE Band 17	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.177	0.150	0.146	9M02G7D	8M99W7D	9M00W7D
5	0.173	0.147	0.146	4M51G7D	4M50W7D	4M50W7D
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	0.291	0.247	0.254	18M0G7D	18M0W7D	18M1W7D
15	0.287	0.243	0.249	13M5G7D	13M5W7D	13M5W7D
10	0.277	0.249	0.238	9M04G7D	9M02W7D	9M00W7D
5	0.277	0.257	0.245	4M56G7D	4M53W7D	4M53W7D
3	0.274	0.245	0.244	2M75G7D	2M76W7D	2M74W7D
1.4	0.275	0.265	0.246	1M10G7D	1M10W7D	1M10W7D
LTE Band 71	**Maximum E.R.P./E.I.R.P. (W)**			**Emission Designator (99%OBW)**		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.192	0.155	0.121	18M0G7D	18M0W7D	18M0W7D
15	0.188	0.152	0.119	13M5G7D	13M5W7D	13M5W7D
10	0.185	0.149	0.116	9M03G7D	8M99W7D	9M05W7D
5	0.184	0.148	0.115	4M51G7D	4M50W7D	4M50W7D

1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Oct 09, 2021	Chen Hao Song Junyi	PASS	No deviation
2.1049	Occupied Bandwidth	Sep 10&16&23, 2021	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Sep 16, 2021	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Sep 10&23, 2021	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Sep 10&23, 2021	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g)	Band Edge	Sep 10&15, 2021	Li Huaijie	PASS	No deviation

27.53(h) 27.53(m)(4)					
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Sep 15&16, 2021	Huang Zhiye	PASS	No deviation

Note 1: The test results of these test items in this report refer to the test report (Report No.: SZ21110256W05) expect for LTE B71.

Note 2: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016.

Note 3: The path loss during the RF test is calibrated to correct the results by the offset setting in the test equipments. The ref offset 24.5dB contains two parts that cable loss 14.5dB and Attenuator 10dB.

Note 4: 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 5: 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 H&L&M&N Requirements

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

2.1.1. Requirement

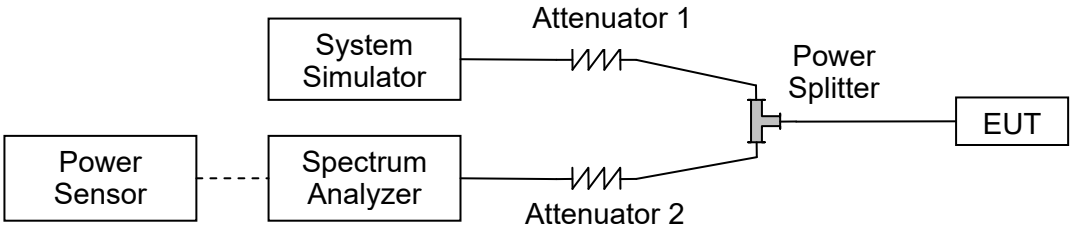
According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current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

According to FCC section 24.232 (c) for LTE Band 2, 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 section22.913 (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 (c)(10) for LTE Band 12/17/71, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

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	23.59	23.62	23.56
20	QPSK	1	49	23.57	23.51	23.44
20	QPSK	1	99	23.51	23.47	23.45
20	QPSK	50	0	22.52	22.61	22.54
20	QPSK	50	24	22.53	22.58	22.58
20	QPSK	50	50	22.58	22.54	22.60
20	QPSK	100	0	22.51	22.60	22.56
20	16QAM	1	0	22.57	22.57	22.59
20	16QAM	1	49	22.41	22.71	22.67
20	16QAM	1	99	22.66	22.51	22.91
20	16QAM	50	0	22.59	22.56	22.54
20	16QAM	50	24	22.55	22.60	22.61
20	16QAM	50	50	22.63	22.60	22.67
20	16QAM	100	0	22.66	22.67	22.54
20	64QAM	1	0	22.61	22.80	22.54
20	64QAM	1	49	22.56	22.74	22.65
20	64QAM	1	99	22.51	22.84	22.84
20	64QAM	50	0	22.61	22.53	22.58
20	64QAM	50	24	22.64	22.58	22.63
20	64QAM	50	50	22.63	22.64	22.58
20	64QAM	100	0	22.51	22.48	22.49

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.40	23.43	23.34
15	QPSK	1	37	23.19	23.55	23.43
15	QPSK	1	74	23.56	23.48	23.56
15	QPSK	36	0	22.38	22.47	22.46
15	QPSK	36	20	22.37	22.56	22.53
15	QPSK	36	39	22.49	22.50	22.47
15	QPSK	75	0	22.41	22.47	22.43
15	16QAM	1	0	22.50	22.58	22.52
15	16QAM	1	37	22.63	22.66	22.52
15	16QAM	1	74	22.58	22.70	22.70
15	16QAM	36	0	22.37	22.42	22.45
15	16QAM	36	20	22.46	22.39	22.52
15	16QAM	36	39	22.51	22.60	22.57
15	16QAM	75	0	22.38	22.40	22.49
15	64QAM	1	0	22.58	22.34	22.40
15	64QAM	1	37	22.57	22.38	22.80
15	64QAM	1	74	22.46	22.50	22.65
15	64QAM	36	0	22.31	22.48	22.36
15	64QAM	36	20	22.51	22.53	22.43
15	64QAM	36	39	22.39	22.44	22.53
15	64QAM	75	0	22.38	22.45	22.44

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.37	23.36	23.46
10	QPSK	1	25	23.48	23.58	23.46
10	QPSK	1	49	23.37	23.45	23.37
10	QPSK	25	0	22.49	22.50	22.46
10	QPSK	25	12	22.45	22.57	22.50
10	QPSK	25	25	22.36	22.49	22.45
10	QPSK	50	0	22.42	22.51	22.49
10	16QAM	1	0	22.90	22.83	22.82
10	16QAM	1	25	22.59	22.55	22.62
10	16QAM	1	49	22.54	22.62	22.41
10	16QAM	25	0	22.44	22.43	22.40
10	16QAM	25	12	22.60	22.40	22.40
10	16QAM	25	25	22.40	22.60	22.70
10	16QAM	50	0	22.97	22.90	22.94
10	64QAM	1	0	22.48	22.53	22.53
10	64QAM	1	25	22.51	22.56	22.60
10	64QAM	1	49	22.18	22.31	22.28
10	64QAM	25	0	22.48	22.52	22.53
10	64QAM	25	12	22.51	22.49	22.50
10	64QAM	25	25	22.44	22.22	22.44
10	64QAM	50	0	22.45	22.45	22.42

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	23.51	23.56	23.50
5	QPSK	1	12	23.50	23.45	23.48
5	QPSK	1	24	23.46	23.54	23.55
5	QPSK	12	0	22.48	22.39	22.46
5	QPSK	12	7	22.49	22.54	22.46
5	QPSK	12	13	22.48	22.47	22.50
5	QPSK	25	0	22.47	22.45	22.47
5	16QAM	1	0	22.60	22.50	22.88
5	16QAM	1	12	22.58	22.51	22.88
5	16QAM	1	24	22.61	22.48	22.87
5	16QAM	12	0	22.70	22.84	22.70
5	16QAM	12	7	22.60	22.60	22.40
5	16QAM	12	13	22.40	22.73	22.50
5	16QAM	25	0	22.50	22.96	22.94
5	64QAM	1	0	22.70	22.42	22.47
5	64QAM	1	12	22.86	22.52	22.63
5	64QAM	1	24	22.87	22.51	22.53
5	64QAM	12	0	22.52	22.45	22.44
5	64QAM	12	7	22.58	22.42	22.42
5	64QAM	12	13	22.55	22.51	22.49
5	64QAM	25	0	22.62	22.42	22.49

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.45	23.52	23.44
3	QPSK	1	8	23.55	23.58	23.41
3	QPSK	1	14	23.56	23.43	23.43
3	QPSK	8	0	22.36	22.31	22.33
3	QPSK	8	4	22.42	22.36	22.37
3	QPSK	8	7	22.42	22.36	22.32
3	QPSK	15	0	22.34	22.42	22.35
3	16QAM	1	0	22.50	22.41	22.35
3	16QAM	1	8	22.54	22.48	22.44
3	16QAM	1	14	22.47	22.44	22.32
3	16QAM	8	0	22.90	23.03	22.95
3	16QAM	8	4	22.97	22.94	23.00
3	16QAM	8	7	22.87	22.92	22.95
3	16QAM	15	0	22.90	22.94	22.89
3	64QAM	1	0	22.43	22.36	22.39
3	64QAM	1	8	22.85	22.84	22.44
3	64QAM	1	14	22.46	22.82	22.46
3	64QAM	8	0	22.38	22.40	22.24
3	64QAM	8	4	22.48	22.38	22.38
3	64QAM	8	7	22.58	22.47	22.33
3	64QAM	15	0	22.43	22.43	22.41

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.51	23.54	23.49
1.4	QPSK	1	3	23.41	23.39	23.38
1.4	QPSK	1	5	23.38	23.36	23.34
1.4	QPSK	3	0	23.38	23.38	23.34
1.4	QPSK	3	1	23.42	23.39	23.37
1.4	QPSK	3	3	23.44	23.48	23.37
1.4	QPSK	6	0	22.32	22.30	22.29
1.4	16QAM	1	0	22.35	22.35	22.29
1.4	16QAM	1	3	22.31	22.51	22.49
1.4	16QAM	1	5	22.19	22.39	22.07
1.4	16QAM	3	0	22.21	22.26	22.23
1.4	16QAM	3	1	22.39	22.21	22.26
1.4	16QAM	3	3	22.41	22.38	22.12
1.4	16QAM	6	0	22.42	22.35	22.30
1.4	64QAM	1	0	22.30	22.22	22.25
1.4	64QAM	1	3	22.32	22.53	22.41
1.4	64QAM	1	5	22.30	22.65	22.24
1.4	64QAM	3	0	22.33	22.39	22.40
1.4	64QAM	3	1	22.42	22.39	22.60
1.4	64QAM	3	3	22.34	22.48	22.25
1.4	64QAM	6	0	22.39	22.42	22.31

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	23.59	23.67	23.66
20	QPSK	1	49	23.45	23.53	23.52
20	QPSK	1	99	23.37	23.50	23.62
20	QPSK	50	0	22.49	22.62	22.59
20	QPSK	50	24	22.49	22.57	22.57
20	QPSK	50	50	22.38	22.49	22.50
20	QPSK	100	0	22.48	22.52	22.59
20	16QAM	1	0	22.35	22.65	22.52
20	16QAM	1	49	22.50	22.27	22.41
20	16QAM	1	99	22.29	22.51	22.35
20	16QAM	50	0	22.48	22.41	22.55
20	16QAM	50	24	22.74	22.85	22.74
20	16QAM	50	50	22.70	22.71	22.71
20	16QAM	100	0	22.72	22.80	22.81
20	64QAM	1	0	22.46	22.57	22.79
20	64QAM	1	49	22.50	22.43	22.31
20	64QAM	1	99	22.77	22.34	22.81
20	64QAM	50	0	22.47	22.56	22.51
20	64QAM	50	24	22.49	22.60	22.54
20	64QAM	50	50	22.53	22.48	22.50
20	64QAM	100	0	22.56	22.54	22.63

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				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	23.46	23.50	23.60
15	QPSK	1	37	23.50	23.59	23.51
15	QPSK	1	74	23.37	23.59	23.62
15	QPSK	36	0	22.43	22.50	22.53
15	QPSK	36	20	22.47	22.60	22.56
15	QPSK	36	39	22.52	22.51	22.60
15	QPSK	75	0	22.47	22.49	22.50
15	16QAM	1	0	22.41	22.63	22.35
15	16QAM	1	37	22.49	22.49	22.33
15	16QAM	1	74	22.35	22.65	22.44
15	16QAM	36	0	22.36	22.38	22.57
15	16QAM	36	20	22.31	22.38	22.44
15	16QAM	36	39	22.27	22.36	22.42
15	16QAM	75	0	22.38	22.39	22.48
15	64QAM	1	0	22.33	22.64	22.69
15	64QAM	1	37	22.75	22.51	22.57
15	64QAM	1	74	22.79	22.50	22.54
15	64QAM	36	0	22.44	22.51	22.55
15	64QAM	36	20	22.50	22.52	22.54
15	64QAM	36	39	22.53	22.49	22.51
15	64QAM	75	0	22.46	22.57	22.50

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	23.38	23.57	23.40
10	QPSK	1	25	23.36	23.49	23.50
10	QPSK	1	49	23.44	23.27	23.50
10	QPSK	25	0	22.26	22.48	22.50
10	QPSK	25	12	22.38	22.44	22.48
10	QPSK	25	25	22.27	22.38	22.45
10	QPSK	50	0	22.33	22.43	22.35
10	16QAM	1	0	22.32	22.47	22.23
10	16QAM	1	25	22.59	22.33	22.65
10	16QAM	1	49	22.66	22.56	22.55
10	16QAM	25	0	22.32	22.31	22.30
10	16QAM	25	12	22.24	22.34	22.31
10	16QAM	25	25	22.58	22.49	22.58
10	16QAM	50	0	22.52	22.56	22.68
10	64QAM	1	0	22.38	22.46	22.36
10	64QAM	1	25	22.45	22.74	22.83
10	64QAM	1	49	22.43	22.47	22.42
10	64QAM	25	0	22.27	22.41	22.40
10	64QAM	25	12	22.36	22.47	22.51
10	64QAM	25	25	22.24	22.36	22.38
10	64QAM	50	0	22.30	22.37	22.36

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	23.28	23.50	23.55
5	QPSK	1	12	23.34	23.49	23.46
5	QPSK	1	24	23.29	23.41	23.40
5	QPSK	12	0	22.34	22.34	22.38
5	QPSK	12	7	22.34	22.45	22.42
5	QPSK	12	13	22.29	22.46	22.38
5	QPSK	25	0	22.32	22.36	22.42
5	16QAM	1	0	22.22	22.63	22.31
5	16QAM	1	12	22.33	22.68	22.27
5	16QAM	1	24	22.27	22.62	22.22
5	16QAM	12	0	22.26	22.20	22.23
5	16QAM	12	7	22.29	22.33	22.31
5	16QAM	12	13	22.56	22.63	22.67
5	16QAM	25	0	22.57	22.68	22.61
5	64QAM	1	0	22.34	22.78	22.76
5	64QAM	1	12	22.72	22.48	22.75
5	64QAM	1	24	22.68	22.38	22.45
5	64QAM	12	0	22.35	22.42	22.44
5	64QAM	12	7	22.34	22.43	22.49
5	64QAM	12	13	22.35	22.41	22.40
5	64QAM	25	0	22.30	22.44	22.35

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	23.40	23.41	23.53
3	QPSK	1	8	23.49	23.63	23.57
3	QPSK	1	14	23.29	23.48	23.48
3	QPSK	8	0	22.32	22.38	22.39
3	QPSK	8	4	22.38	22.46	22.48
3	QPSK	8	7	22.34	22.44	22.44
3	QPSK	15	0	22.34	22.40	22.34
3	16QAM	1	0	22.42	22.51	22.55
3	16QAM	1	8	22.64	22.64	22.38
3	16QAM	1	14	22.55	22.33	22.41
3	16QAM	8	0	22.34	22.35	22.44
3	16QAM	8	4	22.44	22.44	22.45
3	16QAM	8	7	22.66	22.74	22.78
3	16QAM	15	0	22.66	22.64	22.71
3	64QAM	1	0	22.33	22.42	22.40
3	64QAM	1	8	22.52	22.40	22.56
3	64QAM	1	14	22.33	22.40	22.23
3	64QAM	8	0	22.31	22.35	22.29
3	64QAM	8	4	22.43	22.41	22.45
3	64QAM	8	7	22.37	22.44	22.56
3	64QAM	15	0	22.33	22.41	22.32

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	23.15	23.36	23.37
1.4	QPSK	1	3	23.49	23.49	23.53
1.4	QPSK	1	5	23.35	23.44	23.46
1.4	QPSK	3	0	23.43	23.40	23.39
1.4	QPSK	3	1	23.39	23.49	23.54
1.4	QPSK	3	3	23.38	23.45	23.44
1.4	QPSK	6	0	22.37	22.39	22.35
1.4	16QAM	1	0	22.31	22.78	22.44
1.4	16QAM	1	3	22.44	22.52	22.56
1.4	16QAM	1	5	22.50	22.66	22.46
1.4	16QAM	3	0	22.53	22.57	22.48
1.4	16QAM	3	1	22.54	22.57	22.59
1.4	16QAM	3	3	22.53	22.65	22.54
1.4	16QAM	6	0	22.44	22.45	22.36
1.4	64QAM	1	0	22.22	22.16	22.30
1.4	64QAM	1	3	22.48	22.46	22.58
1.4	64QAM	1	5	22.39	22.35	22.19
1.4	64QAM	3	0	22.30	22.28	22.47
1.4	64QAM	3	1	22.21	22.36	22.33
1.4	64QAM	3	3	22.27	22.44	22.32
1.4	64QAM	6	0	22.26	22.27	22.34

LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.41	23.42	23.34
10	QPSK	1	25	23.27	23.30	23.10
10	QPSK	1	49	23.19	23.31	22.99
10	QPSK	25	0	22.72	22.74	22.65
10	QPSK	25	12	22.48	22.50	22.55
10	QPSK	25	25	22.48	22.59	22.64
10	QPSK	50	0	22.54	22.42	22.56
10	16QAM	1	0	22.43	22.62	22.33
10	16QAM	1	25	22.66	22.69	22.37
10	16QAM	1	49	22.49	22.55	22.62
10	16QAM	25	0	22.58	22.59	22.41
10	16QAM	25	12	22.52	22.60	22.38
10	16QAM	25	25	22.55	22.48	22.51
10	16QAM	50	0	22.56	22.47	22.37
10	64QAM	1	0	22.52	22.62	22.50
10	64QAM	1	25	22.49	22.69	22.49
10	64QAM	1	49	22.38	22.60	22.51
10	64QAM	25	0	22.49	22.60	22.27
10	64QAM	25	12	22.48	22.65	22.36
10	64QAM	25	25	22.60	22.49	22.19
10	64QAM	50	0	22.56	22.52	22.38

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	23.36	23.32	23.30
5	QPSK	1	12	23.26	23.37	23.21
5	QPSK	1	24	23.26	23.21	23.21
5	QPSK	12	0	22.63	22.68	22.54
5	QPSK	12	7	22.70	22.71	22.63
5	QPSK	12	13	22.75	22.59	22.54
5	QPSK	25	0	22.51	22.47	22.39
5	16QAM	1	0	22.65	22.58	22.49
5	16QAM	1	12	22.35	22.57	22.48
5	16QAM	1	24	22.22	22.57	22.55
5	16QAM	12	0	22.31	22.40	22.54
5	16QAM	12	7	22.38	22.41	22.38
5	16QAM	12	13	22.38	22.29	22.49
5	16QAM	25	0	22.39	22.44	22.54
5	64QAM	1	0	22.46	22.34	22.60
5	64QAM	1	12	22.34	22.28	22.57
5	64QAM	1	24	22.63	22.47	22.41
5	64QAM	12	0	22.35	22.49	22.29
5	64QAM	12	7	22.39	22.55	22.33
5	64QAM	12	13	22.57	22.52	22.09
5	64QAM	25	0	22.45	22.52	22.13

LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	23.05	23.36	23.21
3	QPSK	1	8	23.31	23.32	23.23
3	QPSK	1	14	23.32	23.30	23.04
3	QPSK	8	0	22.41	22.54	22.52
3	QPSK	8	4	22.55	22.61	22.58
3	QPSK	8	7	22.50	22.52	22.39
3	QPSK	15	0	22.48	22.54	22.53
3	16QAM	1	0	22.50	22.61	22.68
3	16QAM	1	8	22.43	22.69	22.53
3	16QAM	1	14	22.48	22.74	22.49
3	16QAM	8	0	22.44	22.53	22.27
3	16QAM	8	4	22.60	22.71	22.28
3	16QAM	8	7	22.52	22.58	22.32
3	16QAM	15	0	22.46	22.48	22.03
3	64QAM	1	0	22.41	22.29	22.50
3	64QAM	1	8	22.29	22.53	22.29
3	64QAM	1	14	22.31	22.49	22.30
3	64QAM	8	0	22.41	22.51	22.49
3	64QAM	8	4	22.63	22.47	22.41
3	64QAM	8	7	22.58	22.50	22.47
3	64QAM	15	0	22.47	22.57	22.37

LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	23.26	23.33	23.37
1.4	QPSK	1	3	23.39	23.32	23.39
1.4	QPSK	1	5	23.28	23.22	23.23
1.4	QPSK	3	0	23.29	23.35	23.31
1.4	QPSK	3	1	23.35	23.22	23.32
1.4	QPSK	3	3	23.36	23.28	23.28
1.4	QPSK	6	0	22.46	22.45	22.44
1.4	16QAM	1	0	22.59	22.40	22.57
1.4	16QAM	1	3	22.39	22.63	22.52
1.4	16QAM	1	5	22.78	22.46	22.52
1.4	16QAM	3	0	22.31	22.29	22.43
1.4	16QAM	3	1	22.34	22.61	22.47
1.4	16QAM	3	3	22.42	22.53	22.41
1.4	16QAM	6	0	22.61	22.48	22.52
1.4	64QAM	1	0	22.14	22.31	22.33
1.4	64QAM	1	3	22.45	22.46	22.41
1.4	64QAM	1	5	22.40	22.39	22.27
1.4	64QAM	3	0	22.06	22.33	22.34
1.4	64QAM	3	1	22.34	22.28	22.29
1.4	64QAM	3	3	22.24	22.41	22.45
1.4	64QAM	6	0	22.45	22.57	22.46

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	23.60	23.61	23.53
20	QPSK	1	49	23.55	23.59	23.48
20	QPSK	1	99	23.50	23.45	23.50
20	QPSK	50	0	22.46	22.53	22.50
20	QPSK	50	24	22.22	22.19	22.09
20	QPSK	50	50	22.32	22.35	22.32
20	QPSK	100	0	22.27	22.29	22.26
20	16QAM	1	0	22.08	22.18	22.36
20	16QAM	1	49	22.23	22.09	22.37
20	16QAM	1	99	22.17	22.48	22.13
20	16QAM	50	0	22.02	22.12	22.05
20	16QAM	50	24	22.07	21.99	22.10
20	16QAM	50	50	22.15	22.20	22.03
20	16QAM	100	0	22.03	22.15	22.13
20	64QAM	1	0	22.51	22.35	22.08
20	64QAM	1	49	22.45	22.42	22.47
20	64QAM	1	99	22.43	22.48	22.39
20	64QAM	50	0	22.17	22.18	22.23
20	64QAM	50	24	22.22	22.23	22.23
20	64QAM	50	50	22.26	22.33	22.18
20	64QAM	100	0	22.19	22.16	22.28

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	23.43	23.52	23.52
15	QPSK	1	37	23.53	23.50	23.54
15	QPSK	1	74	23.47	23.54	23.54
15	QPSK	36	0	22.25	22.34	22.36
15	QPSK	36	20	22.33	22.40	22.35
15	QPSK	36	39	22.36	22.39	22.43
15	QPSK	75	0	22.42	22.35	22.37
15	16QAM	1	0	22.58	22.69	22.76
15	16QAM	1	37	22.40	22.51	22.49
15	16QAM	1	74	22.44	22.44	22.66
15	16QAM	36	0	22.03	22.14	22.16
15	16QAM	36	20	22.10	22.13	22.12
15	16QAM	36	39	22.16	22.14	22.03
15	16QAM	75	0	22.11	22.19	22.11
15	64QAM	1	0	22.41	22.38	22.26
15	64QAM	1	37	22.31	22.46	22.55
15	64QAM	1	74	22.30	22.42	22.48
15	64QAM	36	0	22.15	22.23	22.22
15	64QAM	36	20	22.26	22.25	22.32
15	64QAM	36	39	22.30	22.21	22.23
15	64QAM	75	0	22.15	22.25	22.20

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	23.42	23.29	23.32
10	QPSK	1	25	23.45	23.35	23.37
10	QPSK	1	49	23.38	23.35	23.37
10	QPSK	25	0	22.32	22.32	22.31
10	QPSK	25	12	22.28	22.40	22.45
10	QPSK	25	25	22.21	22.39	22.39
10	QPSK	50	0	22.30	22.42	22.41
10	16QAM	1	0	22.35	22.53	22.38
10	16QAM	1	25	22.34	22.36	22.41
10	16QAM	1	49	22.81	22.71	22.62
10	16QAM	25	0	22.24	22.12	22.20
10	16QAM	25	12	22.06	22.23	22.16
10	16QAM	25	25	22.11	22.14	22.06
10	16QAM	50	0	22.14	22.23	22.08
10	64QAM	1	0	22.56	22.52	22.50
10	64QAM	1	25	22.25	22.50	22.33
10	64QAM	1	49	22.36	22.60	22.41
10	64QAM	25	0	22.22	22.20	22.24
10	64QAM	25	12	22.24	22.35	22.28
10	64QAM	25	25	22.17	22.07	22.06
10	64QAM	50	0	22.11	22.17	22.09

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	23.46	23.37	23.27
5	QPSK	1	12	23.33	23.26	23.34
5	QPSK	1	24	23.27	23.33	23.37
5	QPSK	12	0	22.12	22.20	22.12
5	QPSK	12	7	22.19	22.34	22.26
5	QPSK	12	13	22.21	22.37	22.22
5	QPSK	25	0	22.22	22.23	22.18
5	16QAM	1	0	22.20	22.18	22.24
5	16QAM	1	12	22.25	22.47	22.37
5	16QAM	1	24	22.31	22.50	22.32
5	16QAM	12	0	22.22	22.28	22.19
5	16QAM	12	7	22.11	22.13	22.09
5	16QAM	12	13	22.11	22.17	22.30
5	16QAM	25	0	22.08	22.13	22.15
5	64QAM	1	0	22.32	22.37	22.33
5	64QAM	1	12	22.37	22.49	22.37
5	64QAM	1	24	22.41	22.51	22.47
5	64QAM	12	0	22.12	22.09	22.14
5	64QAM	12	7	22.21	22.26	22.05
5	64QAM	12	13	22.16	22.25	22.11
5	64QAM	25	0	22.11	22.10	22.15

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.46	23.52	23.45
10	QPSK	1	25	23.22	23.35	23.38
10	QPSK	1	49	23.32	23.33	23.32
10	QPSK	25	0	22.61	22.71	22.62
10	QPSK	25	12	22.58	22.52	22.31
10	QPSK	25	25	22.63	22.69	22.62
10	QPSK	50	0	22.64	22.66	22.57
10	16QAM	1	0	22.57	22.12	22.25
10	16QAM	1	25	22.32	22.27	22.41
10	16QAM	1	49	22.41	22.46	22.35
10	16QAM	25	0	22.30	22.32	22.26
10	16QAM	25	12	22.34	22.38	22.27
10	16QAM	25	25	22.39	22.40	22.34
10	16QAM	50	0	22.29	22.37	22.42
10	64QAM	1	0	22.14	22.26	22.60
10	64QAM	1	25	22.58	22.64	22.23
10	64QAM	1	49	22.60	22.28	22.21
10	64QAM	25	0	22.11	22.05	22.02
10	64QAM	25	12	22.16	22.19	22.11
10	64QAM	25	25	22.21	22.18	22.18
10	64QAM	50	0	22.13	22.06	22.17

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	23.11	23.44	23.22
5	QPSK	1	12	23.27	23.43	23.27
5	QPSK	1	24	23.23	23.42	23.28
5	QPSK	12	0	22.34	22.41	22.40
5	QPSK	12	7	22.45	22.47	22.44
5	QPSK	12	13	22.40	22.43	22.40
5	QPSK	25	0	22.36	22.48	22.44
5	16QAM	1	0	22.37	22.39	22.41
5	16QAM	1	12	22.54	22.49	22.50
5	16QAM	1	24	22.50	22.48	22.44
5	16QAM	12	0	22.24	22.21	22.24
5	16QAM	12	7	22.38	22.43	22.27
5	16QAM	12	13	22.33	22.30	22.35
5	16QAM	25	0	22.34	22.30	22.32
5	64QAM	1	0	22.12	22.13	22.18
5	64QAM	1	12	22.57	22.27	22.20
5	64QAM	1	24	22.55	22.24	22.29
5	64QAM	12	0	22.09	22.11	22.06
5	64QAM	12	7	22.19	22.07	22.13
5	64QAM	12	13	22.06	22.16	22.21
5	64QAM	25	0	22.21	22.17	22.14

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.19	23.46	23.13
3	QPSK	1	8	23.37	23.36	23.26
3	QPSK	1	14	23.31	23.42	23.37
3	QPSK	8	0	22.42	22.40	22.40
3	QPSK	8	4	22.45	22.48	22.49
3	QPSK	8	7	22.40	22.48	22.42
3	QPSK	15	0	22.39	22.47	22.33
3	16QAM	1	0	22.40	22.76	22.35
3	16QAM	1	8	22.60	22.58	22.53
3	16QAM	1	14	22.43	22.48	22.34
3	16QAM	8	0	22.40	22.29	22.32
3	16QAM	8	4	22.45	22.42	22.53
3	16QAM	8	7	22.29	22.32	22.38
3	16QAM	15	0	22.27	22.20	22.19
3	64QAM	1	0	22.13	22.47	22.46
3	64QAM	1	8	22.42	22.32	22.33
3	64QAM	1	14	22.35	22.20	22.31
3	64QAM	8	0	22.02	22.10	22.01
3	64QAM	8	4	22.11	22.15	22.14
3	64QAM	8	7	22.10	22.02	22.17
3	64QAM	15	0	22.09	22.11	22.03

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.22	23.39	23.19
1.4	QPSK	1	3	23.33	23.32	23.34
1.4	QPSK	1	5	23.22	23.27	23.23
1.4	QPSK	3	0	23.17	23.30	23.28
1.4	QPSK	3	1	23.38	23.38	23.05
1.4	QPSK	3	3	23.33	23.35	23.31
1.4	QPSK	6	0	22.39	22.36	22.34
1.4	16QAM	1	0	22.43	22.37	22.22
1.4	16QAM	1	3	22.24	22.67	22.34
1.4	16QAM	1	5	22.36	22.37	22.36
1.4	16QAM	3	0	22.20	22.23	22.24
1.4	16QAM	3	1	22.36	22.44	22.28
1.4	16QAM	3	3	22.19	22.33	22.33
1.4	16QAM	6	0	22.12	22.32	22.22
1.4	64QAM	1	0	21.97	22.12	21.96
1.4	64QAM	1	3	22.09	22.02	22.07
1.4	64QAM	1	5	22.25	22.28	22.24
1.4	64QAM	3	0	22.15	22.16	21.99
1.4	64QAM	3	1	22.13	22.37	22.22
1.4	64QAM	3	3	22.15	21.99	22.15
1.4	64QAM	6	0	22.11	22.12	21.99

LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	23.40	23.43	23.40
10	QPSK	1	25	23.28	23.24	23.30
10	QPSK	1	49	23.21	23.24	23.19
10	QPSK	25	0	22.51	22.57	22.49
10	QPSK	25	12	22.36	22.30	22.44
10	QPSK	25	25	22.34	22.34	22.43
10	QPSK	50	0	22.47	22.34	22.35
10	16QAM	1	0	22.20	22.39	22.53
10	16QAM	1	25	22.41	22.70	22.54
10	16QAM	1	49	22.37	22.62	22.67
10	16QAM	25	0	22.31	22.55	22.54
10	16QAM	25	12	22.37	22.52	22.50
10	16QAM	25	25	22.20	22.46	22.51
10	16QAM	50	0	22.24	22.53	22.50
10	64QAM	1	0	22.21	22.54	22.22
10	64QAM	1	25	22.44	22.34	22.24
10	64QAM	1	49	22.18	22.21	22.21
10	64QAM	25	0	22.36	22.53	22.51
10	64QAM	25	12	22.28	22.36	22.53
10	64QAM	25	25	22.22	22.43	22.59
10	64QAM	50	0	22.29	22.52	22.53

LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	23.34	23.30	23.26
5	QPSK	1	12	23.33	23.29	23.28
5	QPSK	1	24	23.25	23.31	23.30
5	QPSK	12	0	22.41	22.59	22.75
5	QPSK	12	7	22.50	22.38	22.46
5	QPSK	12	13	22.42	22.40	22.46
5	QPSK	25	0	22.35	22.50	22.50
5	16QAM	1	0	22.39	22.44	22.16
5	16QAM	1	12	22.56	22.12	22.49
5	16QAM	1	24	22.40	22.45	22.61
5	16QAM	12	0	22.08	22.11	22.32
5	16QAM	12	7	22.08	22.15	22.27
5	16QAM	12	13	21.99	22.24	22.27
5	16QAM	25	0	22.33	22.45	22.49
5	64QAM	1	0	22.13	22.14	22.14
5	64QAM	1	12	22.17	22.14	22.22
5	64QAM	1	24	22.22	22.22	22.14
5	64QAM	12	0	22.28	22.33	22.57
5	64QAM	12	7	22.41	22.49	22.43
5	64QAM	12	13	22.26	22.44	22.46
5	64QAM	25	0	22.23	22.42	22.58

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	23.18	23.24	23.22
20	QPSK	1	49	23.03	23.02	22.98
20	QPSK	1	99	22.96	22.95	22.98
20	QPSK	50	0	22.41	22.48	22.44
20	QPSK	50	24	22.22	22.24	22.37
20	QPSK	50	50	22.26	22.34	22.22
20	QPSK	100	0	22.24	22.24	22.16
20	16QAM	1	0	22.29	22.05	22.33
20	16QAM	1	49	22.34	22.08	22.14
20	16QAM	1	99	22.34	22.52	22.31
20	16QAM	50	0	22.46	22.43	22.40
20	16QAM	50	24	22.35	22.35	22.36
20	16QAM	50	50	22.32	22.24	22.20
20	16QAM	100	0	22.28	22.31	22.37
20	64QAM	1	0	22.44	22.21	22.54
20	64QAM	1	49	22.21	22.54	22.53
20	64QAM	1	99	22.44	22.56	22.64
20	64QAM	50	0	22.40	22.30	22.43
20	64QAM	50	24	22.34	22.28	22.40
20	64QAM	50	50	22.36	22.24	22.30
20	64QAM	100	0	22.35	22.35	22.33

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	23.04	23.08	23.06
15	QPSK	1	37	23.18	23.04	23.02
15	QPSK	1	74	23.02	22.98	22.96
15	QPSK	36	0	22.23	22.20	22.24
15	QPSK	36	20	22.23	22.15	22.25
15	QPSK	36	39	22.09	22.14	22.11
15	QPSK	75	0	22.18	22.22	22.15
15	16QAM	1	0	22.17	22.04	22.34
15	16QAM	1	37	22.04	22.34	22.27
15	16QAM	1	74	22.14	22.04	22.04
15	16QAM	36	0	22.35	22.35	22.26
15	16QAM	36	20	22.38	22.37	22.43
15	16QAM	36	39	22.30	22.45	22.39
15	16QAM	75	0	22.40	22.38	22.34
15	64QAM	1	0	22.54	22.44	22.54
15	64QAM	1	37	22.56	22.34	22.44
15	64QAM	1	74	22.21	22.47	22.54
15	64QAM	36	0	22.33	22.32	22.45
15	64QAM	36	20	22.43	22.39	22.40
15	64QAM	36	39	22.32	22.26	22.30
15	64QAM	75	0	22.34	22.36	22.33

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	23.02	23.02	23.03
10	QPSK	1	25	22.92	22.90	22.98
10	QPSK	1	49	23.06	22.94	22.84
10	QPSK	25	0	22.49	22.42	22.49
10	QPSK	25	12	22.46	22.65	22.43
10	QPSK	25	25	22.47	22.43	22.35
10	QPSK	50	0	22.55	22.40	22.59
10	16QAM	1	0	22.47	22.47	22.67
10	16QAM	1	25	22.47	22.56	22.68
10	16QAM	1	49	22.30	22.50	22.38
10	16QAM	25	0	22.31	22.48	22.36
10	16QAM	25	12	22.30	22.50	22.41
10	16QAM	25	25	22.21	22.26	22.26
10	16QAM	50	0	22.37	22.41	22.42
10	64QAM	1	0	22.37	22.37	22.04
10	64QAM	1	25	22.04	22.17	22.07
10	64QAM	1	49	22.04	22.04	22.04
10	64QAM	25	0	22.37	22.35	22.37
10	64QAM	25	12	22.36	22.40	22.44
10	64QAM	25	25	22.36	22.29	22.31
10	64QAM	50	0	22.26	22.36	22.37

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	22.91	22.94	22.99
5	QPSK	1	12	22.94	22.94	22.93
5	QPSK	1	24	23.02	22.92	22.98
5	QPSK	12	0	22.18	22.20	22.16
5	QPSK	12	7	22.20	22.28	22.21
5	QPSK	12	13	22.11	22.17	22.18
5	QPSK	25	0	22.21	22.22	22.21
5	16QAM	1	0	22.70	22.39	22.40
5	16QAM	1	12	22.33	22.62	22.57
5	16QAM	1	24	22.45	22.34	22.69
5	16QAM	12	0	22.34	22.45	22.41
5	16QAM	12	7	22.51	22.43	22.55
5	16QAM	12	13	22.42	22.36	22.43
5	16QAM	25	0	22.43	22.45	22.37
5	64QAM	1	0	22.04	22.44	22.24
5	64QAM	1	12	22.34	22.34	22.34
5	64QAM	1	24	22.17	22.21	22.17
5	64QAM	12	0	22.41	22.16	22.37
5	64QAM	12	7	22.49	22.08	22.39
5	64QAM	12	13	22.32	22.44	22.39
5	64QAM	25	0	22.39	22.47	22.34

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	22.98	22.89	22.88
3	QPSK	1	8	22.85	22.86	22.94
3	QPSK	1	14	22.76	22.57	22.87
3	QPSK	8	0	22.44	22.41	22.45
3	QPSK	8	4	22.44	22.36	22.46
3	QPSK	8	7	22.30	22.35	22.32
3	QPSK	15	0	22.39	22.43	22.36
3	16QAM	1	0	22.08	22.49	22.25
3	16QAM	1	8	22.41	22.35	22.34
3	16QAM	1	14	22.45	22.34	22.04
3	16QAM	8	0	22.26	22.26	22.17
3	16QAM	8	4	22.29	22.28	22.34
3	16QAM	8	7	22.21	22.36	22.30
3	16QAM	15	0	22.31	22.29	22.25
3	64QAM	1	0	22.45	22.35	22.45
3	64QAM	1	8	22.47	22.25	22.35
3	64QAM	1	14	22.12	22.38	22.45
3	64QAM	8	0	22.24	22.23	22.36
3	64QAM	8	4	22.34	22.30	22.31
3	64QAM	8	7	22.23	22.17	22.21
3	64QAM	15	0	22.25	22.27	22.24

LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	22.92	22.83	22.84
1.4	QPSK	1	3	22.98	23.00	23.00
1.4	QPSK	1	5	22.90	22.78	22.94
1.4	QPSK	3	0	22.89	22.82	22.89
1.4	QPSK	3	1	22.86	22.92	22.83
1.4	QPSK	3	3	22.87	22.83	22.75
1.4	QPSK	6	0	22.47	22.32	22.51
1.4	16QAM	1	0	22.39	22.39	22.59
1.4	16QAM	1	3	22.63	22.72	22.84
1.4	16QAM	1	5	22.46	22.66	22.54
1.4	16QAM	3	0	22.17	22.14	22.40
1.4	16QAM	3	1	22.26	22.16	22.28
1.4	16QAM	3	3	22.27	22.28	22.22
1.4	16QAM	6	0	22.16	22.07	22.08
1.4	64QAM	1	0	22.50	22.35	22.51
1.4	64QAM	1	3	22.23	22.32	22.32
1.4	64QAM	1	5	22.20	22.20	22.31
1.4	64QAM	3	0	22.29	22.27	22.29
1.4	64QAM	3	1	22.28	22.32	22.36
1.4	64QAM	3	3	22.28	22.21	22.23
1.4	64QAM	6	0	22.18	22.28	22.29

LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	23.81	23.89	23.84
20	QPSK	1	49	23.78	23.81	23.76
20	QPSK	1	99	23.71	23.75	23.79
20	QPSK	50	0	22.81	22.83	22.79
20	QPSK	50	24	22.74	22.71	22.74
20	QPSK	50	50	22.68	22.78	22.64
20	QPSK	100	0	22.65	22.69	22.57
20	16QAM	1	0	22.93	22.95	22.91
20	16QAM	1	49	22.86	22.83	22.86
20	16QAM	1	99	22.80	22.90	22.76
20	16QAM	50	0	21.71	21.75	21.63
20	16QAM	50	24	21.80	21.77	21.80
20	16QAM	50	50	21.74	21.84	21.70
20	16QAM	100	0	21.71	21.75	21.63
20	64QAM	1	0	21.86	21.88	21.84
20	64QAM	1	49	21.79	21.76	21.79
20	64QAM	1	99	21.73	21.83	21.69
20	64QAM	50	0	21.53	21.57	21.45
20	64QAM	50	24	21.62	21.59	21.62
20	64QAM	50	50	21.56	21.66	21.52
20	64QAM	100	0	21.53	21.57	21.45

LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133197	133297	133397
Frequency (MHz)				670.8	680.5	690.5
15	QPSK	1	0	23.72	23.80	23.75
15	QPSK	1	37	23.69	23.72	23.67
15	QPSK	1	74	23.62	23.66	23.70
15	QPSK	36	0	22.72	22.74	22.70
15	QPSK	36	20	22.65	22.62	22.65
15	QPSK	36	39	22.59	22.69	22.55
15	QPSK	75	0	22.56	22.60	22.48
15	16QAM	1	0	22.84	22.86	22.82
15	16QAM	1	37	22.77	22.74	22.77
15	16QAM	1	74	22.71	22.81	22.67
15	16QAM	36	0	21.62	21.66	21.54
15	16QAM	36	20	21.71	21.68	21.71
15	16QAM	36	39	21.65	21.75	21.61
15	16QAM	75	0	21.62	21.66	21.54
15	64QAM	1	0	21.77	21.79	21.75
15	64QAM	1	37	21.70	21.67	21.70
15	64QAM	1	74	21.64	21.74	21.60
15	64QAM	36	0	21.46	21.50	21.38
15	64QAM	36	20	21.55	21.52	21.55
15	64QAM	36	39	21.49	21.59	21.45
15	64QAM	75	0	21.46	21.50	21.38

LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	23.65	23.73	23.68
10	QPSK	1	25	23.62	23.65	23.60
10	QPSK	1	49	23.55	23.59	23.63
10	QPSK	25	0	22.65	22.67	22.63
10	QPSK	25	12	22.58	22.55	22.58
10	QPSK	25	25	22.52	22.62	22.48
10	QPSK	50	0	22.49	22.53	22.41
10	16QAM	1	0	22.77	22.79	22.75
10	16QAM	1	25	22.70	22.67	22.70
10	16QAM	1	49	22.64	22.74	22.60
10	16QAM	25	0	21.55	21.59	21.47
10	16QAM	25	12	21.64	21.61	21.64
10	16QAM	25	25	21.58	21.68	21.54
10	16QAM	50	0	21.55	21.59	21.47
10	64QAM	1	0	21.69	21.71	21.67
10	64QAM	1	25	21.62	21.59	21.62
10	64QAM	1	49	21.56	21.66	21.52
10	64QAM	25	0	21.38	21.42	21.30
10	64QAM	25	12	21.47	21.44	21.47
10	64QAM	25	25	21.41	21.51	21.37
10	64QAM	50	0	21.38	21.42	21.30

LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5
5	QPSK	1	0	23.69	23.68	23.63
5	QPSK	1	12	23.57	23.60	23.55
5	QPSK	1	24	23.50	23.54	23.58
5	QPSK	12	0	22.60	22.62	22.58
5	QPSK	12	7	22.53	22.50	22.53
5	QPSK	12	13	22.47	22.57	22.43
5	QPSK	25	0	22.44	22.48	22.36
5	16QAM	1	0	22.72	22.74	22.70
5	16QAM	1	12	22.65	22.62	22.65
5	16QAM	1	24	22.59	22.69	22.55
5	16QAM	12	0	21.50	21.54	21.42
5	16QAM	12	7	21.59	21.56	21.59
5	16QAM	12	13	21.53	21.63	21.49
5	16QAM	25	0	21.50	21.54	21.42
5	64QAM	1	0	21.65	21.67	21.63
5	64QAM	1	12	21.58	21.55	21.58
5	64QAM	1	24	21.52	21.62	21.48
5	64QAM	12	0	21.32	21.36	21.24
5	64QAM	12	7	21.41	21.38	21.41
5	64QAM	12	13	21.35	21.45	21.31
5	64QAM	25	0	21.32	21.36	21.24

Effective Radiated Power and Effective Isotropic Radiated Power

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	25.09	0.323	25.12	0.325	25.06	0.321
20	QPSK	1	49	25.07	0.321	25.01	0.317	24.94	0.312
20	QPSK	1	99	25.01	0.317	24.97	0.314	24.95	0.313
20	QPSK	50	0	24.02	0.252	24.11	0.258	24.04	0.254
20	QPSK	50	24	24.03	0.253	24.08	0.256	24.08	0.256
20	QPSK	50	50	24.08	0.256	24.04	0.254	24.10	0.257
20	QPSK	100	0	24.01	0.252	24.10	0.257	24.06	0.255
20	16QAM	1	0	24.07	0.255	24.07	0.255	24.09	0.256
20	16QAM	1	49	23.91	0.246	24.21	0.264	24.17	0.261
20	16QAM	1	99	24.16	0.261	24.01	0.252	24.41	0.276
20	16QAM	50	0	24.09	0.256	24.06	0.255	24.04	0.254
20	16QAM	50	24	24.05	0.254	24.10	0.257	24.11	0.258
20	16QAM	50	50	24.13	0.259	24.10	0.257	24.17	0.261
20	16QAM	100	0	24.16	0.261	24.17	0.261	24.04	0.254
20	64QAM	1	0	24.11	0.258	24.30	0.269	24.04	0.254
20	64QAM	1	49	24.06	0.255	24.24	0.265	24.15	0.260
20	64QAM	1	99	24.01	0.252	24.34	0.272	24.34	0.272
20	64QAM	50	0	24.11	0.258	24.03	0.253	24.08	0.256
20	64QAM	50	24	24.14	0.259	24.08	0.256	24.13	0.259
20	64QAM	50	50	24.13	0.259	24.14	0.259	24.08	0.256
20	64QAM	100	0	24.01	0.252	23.98	0.250	23.99	0.251

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	24.90	0.309	24.93	0.311	24.84	0.305
15	QPSK	1	37	24.69	0.294	25.05	0.320	24.93	0.311
15	QPSK	1	74	25.06	0.321	24.98	0.315	25.06	0.321
15	QPSK	36	0	23.88	0.244	23.97	0.249	23.96	0.249
15	QPSK	36	20	23.87	0.244	24.06	0.255	24.03	0.253
15	QPSK	36	39	23.99	0.251	24.00	0.251	23.97	0.249
15	QPSK	75	0	23.91	0.246	23.97	0.249	23.93	0.247
15	16QAM	1	0	24.00	0.251	24.08	0.256	24.02	0.252
15	16QAM	1	37	24.13	0.259	24.16	0.261	24.02	0.252
15	16QAM	1	74	24.08	0.256	24.20	0.263	24.20	0.263
15	16QAM	36	0	23.87	0.244	23.92	0.247	23.95	0.248
15	16QAM	36	20	23.96	0.249	23.89	0.245	24.02	0.252
15	16QAM	36	39	24.01	0.252	24.10	0.257	24.07	0.255
15	16QAM	75	0	23.88	0.244	23.90	0.245	23.99	0.251
15	64QAM	1	0	24.08	0.256	23.84	0.242	23.90	0.245
15	64QAM	1	37	24.07	0.255	23.88	0.244	24.30	0.269
15	64QAM	1	74	23.96	0.249	24.00	0.251	24.15	0.260
15	64QAM	36	0	23.81	0.240	23.98	0.250	23.86	0.243
15	64QAM	36	20	24.01	0.252	24.03	0.253	23.93	0.247
15	64QAM	36	39	23.89	0.245	23.94	0.248	24.03	0.253
15	64QAM	75	0	23.88	0.244	23.95	0.248	23.94	0.248

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	24.87	0.307	24.86	0.306	24.96	0.313
10	QPSK	1	25	24.98	0.315	25.08	0.322	24.96	0.313
10	QPSK	1	49	24.87	0.307	24.95	0.313	24.87	0.307
10	QPSK	25	0	23.99	0.251	24.00	0.251	23.96	0.249
10	QPSK	25	12	23.95	0.248	24.07	0.255	24.00	0.251
10	QPSK	25	25	23.86	0.243	23.99	0.251	23.95	0.248
10	QPSK	50	0	23.92	0.247	24.01	0.252	23.99	0.251
10	16QAM	1	0	24.40	0.275	24.33	0.271	24.32	0.270
10	16QAM	1	25	24.09	0.256	24.05	0.254	24.12	0.258
10	16QAM	1	49	24.04	0.254	24.12	0.258	23.91	0.246
10	16QAM	25	0	23.94	0.248	23.93	0.247	23.90	0.245
10	16QAM	25	12	24.10	0.257	23.90	0.245	23.90	0.245
10	16QAM	25	25	23.90	0.245	24.10	0.257	24.20	0.263
10	16QAM	50	0	24.47	0.280	24.40	0.275	24.44	0.278
10	64QAM	1	0	23.98	0.250	24.03	0.253	24.03	0.253
10	64QAM	1	25	24.01	0.252	24.06	0.255	24.10	0.257
10	64QAM	1	49	23.68	0.233	23.81	0.240	23.78	0.239
10	64QAM	25	0	23.98	0.250	24.02	0.252	24.03	0.253
10	64QAM	25	12	24.01	0.252	23.99	0.251	24.00	0.251
10	64QAM	25	25	23.94	0.248	23.72	0.236	23.94	0.248
10	64QAM	50	0	23.95	0.248	23.95	0.248	23.92	0.247

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	25.01	0.317	25.06	0.321	25.00	0.316
5	QPSK	1	12	25.00	0.316	24.95	0.313	24.98	0.315
5	QPSK	1	24	24.96	0.313	25.04	0.319	25.05	0.320
5	QPSK	12	0	23.98	0.250	23.89	0.245	23.96	0.249
5	QPSK	12	7	23.99	0.251	24.04	0.254	23.96	0.249
5	QPSK	12	13	23.98	0.250	23.97	0.249	24.00	0.251
5	QPSK	25	0	23.97	0.249	23.95	0.248	23.97	0.249
5	16QAM	1	0	24.10	0.257	24.00	0.251	24.38	0.274
5	16QAM	1	12	24.08	0.256	24.01	0.252	24.38	0.274
5	16QAM	1	24	24.11	0.258	23.98	0.250	24.37	0.274
5	16QAM	12	0	24.20	0.263	24.34	0.272	24.20	0.263
5	16QAM	12	7	24.10	0.257	24.10	0.257	23.90	0.245
5	16QAM	12	13	23.90	0.245	24.23	0.265	24.00	0.251
5	16QAM	25	0	24.00	0.251	24.46	0.279	24.44	0.278
5	64QAM	1	0	24.20	0.263	23.92	0.247	23.97	0.249
5	64QAM	1	12	24.36	0.273	24.02	0.252	24.13	0.259
5	64QAM	1	24	24.37	0.274	24.01	0.252	24.03	0.253
5	64QAM	12	0	24.02	0.252	23.95	0.248	23.94	0.248
5	64QAM	12	7	24.08	0.256	23.92	0.247	23.92	0.247
5	64QAM	12	13	24.05	0.254	24.01	0.252	23.99	0.251
5	64QAM	25	0	24.12	0.258	23.92	0.247	23.99	0.251

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	24.95	0.313	25.02	0.318	24.94	0.312
3	QPSK	1	8	25.05	0.320	25.08	0.322	24.91	0.310
3	QPSK	1	14	25.06	0.321	24.93	0.311	24.93	0.311
3	QPSK	8	0	23.86	0.243	23.81	0.240	23.83	0.242
3	QPSK	8	4	23.92	0.247	23.86	0.243	23.87	0.244
3	QPSK	8	7	23.92	0.247	23.86	0.243	23.82	0.241
3	QPSK	15	0	23.84	0.242	23.92	0.247	23.85	0.243
3	16QAM	1	0	24.00	0.251	23.91	0.246	23.85	0.243
3	16QAM	1	8	24.04	0.254	23.98	0.250	23.94	0.248
3	16QAM	1	14	23.97	0.249	23.94	0.248	23.82	0.241
3	16QAM	8	0	24.40	0.275	24.53	0.284	24.45	0.279
3	16QAM	8	4	24.47	0.280	24.44	0.278	24.50	0.282
3	16QAM	8	7	24.37	0.274	24.42	0.277	24.45	0.279
3	16QAM	15	0	24.40	0.275	24.44	0.278	24.39	0.275
3	64QAM	1	0	23.93	0.247	23.86	0.243	23.89	0.245
3	64QAM	1	8	24.35	0.272	24.34	0.272	23.94	0.248
3	64QAM	1	14	23.96	0.249	24.32	0.270	23.96	0.249
3	64QAM	8	0	23.88	0.244	23.90	0.245	23.74	0.237
3	64QAM	8	4	23.98	0.250	23.88	0.244	23.88	0.244
3	64QAM	8	7	24.08	0.256	23.97	0.249	23.83	0.242
3	64QAM	15	0	23.93	0.247	23.93	0.247	23.91	0.246

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	25.01	0.317	25.04	0.319	24.99	0.316
1.4	QPSK	1	3	24.91	0.310	24.89	0.308	24.88	0.308
1.4	QPSK	1	5	24.88	0.308	24.86	0.306	24.84	0.305
1.4	QPSK	3	0	24.88	0.308	24.88	0.308	24.84	0.305
1.4	QPSK	3	1	24.92	0.310	24.89	0.308	24.87	0.307
1.4	QPSK	3	3	24.94	0.312	24.98	0.315	24.87	0.307
1.4	QPSK	6	0	23.82	0.241	23.80	0.240	23.79	0.239
1.4	16QAM	1	0	23.85	0.243	23.85	0.243	23.79	0.239
1.4	16QAM	1	3	23.81	0.240	24.01	0.252	23.99	0.251
1.4	16QAM	1	5	23.69	0.234	23.89	0.245	23.57	0.228
1.4	16QAM	3	0	23.71	0.235	23.76	0.238	23.73	0.236
1.4	16QAM	3	1	23.89	0.245	23.71	0.235	23.76	0.238
1.4	16QAM	3	3	23.91	0.246	23.88	0.244	23.62	0.230
1.4	16QAM	6	0	23.92	0.247	23.85	0.243	23.80	0.240
1.4	64QAM	1	0	23.80	0.240	23.72	0.236	23.75	0.237
1.4	64QAM	1	3	23.82	0.241	24.03	0.253	23.91	0.246
1.4	64QAM	1	5	23.80	0.240	24.15	0.260	23.74	0.237
1.4	64QAM	3	0	23.83	0.242	23.89	0.245	23.90	0.245
1.4	64QAM	3	1	23.92	0.247	23.89	0.245	24.10	0.257
1.4	64QAM	3	3	23.84	0.242	23.98	0.250	23.75	0.237
1.4	64QAM	6	0	23.89	0.245	23.92	0.247	23.81	0.240

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.99	0.316	25.07	0.321	25.06	0.321
20	QPSK	1	49	24.85	0.305	24.93	0.311	24.92	0.310
20	QPSK	1	99	24.77	0.300	24.90	0.309	25.02	0.318
20	QPSK	50	0	23.89	0.245	24.02	0.252	23.99	0.251
20	QPSK	50	24	23.89	0.245	23.97	0.249	23.97	0.249
20	QPSK	50	50	23.78	0.239	23.89	0.245	23.90	0.245
20	QPSK	100	0	23.88	0.244	23.92	0.247	23.99	0.251
20	16QAM	1	0	23.75	0.237	24.05	0.254	23.92	0.247
20	16QAM	1	49	23.90	0.245	23.67	0.233	23.81	0.240
20	16QAM	1	99	23.69	0.234	23.91	0.246	23.75	0.237
20	16QAM	50	0	23.88	0.244	23.81	0.240	23.95	0.248
20	16QAM	50	24	24.14	0.259	24.25	0.266	24.14	0.259
20	16QAM	50	50	24.10	0.257	24.11	0.258	24.11	0.258
20	16QAM	100	0	24.12	0.258	24.20	0.263	24.21	0.264
20	64QAM	1	0	23.86	0.243	23.97	0.249	24.19	0.262
20	64QAM	1	49	23.90	0.245	23.83	0.242	23.71	0.235
20	64QAM	1	99	24.17	0.261	23.74	0.237	24.21	0.264
20	64QAM	50	0	23.87	0.244	23.96	0.249	23.91	0.246
20	64QAM	50	24	23.89	0.245	24.00	0.251	23.94	0.248
20	64QAM	50	50	23.93	0.247	23.88	0.244	23.90	0.245
20	64QAM	100	0	23.96	0.249	23.94	0.248	24.03	0.253

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.86	0.306	24.90	0.309	25.00	0.316
15	QPSK	1	37	24.90	0.309	24.99	0.316	24.91	0.310
15	QPSK	1	74	24.77	0.300	24.99	0.316	25.02	0.318
15	QPSK	36	0	23.83	0.242	23.90	0.245	23.93	0.247
15	QPSK	36	20	23.87	0.244	24.00	0.251	23.96	0.249
15	QPSK	36	39	23.92	0.247	23.91	0.246	24.00	0.251
15	QPSK	75	0	23.87	0.244	23.89	0.245	23.90	0.245
15	16QAM	1	0	23.81	0.240	24.03	0.253	23.75	0.237
15	16QAM	1	37	23.89	0.245	23.89	0.245	23.73	0.236
15	16QAM	1	74	23.75	0.237	24.05	0.254	23.84	0.242
15	16QAM	36	0	23.76	0.238	23.78	0.239	23.97	0.249
15	16QAM	36	20	23.71	0.235	23.78	0.239	23.84	0.242
15	16QAM	36	39	23.67	0.233	23.76	0.238	23.82	0.241
15	16QAM	75	0	23.78	0.239	23.79	0.239	23.88	0.244
15	64QAM	1	0	23.73	0.236	24.04	0.254	24.09	0.256
15	64QAM	1	37	24.15	0.260	23.91	0.246	23.97	0.249
15	64QAM	1	74	24.19	0.262	23.90	0.245	23.94	0.248
15	64QAM	36	0	23.84	0.242	23.91	0.246	23.95	0.248
15	64QAM	36	20	23.90	0.245	23.92	0.247	23.94	0.248
15	64QAM	36	39	23.93	0.247	23.89	0.245	23.91	0.246
15	64QAM	75	0	23.86	0.243	23.97	0.249	23.90	0.245

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.78	0.301	24.97	0.314	24.80	0.302
10	QPSK	1	25	24.76	0.299	24.89	0.308	24.90	0.309
10	QPSK	1	49	24.84	0.305	24.67	0.293	24.90	0.309
10	QPSK	25	0	23.66	0.232	23.88	0.244	23.90	0.245
10	QPSK	25	12	23.78	0.239	23.84	0.242	23.88	0.244
10	QPSK	25	25	23.67	0.233	23.78	0.239	23.85	0.243
10	QPSK	50	0	23.73	0.236	23.83	0.242	23.75	0.237
10	16QAM	1	0	23.72	0.236	23.87	0.244	23.63	0.231
10	16QAM	1	25	23.99	0.251	23.73	0.236	24.05	0.254
10	16QAM	1	49	24.06	0.255	23.96	0.249	23.95	0.248
10	16QAM	25	0	23.72	0.236	23.71	0.235	23.70	0.234
10	16QAM	25	12	23.64	0.231	23.74	0.237	23.71	0.235
10	16QAM	25	25	23.98	0.250	23.89	0.245	23.98	0.250
10	16QAM	50	0	23.92	0.247	23.96	0.249	24.08	0.256
10	64QAM	1	0	23.78	0.239	23.86	0.243	23.76	0.238
10	64QAM	1	25	23.85	0.243	24.14	0.259	24.23	0.265
10	64QAM	1	49	23.83	0.242	23.87	0.244	23.82	0.241
10	64QAM	25	0	23.67	0.233	23.81	0.240	23.80	0.240
10	64QAM	25	12	23.76	0.238	23.87	0.244	23.91	0.246
10	64QAM	25	25	23.64	0.231	23.76	0.238	23.78	0.239
10	64QAM	50	0	23.70	0.234	23.77	0.238	23.76	0.238

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.68	0.294	24.90	0.309	24.95	0.313
5	QPSK	1	12	24.74	0.298	24.89	0.308	24.86	0.306
5	QPSK	1	24	24.69	0.294	24.81	0.303	24.80	0.302
5	QPSK	12	0	23.74	0.237	23.74	0.237	23.78	0.239
5	QPSK	12	7	23.74	0.237	23.85	0.243	23.82	0.241
5	QPSK	12	13	23.69	0.234	23.86	0.243	23.78	0.239
5	QPSK	25	0	23.72	0.236	23.76	0.238	23.82	0.241
5	16QAM	1	0	23.62	0.230	24.03	0.253	23.71	0.235
5	16QAM	1	12	23.73	0.236	24.08	0.256	23.67	0.233
5	16QAM	1	24	23.67	0.233	24.02	0.252	23.62	0.230
5	16QAM	12	0	23.66	0.232	23.60	0.229	23.63	0.231
5	16QAM	12	7	23.69	0.234	23.73	0.236	23.71	0.235
5	16QAM	12	13	23.96	0.249	24.03	0.253	24.07	0.255
5	16QAM	25	0	23.97	0.249	24.08	0.256	24.01	0.252
5	64QAM	1	0	23.74	0.237	24.18	0.262	24.16	0.261
5	64QAM	1	12	24.12	0.258	23.88	0.244	24.15	0.260
5	64QAM	1	24	24.08	0.256	23.78	0.239	23.85	0.243
5	64QAM	12	0	23.75	0.237	23.82	0.241	23.84	0.242
5	64QAM	12	7	23.74	0.237	23.83	0.242	23.89	0.245
5	64QAM	12	13	23.75	0.237	23.81	0.240	23.80	0.240
5	64QAM	25	0	23.70	0.234	23.84	0.242	23.75	0.237

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.80	0.302	24.81	0.303	24.93	0.311
3	QPSK	1	8	24.89	0.308	25.03	0.318	24.97	0.314
3	QPSK	1	14	24.69	0.294	24.88	0.308	24.88	0.308
3	QPSK	8	0	23.72	0.236	23.78	0.239	23.79	0.239
3	QPSK	8	4	23.78	0.239	23.86	0.243	23.88	0.244
3	QPSK	8	7	23.74	0.237	23.84	0.242	23.84	0.242
3	QPSK	15	0	23.74	0.237	23.80	0.240	23.74	0.237
3	16QAM	1	0	23.82	0.241	23.91	0.246	23.95	0.248
3	16QAM	1	8	24.04	0.254	24.04	0.254	23.78	0.239
3	16QAM	1	14	23.95	0.248	23.73	0.236	23.81	0.240
3	16QAM	8	0	23.74	0.237	23.75	0.237	23.84	0.242
3	16QAM	8	4	23.84	0.242	23.84	0.242	23.85	0.243
3	16QAM	8	7	24.06	0.255	24.14	0.259	24.18	0.262
3	16QAM	15	0	24.06	0.255	24.04	0.254	24.11	0.258
3	64QAM	1	0	23.73	0.236	23.82	0.241	23.80	0.240
3	64QAM	1	8	23.92	0.247	23.80	0.240	23.96	0.249
3	64QAM	1	14	23.73	0.236	23.80	0.240	23.63	0.231
3	64QAM	8	0	23.71	0.235	23.75	0.237	23.69	0.234
3	64QAM	8	4	23.83	0.242	23.81	0.240	23.85	0.243
3	64QAM	8	7	23.77	0.238	23.84	0.242	23.96	0.249
3	64QAM	15	0	23.73	0.236	23.81	0.240	23.72	0.236

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.55	0.285	24.76	0.299	24.77	0.300
1.4	QPSK	1	3	24.89	0.308	24.89	0.308	24.93	0.311
1.4	QPSK	1	5	24.75	0.299	24.84	0.305	24.86	0.306
1.4	QPSK	3	0	24.83	0.304	24.80	0.302	24.79	0.301
1.4	QPSK	3	1	24.79	0.301	24.89	0.308	24.94	0.312
1.4	QPSK	3	3	24.78	0.301	24.85	0.305	24.84	0.305
1.4	QPSK	6	0	23.77	0.238	23.79	0.239	23.75	0.237
1.4	16QAM	1	0	23.71	0.235	24.18	0.262	23.84	0.242
1.4	16QAM	1	3	23.84	0.242	23.92	0.247	23.96	0.249
1.4	16QAM	1	5	23.90	0.245	24.06	0.255	23.86	0.243
1.4	16QAM	3	0	23.93	0.247	23.97	0.249	23.88	0.244
1.4	16QAM	3	1	23.94	0.248	23.97	0.249	23.99	0.251
1.4	16QAM	3	3	23.93	0.247	24.05	0.254	23.94	0.248
1.4	16QAM	6	0	23.84	0.242	23.85	0.243	23.76	0.238
1.4	64QAM	1	0	23.62	0.230	23.56	0.227	23.70	0.234
1.4	64QAM	1	3	23.88	0.244	23.86	0.243	23.98	0.250
1.4	64QAM	1	5	23.79	0.239	23.75	0.237	23.59	0.229
1.4	64QAM	3	0	23.70	0.234	23.68	0.233	23.87	0.244
1.4	64QAM	3	1	23.61	0.230	23.76	0.238	23.73	0.236
1.4	64QAM	3	3	23.67	0.233	23.84	0.242	23.72	0.236
1.4	64QAM	6	0	23.66	0.232	23.67	0.233	23.74	0.237

LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.96	0.157	21.97	0.157	21.89	0.155
10	QPSK	1	25	21.82	0.152	21.85	0.153	21.65	0.146
10	QPSK	1	49	21.74	0.149	21.86	0.153	21.54	0.143
10	QPSK	25	0	21.27	0.134	21.29	0.135	21.20	0.132
10	QPSK	25	12	21.03	0.127	21.05	0.127	21.10	0.129
10	QPSK	25	25	21.03	0.127	21.14	0.130	21.19	0.132
10	QPSK	50	0	21.09	0.129	20.97	0.125	21.11	0.129
10	16QAM	1	0	20.98	0.125	21.17	0.131	20.88	0.122
10	16QAM	1	25	21.21	0.132	21.24	0.133	20.92	0.124
10	16QAM	1	49	21.04	0.127	21.10	0.129	21.17	0.131
10	16QAM	25	0	21.13	0.130	21.14	0.130	20.96	0.125
10	16QAM	25	12	21.07	0.128	21.15	0.130	20.93	0.124
10	16QAM	25	25	21.10	0.129	21.03	0.127	21.06	0.128
10	16QAM	50	0	21.11	0.129	21.02	0.126	20.92	0.124
10	64QAM	1	0	21.07	0.128	21.17	0.131	21.05	0.127
10	64QAM	1	25	21.04	0.127	21.24	0.133	21.04	0.127
10	64QAM	1	49	20.93	0.124	21.15	0.130	21.06	0.128
10	64QAM	25	0	21.04	0.127	21.15	0.130	20.82	0.121
10	64QAM	25	12	21.03	0.127	21.20	0.132	20.91	0.123
10	64QAM	25	25	21.15	0.130	21.04	0.127	20.74	0.119
10	64QAM	50	0	21.11	0.129	21.07	0.128	20.93	0.124

LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.91	0.155	21.87	0.154	21.85	0.153
5	QPSK	1	12	21.81	0.152	21.92	0.156	21.76	0.150
5	QPSK	1	24	21.81	0.152	21.76	0.150	21.76	0.150
5	QPSK	12	0	21.18	0.131	21.23	0.133	21.09	0.129
5	QPSK	12	7	21.25	0.133	21.26	0.134	21.18	0.131
5	QPSK	12	13	21.30	0.135	21.14	0.130	21.09	0.129
5	QPSK	25	0	21.06	0.128	21.02	0.126	20.94	0.124
5	16QAM	1	0	21.20	0.132	21.13	0.130	21.04	0.127
5	16QAM	1	12	20.90	0.123	21.12	0.129	21.03	0.127
5	16QAM	1	24	20.77	0.119	21.12	0.129	21.10	0.129
5	16QAM	12	0	20.86	0.122	20.95	0.124	21.09	0.129
5	16QAM	12	7	20.93	0.124	20.96	0.125	20.93	0.124
5	16QAM	12	13	20.93	0.124	20.84	0.121	21.04	0.127
5	16QAM	25	0	20.94	0.124	20.99	0.126	21.09	0.129
5	64QAM	1	0	21.01	0.126	20.89	0.123	21.15	0.130
5	64QAM	1	12	20.89	0.123	20.83	0.121	21.12	0.129
5	64QAM	1	24	21.18	0.131	21.02	0.126	20.96	0.125
5	64QAM	12	0	20.90	0.123	21.04	0.127	20.84	0.121
5	64QAM	12	7	20.94	0.124	21.10	0.129	20.88	0.122
5	64QAM	12	13	21.12	0.129	21.07	0.128	20.64	0.116
5	64QAM	25	0	21.00	0.126	21.07	0.128	20.68	0.117

LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.60	0.145	21.91	0.155	21.76	0.150
3	QPSK	1	8	21.86	0.153	21.87	0.154	21.78	0.151
3	QPSK	1	14	21.87	0.154	21.85	0.153	21.59	0.144
3	QPSK	8	0	20.96	0.125	21.09	0.129	21.07	0.128
3	QPSK	8	4	21.10	0.129	21.16	0.131	21.13	0.130
3	QPSK	8	7	21.05	0.127	21.07	0.128	20.94	0.124
3	QPSK	15	0	21.03	0.127	21.09	0.129	21.08	0.128
3	16QAM	1	0	21.05	0.127	21.16	0.131	21.23	0.133
3	16QAM	1	8	20.98	0.125	21.24	0.133	21.08	0.128
3	16QAM	1	14	21.03	0.127	21.29	0.135	21.04	0.127
3	16QAM	8	0	20.99	0.126	21.08	0.128	20.82	0.121
3	16QAM	8	4	21.15	0.130	21.26	0.134	20.83	0.121
3	16QAM	8	7	21.07	0.128	21.13	0.130	20.87	0.122
3	16QAM	15	0	21.01	0.126	21.03	0.127	20.58	0.114
3	64QAM	1	0	20.96	0.125	20.84	0.121	21.05	0.127
3	64QAM	1	8	20.84	0.121	21.08	0.128	20.84	0.121
3	64QAM	1	14	20.86	0.122	21.04	0.127	20.85	0.122
3	64QAM	8	0	20.96	0.125	21.06	0.128	21.04	0.127
3	64QAM	8	4	21.18	0.131	21.02	0.126	20.96	0.125
3	64QAM	8	7	21.13	0.130	21.05	0.127	21.02	0.126
3	64QAM	15	0	21.02	0.126	21.12	0.129	20.92	0.124

LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.81	0.152	21.88	0.154	21.92	0.156
1.4	QPSK	1	3	21.94	0.156	21.87	0.154	21.94	0.156
1.4	QPSK	1	5	21.83	0.152	21.77	0.150	21.78	0.151
1.4	QPSK	3	0	21.84	0.153	21.90	0.155	21.86	0.153
1.4	QPSK	3	1	21.90	0.155	21.77	0.150	21.87	0.154
1.4	QPSK	3	3	21.91	0.155	21.83	0.152	21.83	0.152
1.4	QPSK	6	0	21.01	0.126	21.00	0.126	20.99	0.126
1.4	16QAM	1	0	21.14	0.130	20.95	0.124	21.12	0.129
1.4	16QAM	1	3	20.94	0.124	21.18	0.131	21.07	0.128
1.4	16QAM	1	5	21.33	0.136	21.01	0.126	21.07	0.128
1.4	16QAM	3	0	20.86	0.122	20.84	0.121	20.98	0.125
1.4	16QAM	3	1	20.89	0.123	21.16	0.131	21.02	0.126
1.4	16QAM	3	3	20.97	0.125	21.08	0.128	20.96	0.125
1.4	16QAM	6	0	21.16	0.131	21.03	0.127	21.07	0.128
1.4	64QAM	1	0	20.69	0.117	20.86	0.122	20.88	0.122
1.4	64QAM	1	3	21.00	0.126	21.01	0.126	20.96	0.125
1.4	64QAM	1	5	20.95	0.124	20.94	0.124	20.82	0.121
1.4	64QAM	3	0	20.61	0.115	20.88	0.122	20.89	0.123
1.4	64QAM	3	1	20.89	0.123	20.83	0.121	20.84	0.121
1.4	64QAM	3	3	20.79	0.120	20.96	0.125	21.00	0.126
1.4	64QAM	6	0	21.00	0.126	21.12	0.129	21.01	0.126

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	25.10	0.324	25.11	0.324	25.03	0.318
20	QPSK	1	49	25.05	0.320	25.09	0.323	24.98	0.315
20	QPSK	1	99	25.00	0.316	24.95	0.313	25.00	0.316
20	QPSK	50	0	23.96	0.249	24.03	0.253	24.00	0.251
20	QPSK	50	24	23.72	0.236	23.69	0.234	23.59	0.229
20	QPSK	50	50	23.82	0.241	23.85	0.243	23.82	0.241
20	QPSK	100	0	23.77	0.238	23.79	0.239	23.76	0.238
20	16QAM	1	0	23.58	0.228	23.68	0.233	23.86	0.243
20	16QAM	1	49	23.73	0.236	23.59	0.229	23.87	0.244
20	16QAM	1	99	23.67	0.233	23.98	0.250	23.63	0.231
20	16QAM	50	0	23.52	0.225	23.62	0.230	23.55	0.226
20	16QAM	50	24	23.57	0.228	23.49	0.223	23.60	0.229
20	16QAM	50	50	23.65	0.232	23.70	0.234	23.53	0.225
20	16QAM	100	0	23.53	0.225	23.65	0.232	23.63	0.231
20	64QAM	1	0	24.01	0.252	23.85	0.243	23.58	0.228
20	64QAM	1	49	23.95	0.248	23.92	0.247	23.97	0.249
20	64QAM	1	99	23.93	0.247	23.98	0.250	23.89	0.245
20	64QAM	50	0	23.67	0.233	23.68	0.233	23.73	0.236
20	64QAM	50	24	23.72	0.236	23.73	0.236	23.73	0.236
20	64QAM	50	50	23.76	0.238	23.83	0.242	23.68	0.233
20	64QAM	100	0	23.69	0.234	23.66	0.232	23.78	0.239

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	24.93	0.311	25.02	0.318	25.02	0.318
15	QPSK	1	37	25.03	0.318	25.00	0.316	25.04	0.319
15	QPSK	1	74	24.97	0.314	25.04	0.319	25.04	0.319
15	QPSK	36	0	23.75	0.237	23.84	0.242	23.86	0.243
15	QPSK	36	20	23.83	0.242	23.90	0.245	23.85	0.243
15	QPSK	36	39	23.86	0.243	23.89	0.245	23.93	0.247
15	QPSK	75	0	23.92	0.247	23.85	0.243	23.87	0.244
15	16QAM	1	0	24.08	0.256	24.19	0.262	24.26	0.267
15	16QAM	1	37	23.90	0.245	24.01	0.252	23.99	0.251
15	16QAM	1	74	23.94	0.248	23.94	0.248	24.16	0.261
15	16QAM	36	0	23.53	0.225	23.64	0.231	23.66	0.232
15	16QAM	36	20	23.60	0.229	23.63	0.231	23.62	0.230
15	16QAM	36	39	23.66	0.232	23.64	0.231	23.53	0.225
15	16QAM	75	0	23.61	0.230	23.69	0.234	23.61	0.230
15	64QAM	1	0	23.91	0.246	23.88	0.244	23.76	0.238
15	64QAM	1	37	23.81	0.240	23.96	0.249	24.05	0.254
15	64QAM	1	74	23.80	0.240	23.92	0.247	23.98	0.250
15	64QAM	36	0	23.65	0.232	23.73	0.236	23.72	0.236
15	64QAM	36	20	23.76	0.238	23.75	0.237	23.82	0.241
15	64QAM	36	39	23.80	0.240	23.71	0.235	23.73	0.236
15	64QAM	75	0	23.65	0.232	23.75	0.237	23.70	0.234

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	24.92	0.310	24.79	0.301	24.82	0.303
10	QPSK	1	25	24.95	0.313	24.85	0.305	24.87	0.307
10	QPSK	1	49	24.88	0.308	24.85	0.305	24.87	0.307
10	QPSK	25	0	23.82	0.241	23.82	0.241	23.81	0.240
10	QPSK	25	12	23.78	0.239	23.90	0.245	23.95	0.248
10	QPSK	25	25	23.71	0.235	23.89	0.245	23.89	0.245
10	QPSK	50	0	23.80	0.240	23.92	0.247	23.91	0.246
10	16QAM	1	0	23.85	0.243	24.03	0.253	23.88	0.244
10	16QAM	1	25	23.84	0.242	23.86	0.243	23.91	0.246
10	16QAM	1	49	24.31	0.270	24.21	0.264	24.12	0.258
10	16QAM	25	0	23.74	0.237	23.62	0.230	23.70	0.234
10	16QAM	25	12	23.56	0.227	23.73	0.236	23.66	0.232
10	16QAM	25	25	23.61	0.230	23.64	0.231	23.56	0.227
10	16QAM	50	0	23.64	0.231	23.73	0.236	23.58	0.228
10	64QAM	1	0	24.06	0.255	24.02	0.252	24.00	0.251
10	64QAM	1	25	23.75	0.237	24.00	0.251	23.83	0.242
10	64QAM	1	49	23.86	0.243	24.10	0.257	23.91	0.246
10	64QAM	25	0	23.72	0.236	23.70	0.234	23.74	0.237
10	64QAM	25	12	23.74	0.237	23.85	0.243	23.78	0.239
10	64QAM	25	25	23.67	0.233	23.57	0.228	23.56	0.227
10	64QAM	50	0	23.61	0.230	23.67	0.233	23.59	0.229

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	24.96	0.313	24.87	0.307	24.77	0.300
5	QPSK	1	12	24.83	0.304	24.76	0.299	24.84	0.305
5	QPSK	1	24	24.77	0.300	24.83	0.304	24.87	0.307
5	QPSK	12	0	23.62	0.230	23.70	0.234	23.62	0.230
5	QPSK	12	7	23.69	0.234	23.84	0.242	23.76	0.238
5	QPSK	12	13	23.71	0.235	23.87	0.244	23.72	0.236
5	QPSK	25	0	23.72	0.236	23.73	0.236	23.68	0.233
5	16QAM	1	0	23.70	0.234	23.68	0.233	23.74	0.237
5	16QAM	1	12	23.75	0.237	23.97	0.249	23.87	0.244
5	16QAM	1	24	23.81	0.240	24.00	0.251	23.82	0.241
5	16QAM	12	0	23.72	0.236	23.78	0.239	23.69	0.234
5	16QAM	12	7	23.61	0.230	23.63	0.231	23.59	0.229
5	16QAM	12	13	23.61	0.230	23.67	0.233	23.80	0.240
5	16QAM	25	0	23.58	0.228	23.63	0.231	23.65	0.232
5	64QAM	1	0	23.82	0.241	23.87	0.244	23.83	0.242
5	64QAM	1	12	23.87	0.244	23.99	0.251	23.87	0.244
5	64QAM	1	24	23.91	0.246	24.01	0.252	23.97	0.249
5	64QAM	12	0	23.62	0.230	23.59	0.229	23.64	0.231
5	64QAM	12	7	23.71	0.235	23.76	0.238	23.55	0.226
5	64QAM	12	13	23.66	0.232	23.75	0.237	23.61	0.230
5	64QAM	25	0	23.61	0.230	23.60	0.229	23.65	0.232

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	22.51	0.178	22.57	0.181	22.50	0.178
10	QPSK	1	25	22.27	0.169	22.40	0.174	22.43	0.175
10	QPSK	1	49	22.37	0.173	22.38	0.173	22.37	0.173
10	QPSK	25	0	21.66	0.147	21.76	0.150	21.67	0.147
10	QPSK	25	12	21.63	0.146	21.57	0.144	21.36	0.137
10	QPSK	25	25	21.68	0.147	21.74	0.149	21.67	0.147
10	QPSK	50	0	21.69	0.148	21.71	0.148	21.62	0.145
10	16QAM	1	0	21.62	0.145	21.17	0.131	21.30	0.135
10	16QAM	1	25	21.37	0.137	21.32	0.136	21.46	0.140
10	16QAM	1	49	21.46	0.140	21.51	0.142	21.40	0.138
10	16QAM	25	0	21.35	0.136	21.37	0.137	21.31	0.135
10	16QAM	25	12	21.39	0.138	21.43	0.139	21.32	0.136
10	16QAM	25	25	21.44	0.139	21.45	0.140	21.39	0.138
10	16QAM	50	0	21.34	0.136	21.42	0.139	21.47	0.140
10	64QAM	1	0	21.19	0.132	21.31	0.135	21.65	0.146
10	64QAM	1	25	21.63	0.146	21.69	0.148	21.28	0.134
10	64QAM	1	49	21.65	0.146	21.33	0.136	21.26	0.134
10	64QAM	25	0	21.16	0.131	21.10	0.129	21.07	0.128
10	64QAM	25	12	21.21	0.132	21.24	0.133	21.16	0.131
10	64QAM	25	25	21.26	0.134	21.23	0.133	21.23	0.133
10	64QAM	50	0	21.18	0.131	21.11	0.129	21.22	0.132

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	22.16	0.164	22.49	0.177	22.27	0.169
5	QPSK	1	12	22.32	0.171	22.48	0.177	22.32	0.171
5	QPSK	1	24	22.28	0.169	22.47	0.177	22.33	0.171
5	QPSK	12	0	21.39	0.138	21.46	0.140	21.45	0.140
5	QPSK	12	7	21.50	0.141	21.52	0.142	21.49	0.141
5	QPSK	12	13	21.45	0.140	21.48	0.141	21.45	0.140
5	QPSK	25	0	21.41	0.138	21.53	0.142	21.49	0.141
5	16QAM	1	0	21.42	0.139	21.44	0.139	21.46	0.140
5	16QAM	1	12	21.59	0.144	21.54	0.143	21.55	0.143
5	16QAM	1	24	21.55	0.143	21.53	0.142	21.49	0.141
5	16QAM	12	0	21.29	0.135	21.26	0.134	21.29	0.135
5	16QAM	12	7	21.43	0.139	21.48	0.141	21.32	0.136
5	16QAM	12	13	21.38	0.137	21.35	0.136	21.40	0.138
5	16QAM	25	0	21.39	0.138	21.35	0.136	21.37	0.137
5	64QAM	1	0	21.17	0.131	21.18	0.131	21.23	0.133
5	64QAM	1	12	21.62	0.145	21.32	0.136	21.25	0.133
5	64QAM	1	24	21.60	0.145	21.29	0.135	21.34	0.136
5	64QAM	12	0	21.14	0.130	21.16	0.131	21.11	0.129
5	64QAM	12	7	21.24	0.133	21.12	0.129	21.18	0.131
5	64QAM	12	13	21.11	0.129	21.21	0.132	21.26	0.134
5	64QAM	25	0	21.26	0.134	21.22	0.132	21.19	0.132

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	22.24	0.167	22.51	0.178	22.18	0.165
3	QPSK	1	8	22.42	0.175	22.41	0.174	22.31	0.170
3	QPSK	1	14	22.36	0.172	22.47	0.177	22.42	0.175
3	QPSK	8	0	21.47	0.140	21.45	0.140	21.45	0.140
3	QPSK	8	4	21.50	0.141	21.53	0.142	21.54	0.143
3	QPSK	8	7	21.45	0.140	21.53	0.142	21.47	0.140
3	QPSK	15	0	21.44	0.139	21.52	0.142	21.38	0.137
3	16QAM	1	0	21.45	0.140	21.81	0.152	21.40	0.138
3	16QAM	1	8	21.65	0.146	21.63	0.146	21.58	0.144
3	16QAM	1	14	21.48	0.141	21.53	0.142	21.39	0.138
3	16QAM	8	0	21.45	0.140	21.34	0.136	21.37	0.137
3	16QAM	8	4	21.50	0.141	21.47	0.140	21.58	0.144
3	16QAM	8	7	21.34	0.136	21.37	0.137	21.43	0.139
3	16QAM	15	0	21.32	0.136	21.25	0.133	21.24	0.133
3	64QAM	1	0	21.18	0.131	21.52	0.142	21.51	0.142
3	64QAM	1	8	21.47	0.140	21.37	0.137	21.38	0.137
3	64QAM	1	14	21.40	0.138	21.25	0.133	21.36	0.137
3	64QAM	8	0	21.07	0.128	21.15	0.130	21.06	0.128
3	64QAM	8	4	21.16	0.131	21.20	0.132	21.19	0.132
3	64QAM	8	7	21.15	0.130	21.07	0.128	21.22	0.132
3	64QAM	15	0	21.14	0.130	21.16	0.131	21.08	0.128

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	22.27	0.169	22.44	0.175	22.24	0.167
1.4	QPSK	1	3	22.38	0.173	22.37	0.173	22.39	0.173
1.4	QPSK	1	5	22.27	0.169	22.32	0.171	22.28	0.169
1.4	QPSK	3	0	22.22	0.167	22.35	0.172	22.33	0.171
1.4	QPSK	3	1	22.43	0.175	22.43	0.175	22.10	0.162
1.4	QPSK	3	3	22.38	0.173	22.40	0.174	22.36	0.172
1.4	QPSK	6	0	21.44	0.139	21.41	0.138	21.39	0.138
1.4	16QAM	1	0	21.48	0.141	21.42	0.139	21.27	0.134
1.4	16QAM	1	3	21.29	0.135	21.72	0.149	21.39	0.138
1.4	16QAM	1	5	21.41	0.138	21.42	0.139	21.41	0.138
1.4	16QAM	3	0	21.25	0.133	21.28	0.134	21.29	0.135
1.4	16QAM	3	1	21.41	0.138	21.49	0.141	21.33	0.136
1.4	16QAM	3	3	21.24	0.133	21.38	0.137	21.38	0.137
1.4	16QAM	6	0	21.17	0.131	21.37	0.137	21.27	0.134
1.4	64QAM	1	0	21.02	0.126	21.17	0.131	21.01	0.126
1.4	64QAM	1	3	21.14	0.130	21.07	0.128	21.12	0.129
1.4	64QAM	1	5	21.30	0.135	21.33	0.136	21.29	0.135
1.4	64QAM	3	0	21.20	0.132	21.21	0.132	21.04	0.127
1.4	64QAM	3	1	21.18	0.131	21.42	0.139	21.27	0.134
1.4	64QAM	3	3	21.20	0.132	21.04	0.127	21.20	0.132
1.4	64QAM	6	0	21.16	0.131	21.17	0.131	21.04	0.127

LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.45	0.176	22.48	0.177	22.45	0.176
10	QPSK	1	25	22.33	0.171	22.29	0.169	22.35	0.172
10	QPSK	1	49	22.26	0.168	22.29	0.169	22.24	0.167
10	QPSK	25	0	21.56	0.143	21.62	0.145	21.54	0.143
10	QPSK	25	12	21.41	0.138	21.35	0.136	21.49	0.141
10	QPSK	25	25	21.39	0.138	21.39	0.138	21.48	0.141
10	QPSK	50	0	21.52	0.142	21.39	0.138	21.40	0.138
10	16QAM	1	0	21.25	0.133	21.44	0.139	21.58	0.144
10	16QAM	1	25	21.46	0.140	21.75	0.150	21.59	0.144
10	16QAM	1	49	21.42	0.139	21.67	0.147	21.72	0.149
10	16QAM	25	0	21.36	0.137	21.60	0.145	21.59	0.144
10	16QAM	25	12	21.42	0.139	21.57	0.144	21.55	0.143
10	16QAM	25	25	21.25	0.133	21.51	0.142	21.56	0.143
10	16QAM	50	0	21.29	0.135	21.58	0.144	21.55	0.143
10	64QAM	1	0	21.26	0.134	21.59	0.144	21.27	0.134
10	64QAM	1	25	21.49	0.141	21.39	0.138	21.29	0.135
10	64QAM	1	49	21.23	0.133	21.26	0.134	21.26	0.134
10	64QAM	25	0	21.41	0.138	21.58	0.144	21.56	0.143
10	64QAM	25	12	21.33	0.136	21.41	0.138	21.58	0.144
10	64QAM	25	25	21.27	0.134	21.48	0.141	21.64	0.146
10	64QAM	50	0	21.34	0.136	21.57	0.144	21.58	0.144

LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.39	0.173	22.35	0.172	22.31	0.170
5	QPSK	1	12	22.38	0.173	22.34	0.171	22.33	0.171
5	QPSK	1	24	22.30	0.170	22.36	0.172	22.35	0.172
5	QPSK	12	0	21.46	0.140	21.64	0.146	21.80	0.151
5	QPSK	12	7	21.55	0.143	21.43	0.139	21.51	0.142
5	QPSK	12	13	21.47	0.140	21.45	0.140	21.51	0.142
5	QPSK	25	0	21.40	0.138	21.55	0.143	21.55	0.143
5	16QAM	1	0	21.44	0.139	21.49	0.141	21.21	0.132
5	16QAM	1	12	21.61	0.145	21.17	0.131	21.54	0.143
5	16QAM	1	24	21.45	0.140	21.50	0.141	21.66	0.147
5	16QAM	12	0	21.13	0.130	21.16	0.131	21.37	0.137
5	16QAM	12	7	21.13	0.130	21.20	0.132	21.32	0.136
5	16QAM	12	13	21.04	0.127	21.29	0.135	21.32	0.136
5	16QAM	25	0	21.38	0.137	21.50	0.141	21.54	0.143
5	64QAM	1	0	21.18	0.131	21.19	0.132	21.19	0.132
5	64QAM	1	12	21.22	0.132	21.19	0.132	21.27	0.134
5	64QAM	1	24	21.27	0.134	21.27	0.134	21.19	0.132
5	64QAM	12	0	21.33	0.136	21.38	0.137	21.62	0.145
5	64QAM	12	7	21.46	0.140	21.54	0.143	21.48	0.141
5	64QAM	12	13	21.31	0.135	21.49	0.141	21.51	0.142
5	64QAM	25	0	21.28	0.134	21.47	0.140	21.63	0.146

LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.58	0.287	24.64	0.291	24.62	0.290
20	QPSK	1	49	24.43	0.277	24.42	0.277	24.38	0.274
20	QPSK	1	99	24.36	0.273	24.35	0.272	24.38	0.274
20	QPSK	50	0	23.81	0.240	23.88	0.244	23.84	0.242
20	QPSK	50	24	23.62	0.230	23.64	0.231	23.77	0.238
20	QPSK	50	50	23.66	0.232	23.74	0.237	23.62	0.230
20	QPSK	100	0	23.64	0.231	23.64	0.231	23.56	0.227
20	16QAM	1	0	23.69	0.234	23.45	0.221	23.73	0.236
20	16QAM	1	49	23.74	0.237	23.48	0.223	23.54	0.226
20	16QAM	1	99	23.74	0.237	23.92	0.247	23.71	0.235
20	16QAM	50	0	23.86	0.243	23.83	0.242	23.80	0.240
20	16QAM	50	24	23.75	0.237	23.75	0.237	23.76	0.238
20	16QAM	50	50	23.72	0.236	23.64	0.231	23.60	0.229
20	16QAM	100	0	23.68	0.233	23.71	0.235	23.77	0.238
20	64QAM	1	0	23.84	0.242	23.61	0.230	23.94	0.248
20	64QAM	1	49	23.61	0.230	23.94	0.248	23.93	0.247
20	64QAM	1	99	23.84	0.242	23.96	0.249	24.04	0.254
20	64QAM	50	0	23.80	0.240	23.70	0.234	23.83	0.242
20	64QAM	50	24	23.74	0.237	23.68	0.233	23.80	0.240
20	64QAM	50	50	23.76	0.238	23.64	0.231	23.70	0.234
20	64QAM	100	0	23.75	0.237	23.75	0.237	23.73	0.236

LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.44	0.278	24.48	0.281	24.46	0.279
15	QPSK	1	37	24.58	0.287	24.44	0.278	24.42	0.277
15	QPSK	1	74	24.42	0.277	24.38	0.274	24.36	0.273
15	QPSK	36	0	23.63	0.231	23.60	0.229	23.64	0.231
15	QPSK	36	20	23.63	0.231	23.55	0.226	23.65	0.232
15	QPSK	36	39	23.49	0.223	23.54	0.226	23.51	0.224
15	QPSK	75	0	23.58	0.228	23.62	0.230	23.55	0.226
15	16QAM	1	0	23.57	0.228	23.44	0.221	23.74	0.237
15	16QAM	1	37	23.44	0.221	23.74	0.237	23.67	0.233
15	16QAM	1	74	23.54	0.226	23.44	0.221	23.44	0.221
15	16QAM	36	0	23.75	0.237	23.75	0.237	23.66	0.232
15	16QAM	36	20	23.78	0.239	23.77	0.238	23.83	0.242
15	16QAM	36	39	23.70	0.234	23.85	0.243	23.79	0.239
15	16QAM	75	0	23.80	0.240	23.78	0.239	23.74	0.237
15	64QAM	1	0	23.94	0.248	23.84	0.242	23.94	0.248
15	64QAM	1	37	23.96	0.249	23.74	0.237	23.84	0.242
15	64QAM	1	74	23.61	0.230	23.87	0.244	23.94	0.248
15	64QAM	36	0	23.73	0.236	23.72	0.236	23.85	0.243
15	64QAM	36	20	23.83	0.242	23.79	0.239	23.80	0.240
15	64QAM	36	39	23.72	0.236	23.66	0.232	23.70	0.234
15	64QAM	75	0	23.74	0.237	23.76	0.238	23.73	0.236

LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.42	0.277	24.42	0.277	24.43	0.277
10	QPSK	1	25	24.32	0.270	24.30	0.269	24.38	0.274
10	QPSK	1	49	24.46	0.279	24.34	0.272	24.24	0.265
10	QPSK	25	0	23.89	0.245	23.82	0.241	23.89	0.245
10	QPSK	25	12	23.86	0.243	24.05	0.254	23.83	0.242
10	QPSK	25	25	23.87	0.244	23.83	0.242	23.75	0.237
10	QPSK	50	0	23.95	0.248	23.80	0.240	23.99	0.251
10	16QAM	1	0	23.87	0.244	23.87	0.244	24.07	0.255
10	16QAM	1	25	23.87	0.244	23.96	0.249	24.08	0.256
10	16QAM	1	49	23.70	0.234	23.90	0.245	23.78	0.239
10	16QAM	25	0	23.71	0.235	23.88	0.244	23.76	0.238
10	16QAM	25	12	23.70	0.234	23.90	0.245	23.81	0.240
10	16QAM	25	25	23.61	0.230	23.66	0.232	23.66	0.232
10	16QAM	50	0	23.77	0.238	23.81	0.240	23.82	0.241
10	64QAM	1	0	23.77	0.238	23.77	0.238	23.44	0.221
10	64QAM	1	25	23.44	0.221	23.57	0.228	23.47	0.222
10	64QAM	1	49	23.44	0.221	23.44	0.221	23.44	0.221
10	64QAM	25	0	23.77	0.238	23.75	0.237	23.77	0.238
10	64QAM	25	12	23.76	0.238	23.80	0.240	23.84	0.242
10	64QAM	25	25	23.76	0.238	23.69	0.234	23.71	0.235
10	64QAM	50	0	23.66	0.232	23.76	0.238	23.77	0.238

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	24.31	0.270	24.34	0.272	24.39	0.275
5	QPSK	1	12	24.34	0.272	24.34	0.272	24.33	0.271
5	QPSK	1	24	24.42	0.277	24.32	0.270	24.38	0.274
5	QPSK	12	0	23.58	0.228	23.60	0.229	23.56	0.227
5	QPSK	12	7	23.60	0.229	23.68	0.233	23.61	0.230
5	QPSK	12	13	23.51	0.224	23.57	0.228	23.58	0.228
5	QPSK	25	0	23.61	0.230	23.62	0.230	23.61	0.230
5	16QAM	1	0	24.10	0.257	23.79	0.239	23.80	0.240
5	16QAM	1	12	23.73	0.236	24.02	0.252	23.97	0.249
5	16QAM	1	24	23.85	0.243	23.74	0.237	24.09	0.256
5	16QAM	12	0	23.74	0.237	23.85	0.243	23.81	0.240
5	16QAM	12	7	23.91	0.246	23.83	0.242	23.95	0.248
5	16QAM	12	13	23.82	0.241	23.76	0.238	23.83	0.242
5	16QAM	25	0	23.83	0.242	23.85	0.243	23.77	0.238
5	64QAM	1	0	23.44	0.221	23.84	0.242	23.64	0.231
5	64QAM	1	12	23.74	0.237	23.74	0.237	23.74	0.237
5	64QAM	1	24	23.57	0.228	23.61	0.230	23.57	0.228
5	64QAM	12	0	23.81	0.240	23.56	0.227	23.77	0.238
5	64QAM	12	7	23.89	0.245	23.48	0.223	23.79	0.239
5	64QAM	12	13	23.72	0.236	23.84	0.242	23.79	0.239
5	64QAM	25	0	23.79	0.239	23.87	0.244	23.74	0.237

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	24.38	0.274	24.29	0.269	24.28	0.268
3	QPSK	1	8	24.25	0.266	24.26	0.267	24.34	0.272
3	QPSK	1	14	24.16	0.261	23.97	0.249	24.27	0.267
3	QPSK	8	0	23.84	0.242	23.81	0.240	23.85	0.243
3	QPSK	8	4	23.84	0.242	23.76	0.238	23.86	0.243
3	QPSK	8	7	23.70	0.234	23.75	0.237	23.72	0.236
3	QPSK	15	0	23.79	0.239	23.83	0.242	23.76	0.238
3	16QAM	1	0	23.48	0.223	23.89	0.245	23.65	0.232
3	16QAM	1	8	23.81	0.240	23.75	0.237	23.74	0.237
3	16QAM	1	14	23.85	0.243	23.74	0.237	23.44	0.221
3	16QAM	8	0	23.66	0.232	23.66	0.232	23.57	0.228
3	16QAM	8	4	23.69	0.234	23.68	0.233	23.74	0.237
3	16QAM	8	7	23.61	0.230	23.76	0.238	23.70	0.234
3	16QAM	15	0	23.71	0.235	23.69	0.234	23.65	0.232
3	64QAM	1	0	23.85	0.243	23.75	0.237	23.85	0.243
3	64QAM	1	8	23.87	0.244	23.65	0.232	23.75	0.237
3	64QAM	1	14	23.52	0.225	23.78	0.239	23.85	0.243
3	64QAM	8	0	23.64	0.231	23.63	0.231	23.76	0.238
3	64QAM	8	4	23.74	0.237	23.70	0.234	23.71	0.235
3	64QAM	8	7	23.63	0.231	23.57	0.228	23.61	0.230
3	64QAM	15	0	23.65	0.232	23.67	0.233	23.64	0.231

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	24.32	0.270	24.23	0.265	24.24	0.265
1.4	QPSK	1	3	24.38	0.274	24.40	0.275	24.40	0.275
1.4	QPSK	1	5	24.30	0.269	24.18	0.262	24.34	0.272
1.4	QPSK	3	0	24.29	0.269	24.22	0.264	24.29	0.269
1.4	QPSK	3	1	24.26	0.267	24.32	0.270	24.23	0.265
1.4	QPSK	3	3	24.27	0.267	24.23	0.265	24.15	0.260
1.4	QPSK	6	0	23.87	0.244	23.72	0.236	23.91	0.246
1.4	16QAM	1	0	23.79	0.239	23.79	0.239	23.99	0.251
1.4	16QAM	1	3	24.03	0.253	24.12	0.258	24.24	0.265
1.4	16QAM	1	5	23.86	0.243	24.06	0.255	23.94	0.248
1.4	16QAM	3	0	23.57	0.228	23.54	0.226	23.80	0.240
1.4	16QAM	3	1	23.66	0.232	23.56	0.227	23.68	0.233
1.4	16QAM	3	3	23.67	0.233	23.68	0.233	23.62	0.230
1.4	16QAM	6	0	23.56	0.227	23.47	0.222	23.48	0.223
1.4	64QAM	1	0	23.90	0.245	23.75	0.237	23.91	0.246
1.4	64QAM	1	3	23.63	0.231	23.72	0.236	23.72	0.236
1.4	64QAM	1	5	23.60	0.229	23.60	0.229	23.71	0.235
1.4	64QAM	3	0	23.69	0.234	23.67	0.233	23.69	0.234
1.4	64QAM	3	1	23.68	0.233	23.72	0.236	23.76	0.238
1.4	64QAM	3	3	23.68	0.233	23.61	0.230	23.63	0.231
1.4	64QAM	6	0	23.58	0.228	23.68	0.233	23.69	0.234

LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133222		133322		133372	
Frequency (MHz)				673		683		688	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	22.76	0.189	22.84	0.192	22.79	0.190
20	QPSK	1	49	22.73	0.187	22.76	0.189	22.71	0.187
20	QPSK	1	99	22.66	0.185	22.70	0.186	22.74	0.188
20	QPSK	50	0	21.76	0.150	21.78	0.151	21.74	0.149
20	QPSK	50	24	21.69	0.148	21.66	0.147	21.69	0.148
20	QPSK	50	50	21.63	0.146	21.73	0.149	21.59	0.144
20	QPSK	100	0	21.60	0.145	21.64	0.146	21.52	0.142
20	16QAM	1	0	21.88	0.154	21.90	0.155	21.86	0.153
20	16QAM	1	49	21.81	0.152	21.78	0.151	21.81	0.152
20	16QAM	1	99	21.75	0.150	21.85	0.153	21.71	0.148
20	16QAM	50	0	20.66	0.116	20.70	0.117	20.58	0.114
20	16QAM	50	24	20.75	0.119	20.72	0.118	20.75	0.119
20	16QAM	50	50	20.69	0.117	20.79	0.120	20.65	0.116
20	16QAM	100	0	20.66	0.116	20.70	0.117	20.58	0.114
20	64QAM	1	0	20.81	0.121	20.83	0.121	20.79	0.120
20	64QAM	1	49	20.74	0.119	20.71	0.118	20.74	0.119
20	64QAM	1	99	20.68	0.117	20.78	0.120	20.64	0.116
20	64QAM	50	0	20.48	0.112	20.52	0.113	20.40	0.110
20	64QAM	50	24	20.57	0.114	20.54	0.113	20.57	0.114
20	64QAM	50	50	20.51	0.112	20.61	0.115	20.47	0.111
20	64QAM	100	0	20.48	0.112	20.52	0.113	20.40	0.110

LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	22.67	0.185	22.75	0.188	22.70	0.186
15	QPSK	1	37	22.64	0.184	22.67	0.185	22.62	0.183
15	QPSK	1	74	22.57	0.181	22.61	0.182	22.65	0.184
15	QPSK	36	0	21.67	0.147	21.69	0.148	21.65	0.146
15	QPSK	36	20	21.60	0.145	21.57	0.144	21.60	0.145
15	QPSK	36	39	21.54	0.143	21.64	0.146	21.50	0.141
15	QPSK	75	0	21.51	0.142	21.55	0.143	21.43	0.139
15	16QAM	1	0	21.79	0.151	21.81	0.152	21.77	0.150
15	16QAM	1	37	21.72	0.149	21.69	0.148	21.72	0.149
15	16QAM	1	74	21.66	0.147	21.76	0.150	21.62	0.145
15	16QAM	36	0	20.57	0.114	20.61	0.115	20.49	0.112
15	16QAM	36	20	20.66	0.116	20.63	0.116	20.66	0.116
15	16QAM	36	39	20.60	0.115	20.70	0.117	20.56	0.114
15	16QAM	75	0	20.57	0.114	20.61	0.115	20.49	0.112
15	64QAM	1	0	20.72	0.118	20.74	0.119	20.70	0.117
15	64QAM	1	37	20.65	0.116	20.62	0.115	20.65	0.116
15	64QAM	1	74	20.59	0.115	20.69	0.117	20.55	0.114
15	64QAM	36	0	20.41	0.110	20.45	0.111	20.33	0.108
15	64QAM	36	20	20.50	0.112	20.47	0.111	20.50	0.112
15	64QAM	36	39	20.44	0.111	20.54	0.113	20.40	0.110
15	64QAM	75	0	20.41	0.110	20.45	0.111	20.33	0.108

LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133172		133297		133422	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	22.60	0.182	22.68	0.185	22.63	0.183
10	QPSK	1	25	22.57	0.181	22.60	0.182	22.55	0.180
10	QPSK	1	49	22.50	0.178	22.54	0.179	22.58	0.181
10	QPSK	25	0	21.60	0.145	21.62	0.145	21.58	0.144
10	QPSK	25	12	21.53	0.142	21.50	0.141	21.53	0.142
10	QPSK	25	25	21.47	0.140	21.57	0.144	21.43	0.139
10	QPSK	50	0	21.44	0.139	21.48	0.141	21.36	0.137
10	16QAM	1	0	21.72	0.149	21.74	0.149	21.70	0.148
10	16QAM	1	25	21.65	0.146	21.62	0.145	21.65	0.146
10	16QAM	1	49	21.59	0.144	21.69	0.148	21.55	0.143
10	16QAM	25	0	20.50	0.112	20.54	0.113	20.42	0.110
10	16QAM	25	12	20.59	0.115	20.56	0.114	20.59	0.115
10	16QAM	25	25	20.53	0.113	20.63	0.116	20.49	0.112
10	16QAM	50	0	20.50	0.112	20.54	0.113	20.42	0.110
10	64QAM	1	0	20.64	0.116	20.66	0.116	20.62	0.115
10	64QAM	1	25	20.57	0.114	20.54	0.113	20.57	0.114
10	64QAM	1	49	20.51	0.112	20.61	0.115	20.47	0.111
10	64QAM	25	0	20.33	0.108	20.37	0.109	20.25	0.106
10	64QAM	25	12	20.42	0.110	20.39	0.109	20.42	0.110
10	64QAM	25	25	20.36	0.109	20.46	0.111	20.32	0.108
10	64QAM	50	0	20.33	0.108	20.37	0.109	20.25	0.106

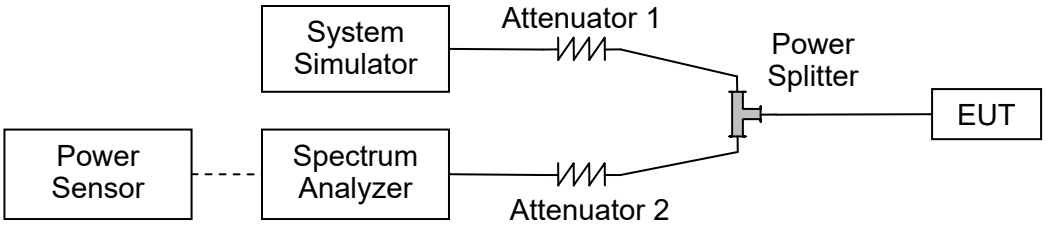
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.64	0.184	22.63	0.183	22.58	0.181
5	QPSK	1	12	22.52	0.179	22.55	0.180	22.50	0.178
5	QPSK	1	24	22.45	0.176	22.49	0.177	22.53	0.179
5	QPSK	12	0	21.55	0.143	21.57	0.144	21.53	0.142
5	QPSK	12	7	21.48	0.141	21.45	0.140	21.48	0.141
5	QPSK	12	13	21.42	0.139	21.52	0.142	21.38	0.137
5	QPSK	25	0	21.39	0.138	21.43	0.139	21.31	0.135
5	16QAM	1	0	21.67	0.147	21.69	0.148	21.65	0.146
5	16QAM	1	12	21.60	0.145	21.57	0.144	21.60	0.145
5	16QAM	1	24	21.54	0.143	21.64	0.146	21.50	0.141
5	16QAM	12	0	20.45	0.111	20.49	0.112	20.37	0.109
5	16QAM	12	7	20.54	0.113	20.51	0.112	20.54	0.113
5	16QAM	12	13	20.48	0.112	20.58	0.114	20.44	0.111
5	16QAM	25	0	20.45	0.111	20.49	0.112	20.37	0.109
5	64QAM	1	0	20.60	0.115	20.62	0.115	20.58	0.114
5	64QAM	1	12	20.53	0.113	20.50	0.112	20.53	0.113
5	64QAM	1	24	20.47	0.111	20.57	0.114	20.43	0.110
5	64QAM	12	0	20.27	0.106	20.31	0.107	20.19	0.104
5	64QAM	12	7	20.36	0.109	20.33	0.108	20.36	0.109
5	64QAM	12	13	20.30	0.107	20.40	0.110	20.26	0.106
5	64QAM	25	0	20.27	0.106	20.31	0.107	20.19	0.104

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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

2.2.4. Test Result

LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.08	1.23
	Low	16QAM	1.09	1.25
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.24
	High	QPSK	1.09	1.25
	High	16QAM	1.10	1.24
	High	64QAM	1.10	1.26
3	Low	QPSK	2.72	3.04
	Low	16QAM	2.71	3.04
	Low	64QAM	2.72	3.07
	Mid	QPSK	2.72	3.05
	Mid	16QAM	2.71	3.06
	Mid	64QAM	2.72	3.06
	High	QPSK	2.72	3.05
	High	16QAM	2.72	3.06
	High	64QAM	2.73	3.05
5	Low	QPSK	4.50	4.95
	Low	16QAM	4.50	4.99
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.50	4.95
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.49	4.97
	High	QPSK	4.51	4.95
	High	16QAM	4.50	5.00
	High	64QAM	4.50	4.96
10	Low	QPSK	9.02	9.90
	Low	16QAM	8.98	9.80
	Low	64QAM	9.00	9.84
	Mid	QPSK	9.01	9.83
	Mid	16QAM	8.98	9.84
	Mid	64QAM	8.99	9.88
	High	QPSK	9.00	9.95
	High	16QAM	8.98	9.85
	High	64QAM	8.99	9.85

15	Low	QPSK	13.47	14.82
	Low	16QAM	13.47	14.9
	Low	64QAM	13.45	14.94
	Mid	QPSK	13.50	14.89
	Mid	16QAM	13.52	14.94
	Mid	64QAM	13.51	14.98
	High	QPSK	13.46	14.89
	High	16QAM	13.48	14.87
	High	64QAM	13.48	14.96
20	Low	QPSK	17.96	19.7
	Low	16QAM	17.96	19.74
	Low	64QAM	17.98	19.64
	Mid	QPSK	18.04	19.77
	Mid	16QAM	18.01	19.86
	Mid	64QAM	18.02	19.82
	High	QPSK	17.96	19.74
	High	16QAM	18.01	19.73
	High	64QAM	17.97	19.76

LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.26
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.04
	Low	16QAM	2.72	3.05
	Low	64QAM	2.72	3.05
	Mid	QPSK	2.71	3.03
	Mid	16QAM	2.71	3.04
	Mid	64QAM	2.72	3.07
	High	QPSK	2.72	3.05
	High	16QAM	2.71	3.05
	High	64QAM	2.72	3.06
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.50	4.97
	Low	64QAM	4.51	5.97
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.50	4.95
	Mid	64QAM	4.49	4.95
	High	QPSK	4.50	4.96
	High	16QAM	4.50	4.97
	High	64QAM	4.49	4.97
10	Low	QPSK	9.03	9.87
	Low	16QAM	8.98	9.81
	Low	64QAM	9.01	9.88
	Mid	QPSK	9.02	9.83
	Mid	16QAM	8.99	9.82
	Mid	64QAM	9.00	9.89
	High	QPSK	9.02	9.92
	High	16QAM	8.99	9.84
	High	64QAM	8.99	9.83

15	Low	QPSK	13.45	14.88
	Low	16QAM	13.48	14.88
	Low	64QAM	13.47	14.99
	Mid	QPSK	13.49	14.90
	Mid	16QAM	13.50	14.93
	Mid	64QAM	13.51	14.94
	High	QPSK	13.50	14.94
	High	16QAM	13.49	14.92
	High	64QAM	13.52	14.95
20	Low	QPSK	17.96	19.77
	Low	16QAM	17.97	19.81
	Low	64QAM	17.95	19.63
	Mid	QPSK	18.02	19.68
	Mid	16QAM	18.03	19.8
	Mid	64QAM	17.99	19.69
	High	QPSK	18.02	19.76
	High	16QAM	18.02	19.85
	High	64QAM	18.02	19.73

LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.25
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.26
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.25
3	Low	QPSK	2.72	3.05
	Low	16QAM	2.72	3.06
	Low	64QAM	2.72	3.05
	Mid	QPSK	2.72	3.05
	Mid	16QAM	2.72	3.05
	Mid	64QAM	2.73	3.05
	High	QPSK	2.72	3.07
	High	16QAM	2.72	3.06
	High	64QAM	2.72	3.05
5	Low	QPSK	4.51	4.98
	Low	16QAM	4.50	4.97
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.51	4.96
	Mid	16QAM	4.50	4.97
	Mid	64QAM	4.50	4.95
	High	QPSK	4.51	5.00
	High	16QAM	4.51	4.96
	High	64QAM	4.50	4.94
10	Low	QPSK	9.05	9.96
	Low	16QAM	8.98	9.85
	Low	64QAM	9.02	9.89
	Mid	QPSK	9.02	9.91
	Mid	16QAM	8.98	9.86
	Mid	64QAM	9.00	9.83
	High	QPSK	9.01	9.94
	High	16QAM	8.98	9.85
	High	64QAM	8.99	9.88

LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.99
	Low	16QAM	4.50	4.96
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	4.97
	Mid	64QAM	4.50	4.96
	High	QPSK	4.50	4.96
	High	16QAM	4.51	5.01
	High	64QAM	4.49	4.95
10	Low	QPSK	9.02	9.81
	Low	16QAM	8.99	9.83
	Low	64QAM	9.00	9.88
	Mid	QPSK	9.03	9.89
	Mid	16QAM	8.98	9.87
	Mid	64QAM	9.01	9.88
	High	QPSK	9.01	9.92
	High	16QAM	9.00	9.90
	High	64QAM	8.99	9.89
15	Low	QPSK	13.51	14.99
	Low	16QAM	13.52	15.07
	Low	64QAM	13.51	15.00
	Mid	QPSK	13.52	14.93
	Mid	16QAM	13.50	14.95
	Mid	64QAM	13.49	14.93
	High	QPSK	13.53	14.93
	High	16QAM	13.50	14.95
	High	64QAM	13.51	15.01
20	Low	QPSK	18.00	19.78
	Low	16QAM	18.05	19.81
	Low	64QAM	18.01	19.72
	Mid	QPSK	18.01	19.77
	Mid	16QAM	18.02	19.87
	Mid	64QAM	18.02	19.85
	High	QPSK	18.00	19.67
	High	16QAM	18.00	19.84
	High	64QAM	17.99	19.80

LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.25
	Low	64QAM	1.10	1.25
	Mid	QPSK	1.10	1.24
	Mid	16QAM	1.10	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.25
	High	64QAM	1.10	1.24
3	Low	QPSK	2.71	3.05
	Low	16QAM	2.72	3.06
	Low	64QAM	2.72	3.04
	Mid	QPSK	2.71	3.04
	Mid	16QAM	2.72	3.05
	Mid	64QAM	2.72	3.07
	High	QPSK	2.71	3.05
	High	16QAM	2.72	3.05
	High	64QAM	2.72	3.04
5	Low	QPSK	4.49	4.93
	Low	16QAM	4.50	4.97
	Low	64QAM	4.49	4.96
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.50	4.97
	Mid	64QAM	4.51	4.95
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.94
	High	64QAM	4.50	4.97
10	Low	QPSK	9.02	9.92
	Low	16QAM	8.98	9.90
	Low	64QAM	9.02	9.83
	Mid	QPSK	9.01	9.83
	Mid	16QAM	8.99	9.84
	Mid	64QAM	9.00	9.90
	High	QPSK	8.98	9.87
	High	16QAM	8.97	9.82
	High	64QAM	8.98	9.84

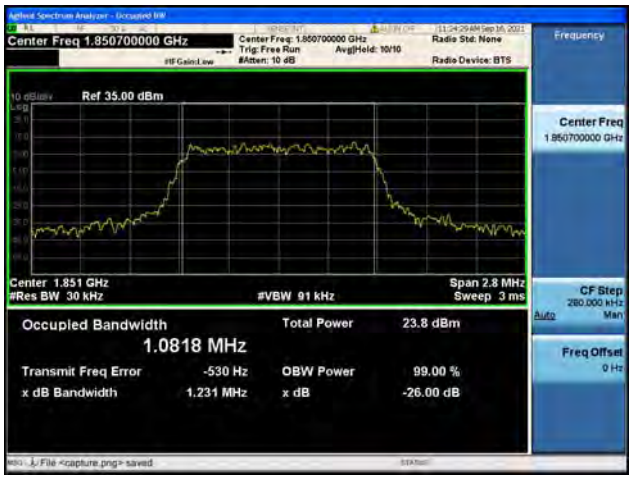
LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.96
	Low	16QAM	4.50	5.02
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.50	4.96
	Mid	16QAM	4.50	5.00
	Mid	64QAM	4.50	4.96
	High	QPSK	4.50	4.97
	High	16QAM	4.50	4.96
	High	64QAM	4.50	5.61
10	Low	QPSK	8.99	9.74
	Low	16QAM	8.99	9.84
	Low	64QAM	9.00	9.90
	Mid	QPSK	9.02	9.87
	Mid	16QAM	8.97	9.85
	Mid	64QAM	9.00	9.84
	High	QPSK	9.00	9.86
	High	16QAM	8.97	9.82
	High	64QAM	8.98	9.92

LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.09	1.25
	Low	64QAM	1.09	1.25
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.09	1.25
	Mid	64QAM	1.10	1.25
	High	QPSK	1.10	1.26
	High	16QAM	1.10	1.26
	High	64QAM	1.10	1.27
3	Low	QPSK	2.72	3.07
	Low	16QAM	2.72	3.05
	Low	64QAM	2.72	3.06
	Mid	QPSK	2.72	3.06
	Mid	16QAM	2.72	3.07
	Mid	64QAM	2.72	3.06
	High	QPSK	2.75	4.92
	High	16QAM	2.76	4.63
	High	64QAM	2.74	4.63
5	Low	QPSK	4.52	4.99
	Low	16QAM	4.50	4.95
	Low	64QAM	4.52	4.98
	Mid	QPSK	4.51	4.94
	Mid	16QAM	4.51	4.97
	Mid	64QAM	4.51	5.00
	High	QPSK	4.56	9.03
	High	16QAM	4.53	5.03
	High	64QAM	4.53	5.01
10	Low	QPSK	8.99	9.87
	Low	16QAM	9.00	9.86
	Low	64QAM	8.97	9.84
	Mid	QPSK	8.99	9.95
	Mid	16QAM	8.99	9.88
	Mid	64QAM	8.99	9.85
	High	QPSK	9.04	9.94
	High	16QAM	9.02	9.87
	High	64QAM	9.00	9.93

15	Low	QPSK	13.46	14.86
	Low	16QAM	13.48	14.90
	Low	64QAM	13.47	14.81
	Mid	QPSK	13.49	14.84
	Mid	16QAM	13.47	14.86
	Mid	64QAM	13.49	14.97
	High	QPSK	13.49	15.05
	High	16QAM	13.50	14.90
	High	64QAM	13.49	14.99
20	Low	QPSK	17.99	19.76
	Low	16QAM	17.97	19.78
	Low	64QAM	17.96	19.72
	Mid	QPSK	18.04	19.82
	Mid	16QAM	18.03	19.81
	Mid	64QAM	18.06	19.68
	High	QPSK	18.02	19.96
	High	16QAM	17.95	19.76
	High	64QAM	18.01	19.90

LTE Band 71				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.48	4.97
	Low	16QAM	4.50	4.96
	Low	64QAM	4.50	4.98
	Mid	QPSK	4.51	4.97
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.50	4.95
	High	QPSK	4.49	4.97
	High	16QAM	4.50	4.97
	High	64QAM	4.50	4.98
10	Low	QPSK	9.01	9.89
	Low	16QAM	8.99	9.85
	Low	64QAM	9.02	9.93
	Mid	QPSK	9.03	9.93
	Mid	16QAM	8.99	9.91
	Mid	64QAM	9.05	9.96
	High	QPSK	9.03	9.94
	High	16QAM	8.98	9.82
	High	64QAM	8.97	9.48
15	Low	QPSK	13.46	14.83
	Low	16QAM	13.48	14.89
	Low	64QAM	13.44	14.94
	Mid	QPSK	13.54	14.94
	Mid	16QAM	13.51	15.07
	Mid	64QAM	13.50	14.99
	High	QPSK	13.47	14.92
	High	16QAM	13.46	14.91
	High	64QAM	13.44	14.80
20	Low	QPSK	17.94	19.74
	Low	16QAM	17.99	19.69
	Low	64QAM	17.98	19.67
	Mid	QPSK	18.00	19.84
	Mid	16QAM	17.97	19.15
	Mid	64QAM	18.02	19.84
	High	QPSK	17.96	19.81
	High	16QAM	17.98	19.83
	High	64QAM	17.94	19.84

Band2 / 1.4MHz / Low CH / QPSK



Band2 / 1.4MHz / Low CH / 16QAM

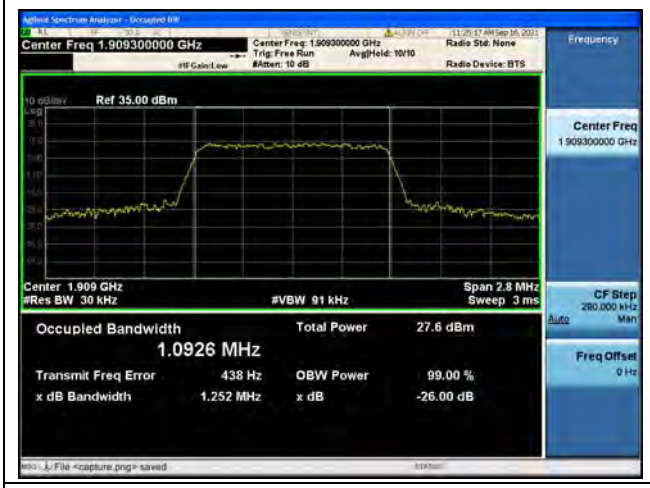
Band2 / 1.4MHz / Low CH / 64QAM

Band2 / 1.4MHz / Mid CH / QPSK

Band2 / 1.4MHz / Mid CH / 16QAM

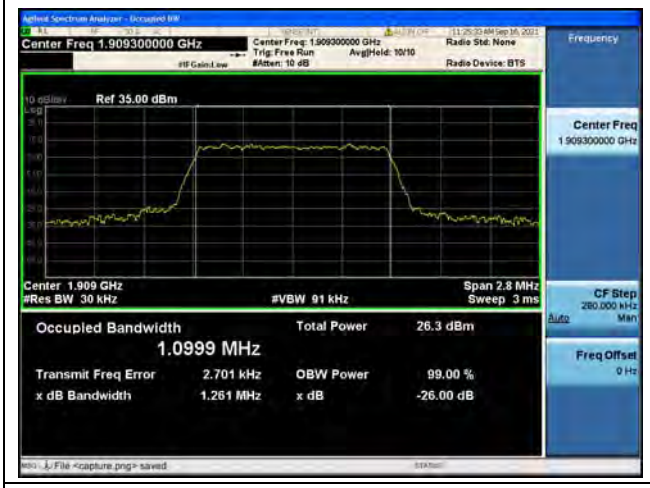
Band2 / 1.4MHz / Mid CH / 64QAM

Band2 / 1.4MHz / High CH / QPSK



Band2 / 1.4MHz / High CH / 16QAM

Band2 / 1.4MHz / High CH / 64QAM

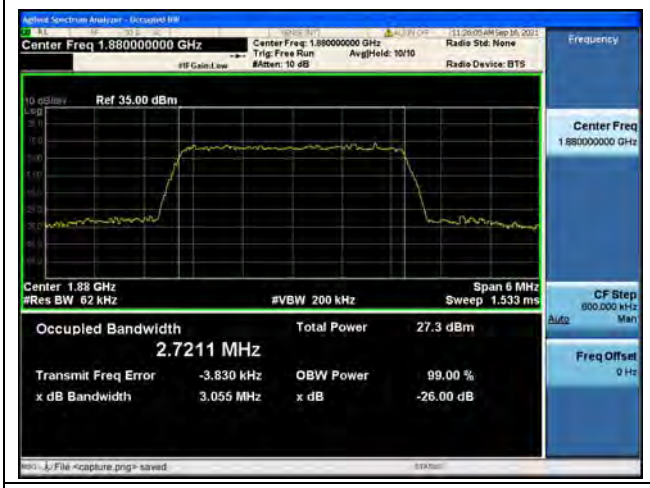


Band2 / 3MHz / Low CH / QPSK

Band2 / 3MHz / Low CH / 16QAM

Band2 / 3MHz / Low CH / 64QAM

Band2 / 3MHz / Mid CH / QPSK

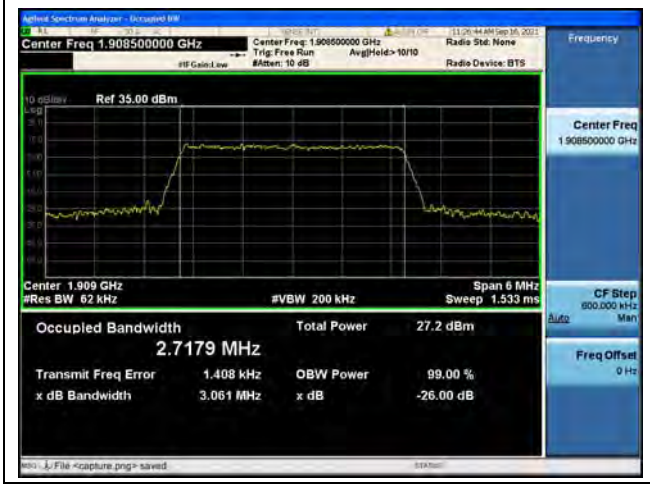


Band2 / 3MHz / Mid CH / 16QAM

Band2 / 3MHz / Mid CH / 64QAM

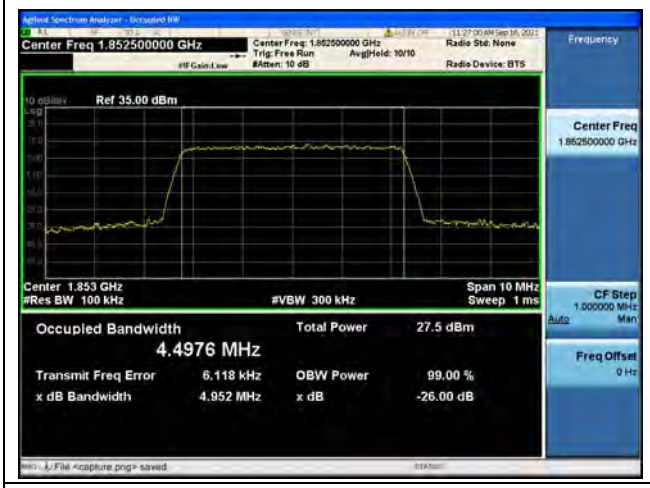
Band2 / 3MHz / High CH / QPSK

Band2 / 3MHz / High CH / 16QAM



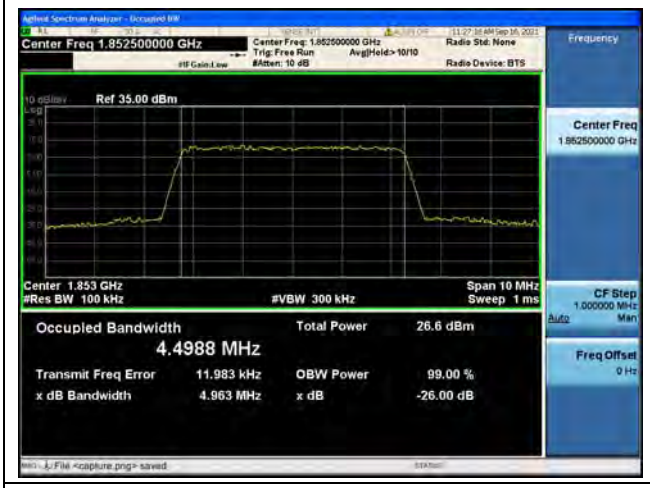
Band2 / 3MHz / High CH / 64QAM

Band2 / 5MHz / Low CH / QPSK



Band2 / 5MHz / Low CH / 16QAM

Band2 / 5MHz / Low CH / 64QAM

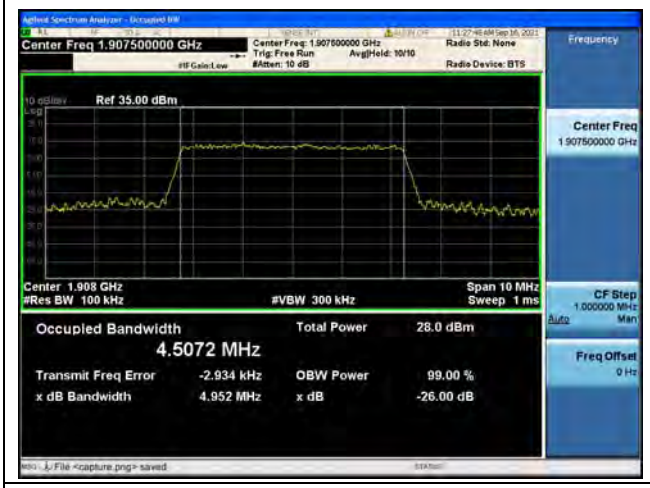


Band2 / 5MHz / Mid CH / QPSK

Band2 / 5MHz / Mid CH / 16QAM

Band2 / 5MHz / Mid CH / 64QAM

Band2 / 5MHz / High CH / QPSK

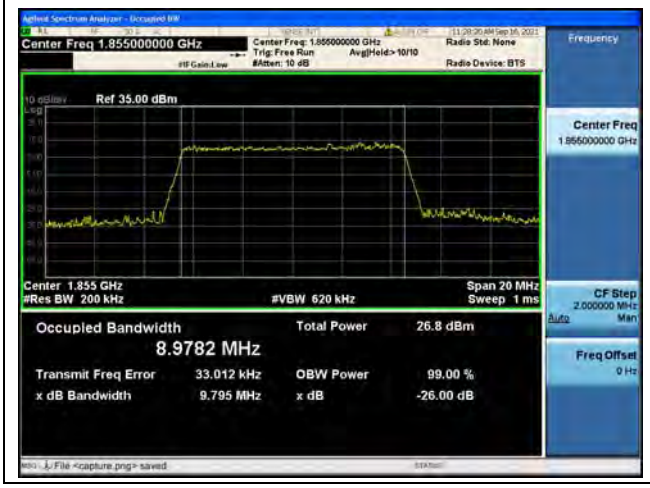


Band2 / 5MHz / High CH / 16QAM

Band2 / 5MHz / High CH / 64QAM

Band2 / 10MHz / Low CH / QPSK

Band2 / 10MHz / Low CH / 16QAM



Band2 / 10MHz / Low CH / 64QAM

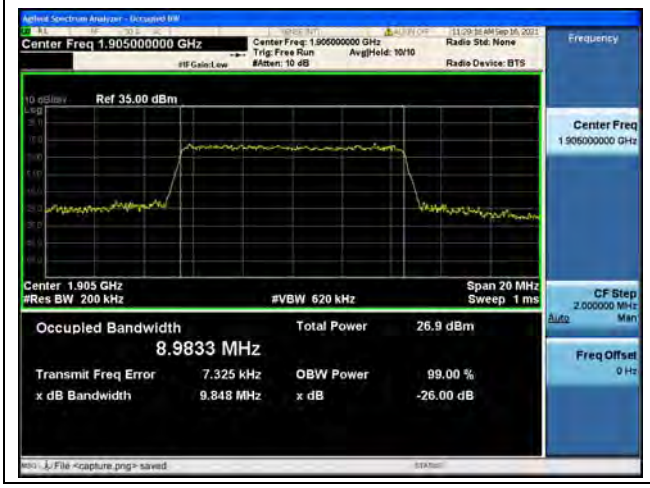
Band2 / 10MHz / Mid CH / QPSK

Band2 / 10MHz / Mid CH / 16QAM

Band2 / 10MHz / Mid CH / 64QAM

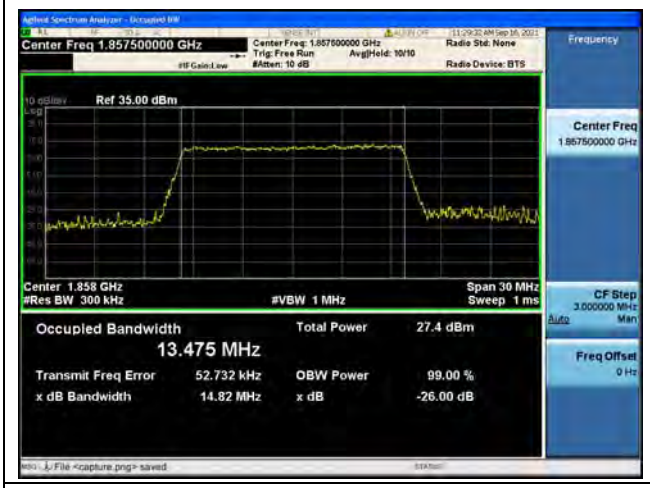
Band2 / 10MHz / High CH / QPSK

Band2 / 10MHz / High CH / 16QAM



Band2 / 10MHz / High CH / 64QAM

Band2 / 15MHz / Low CH / QPSK

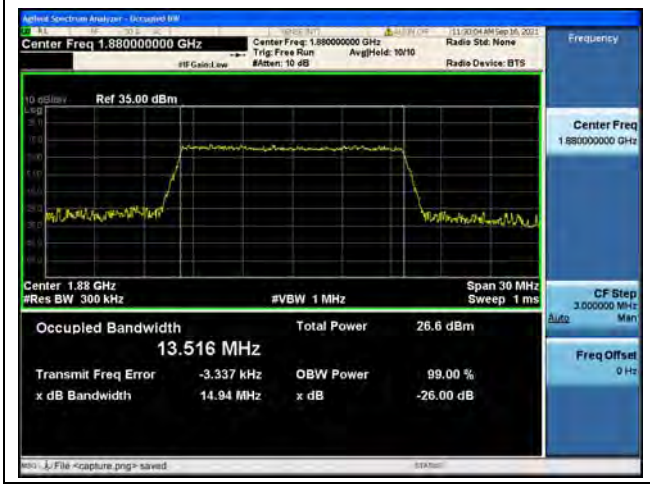


Band2 / 15MHz / Low CH / 16QAM

Band2 / 15MHz / Low CH / 64QAM

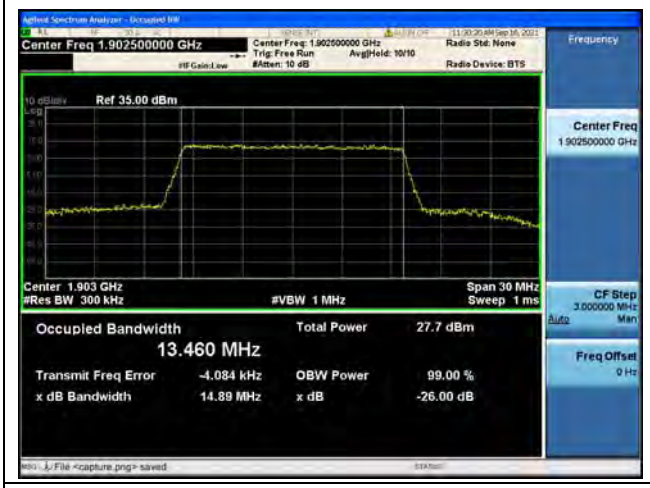
Band2 / 15MHz / Mid CH / QPSK

Band2 / 15MHz / Mid CH / 16QAM



Band2 / 15MHz / Mid CH / 64QAM

Band2 / 15MHz / High CH / QPSK



Band2 / 15MHz / High CH / 16QAM

Band2 / 15MHz / High CH / 64QAM

Band2 / 20MHz / Low CH / QPSK

Band2 / 20MHz / Low CH / 16QAM

Band2 / 20MHz / Low CH / 64QAM

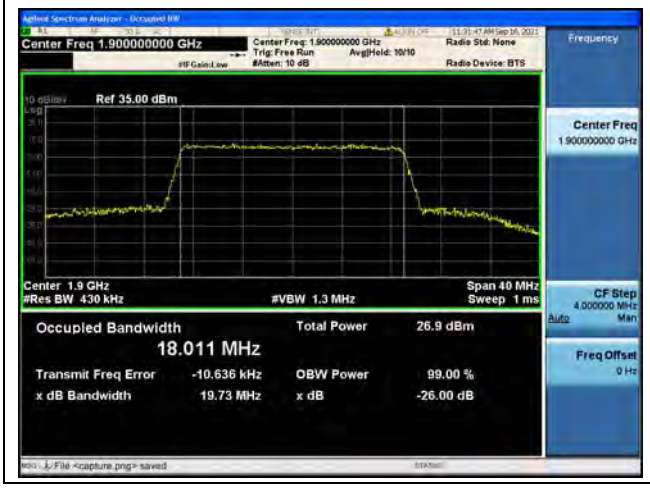
Band2 / 20MHz / Mid CH / QPSK

Band2 / 20MHz / Mid CH / 16QAM

Band2 / 20MHz / Mid CH / 64QAM

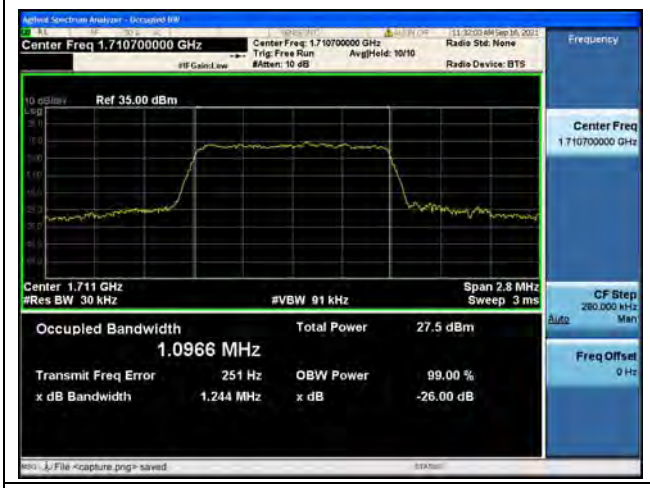
Band2 / 20MHz / High CH / QPSK

Band2 / 20MHz / High CH / 16QAM



Band2 / 20MHz / High CH / 64QAM

Band4 / 1.4MHz / Low CH / QPSK

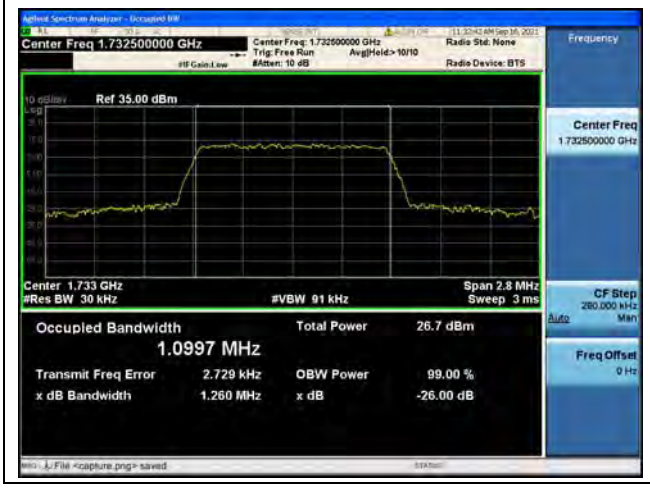


Band4 / 1.4MHz / Low CH / 16QAM

Band4 / 1.4MHz / Low CH / 64QAM

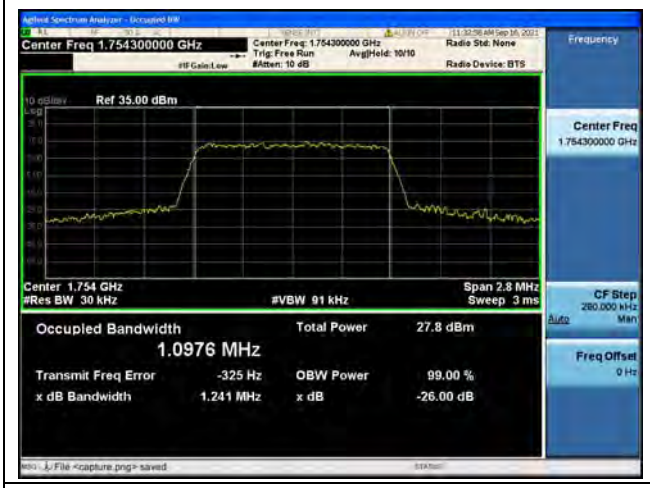
Band4 / 1.4MHz / Mid CH / QPSK

Band4 / 1.4MHz / Mid CH / 16QAM



Band4 / 1.4MHz / Mid CH / 64QAM

Band4 / 1.4MHz / High CH / QPSK



Band4 / 1.4MHz / High CH / 16QAM

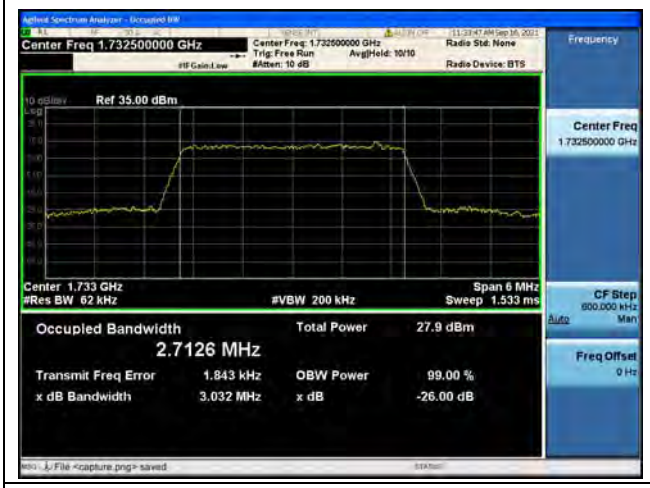
Band4 / 1.4MHz / High CH / 64QAM

Band4 / 3MHz / Low CH / QPSK

Band4 / 3MHz / Low CH / 16QAM

Band4 / 3MHz / Low CH / 64QAM

Band4 / 3MHz / Mid CH / QPSK



Band4 / 3MHz / Mid CH / 16QAM

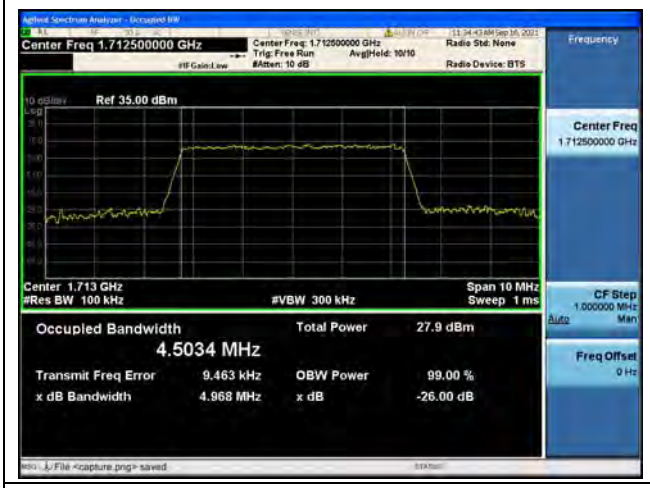
Band4 / 3MHz / Mid CH / 64QAM

Band4 / 3MHz / High CH / QPSK

Band4 / 3MHz / High CH / 16QAM

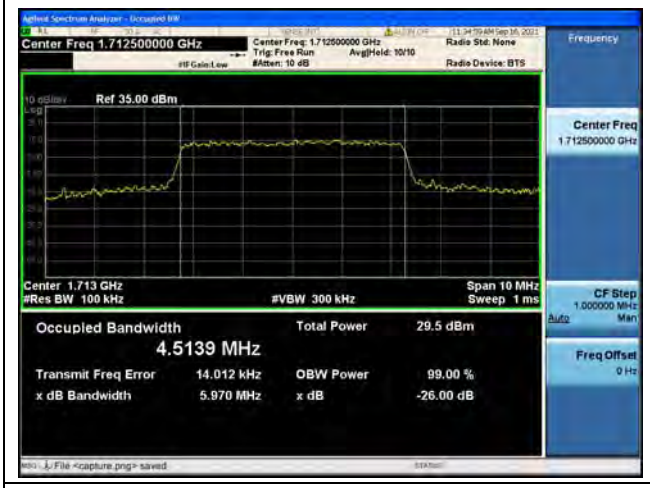
Band4 / 3MHz / High CH / 64QAM

Band4 / 5MHz / Low CH / QPSK



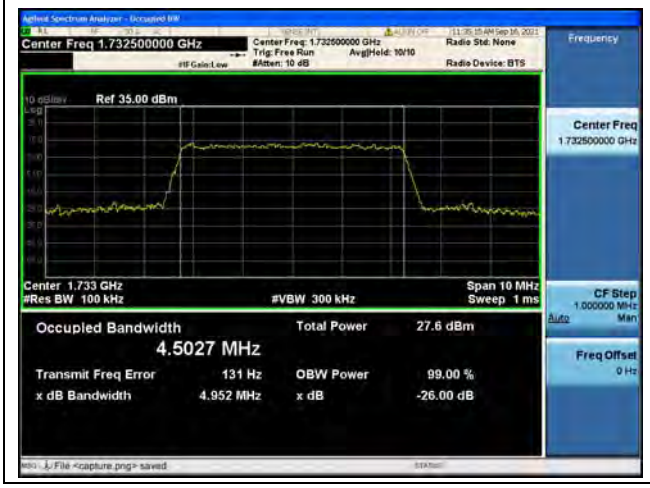
Band4 / 5MHz / Low CH / 16QAM

Band4 / 5MHz / Low CH / 64QAM



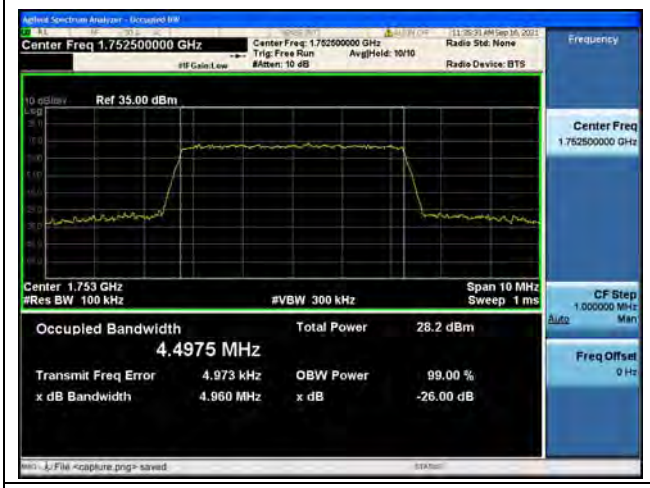
Band4 / 5MHz / Mid CH / QPSK

Band4 / 5MHz / Mid CH / 16QAM



Band4 / 5MHz / Mid CH / 64QAM

Band4 / 5MHz / High CH / QPSK

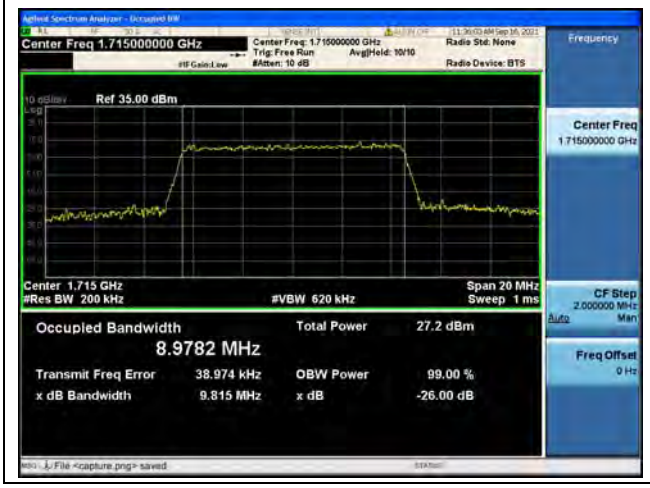


Band4 / 5MHz / High CH / 16QAM

Band4 / 5MHz / High CH / 64QAM

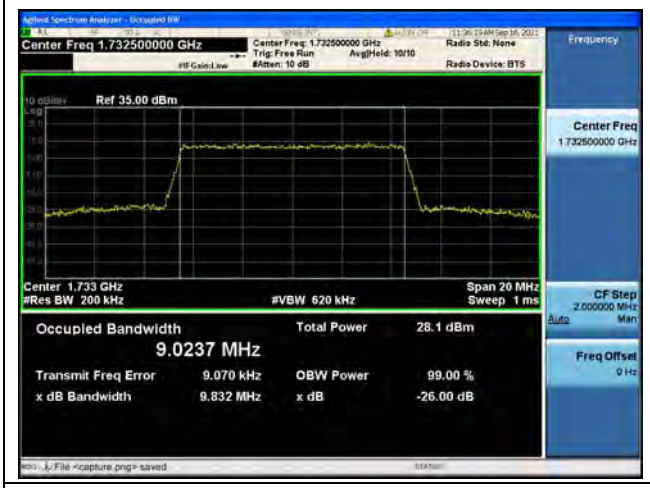
Band4 / 10MHz / Low CH / QPSK

Band4 / 10MHz / Low CH / 16QAM



Band4 / 10MHz / Low CH / 64QAM

Band4 / 10MHz / Mid CH / QPSK



Band4 / 10MHz / Mid CH / 16QAM

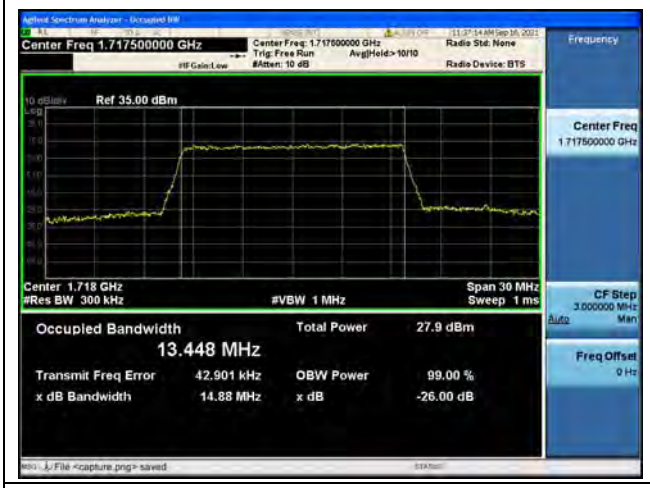
Band4 / 10MHz / Mid CH / 64QAM

Band4 / 10MHz / High CH / QPSK

Band4 / 10MHz / High CH / 16QAM

Band4 / 10MHz / High CH / 64QAM

Band4 / 15MHz / Low CH / QPSK

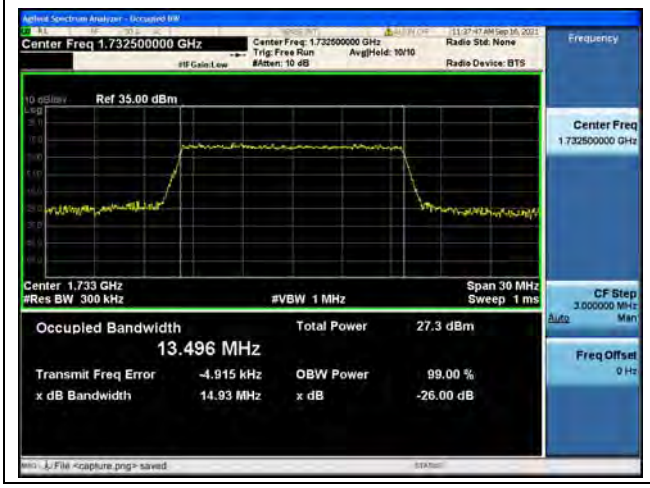


Band4 / 15MHz / Low CH / 16QAM

Band4 / 15MHz / Low CH / 64QAM

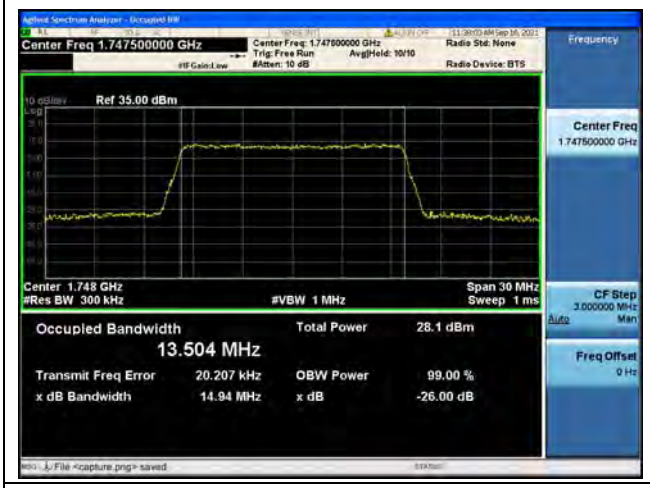
Band4 / 15MHz / Mid CH / QPSK

Band4 / 15MHz / Mid CH / 16QAM



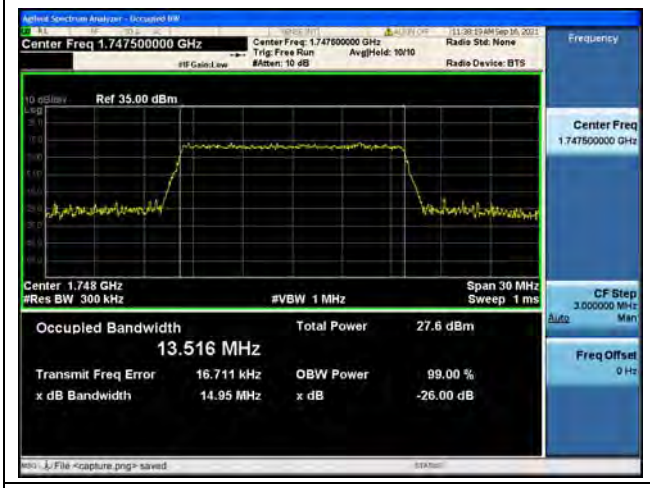
Band4 / 15MHz / Mid CH / 64QAM

Band4 / 15MHz / High CH / QPSK



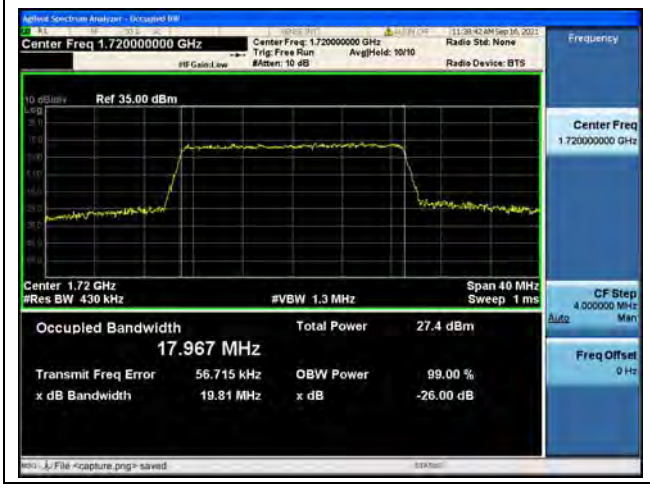
Band4 / 15MHz / High CH / 16QAM

Band4 / 15MHz / High CH / 64QAM



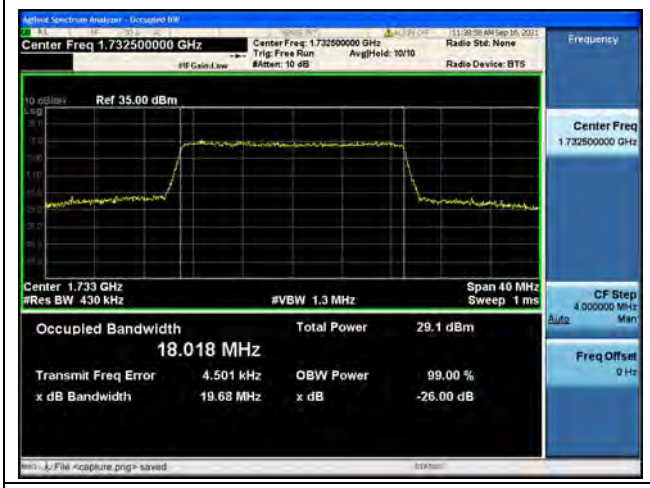
Band4 / 20MHz / Low CH / QPSK

Band4 / 20MHz / Low CH / 16QAM



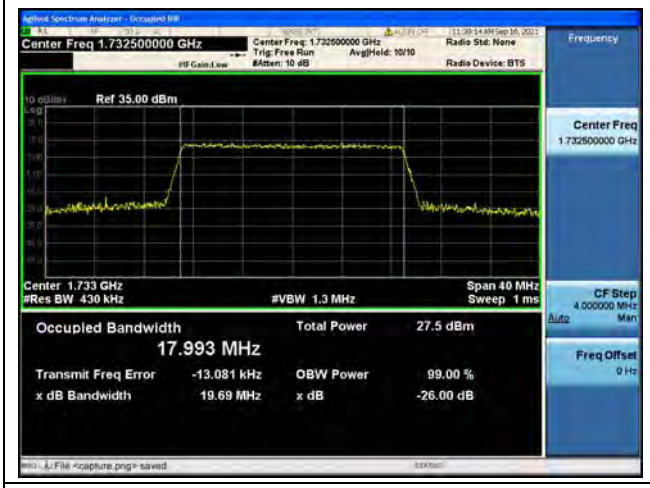
Band4 / 20MHz / Low CH / 64QAM

Band4 / 20MHz / Mid CH / QPSK



Band4 / 20MHz / Mid CH / 16QAM

Band4 / 20MHz / Mid CH / 64QAM

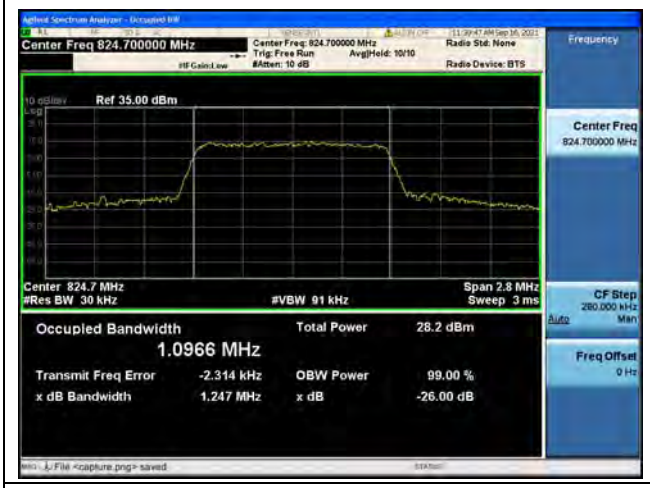


Band4 / 20MHz / High CH / QPSK

Band4 / 20MHz / High CH / 16QAM

Band4 / 20MHz / High CH / 64QAM

Band5 / 1.4MHz / Low CH / QPSK



Band5 / 1.4MHz / Low CH / 16QAM

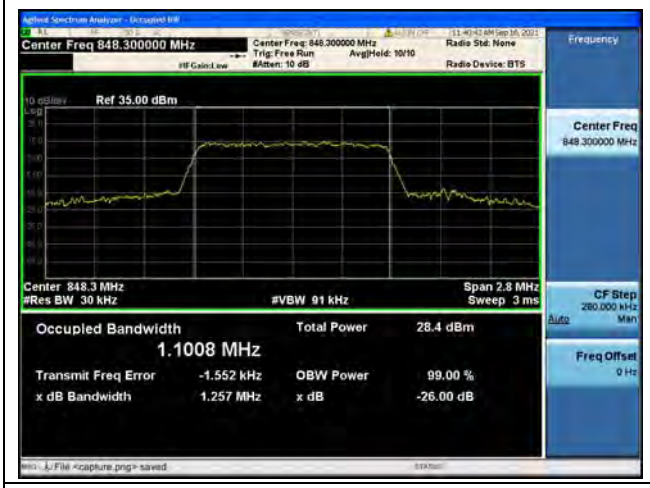
Band5 / 1.4MHz / Low CH / 64QAM

Band5 / 1.4MHz / Mid CH / QPSK

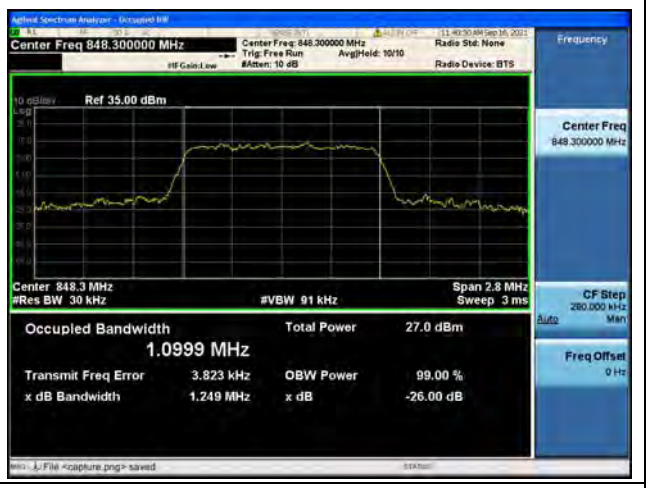
Band5 / 1.4MHz / Mid CH / 16QAM

Band5 / 1.4MHz / Mid CH / 64QAM

Band5 / 1.4MHz / High CH / QPSK

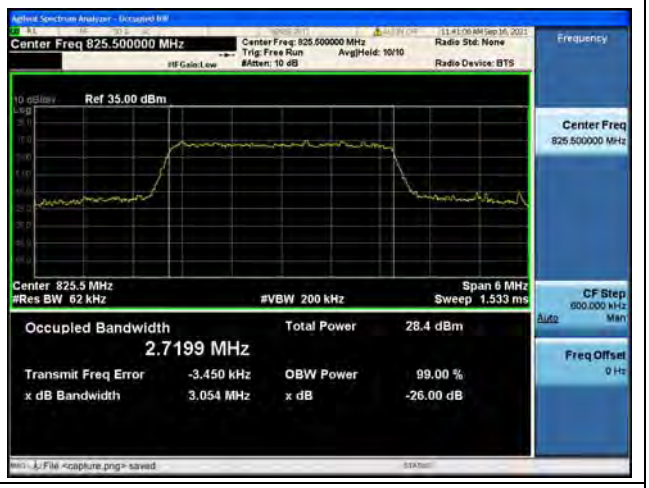


Band5 / 1.4MHz / High CH / 16QAM

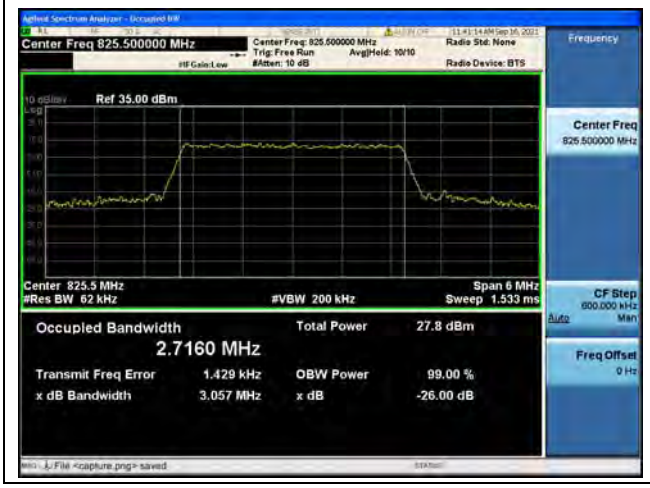


Band5 / 1.4MHz / High CH / 64QAM

Band5 / 3MHz / Low CH / QPSK

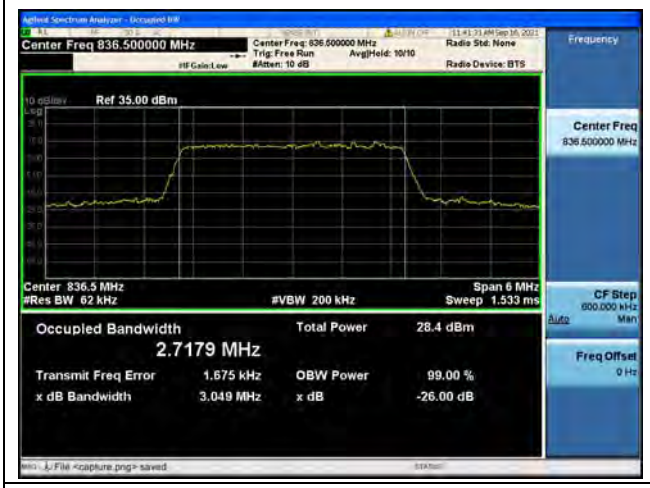


Band5 / 3MHz / Low CH / 16QAM

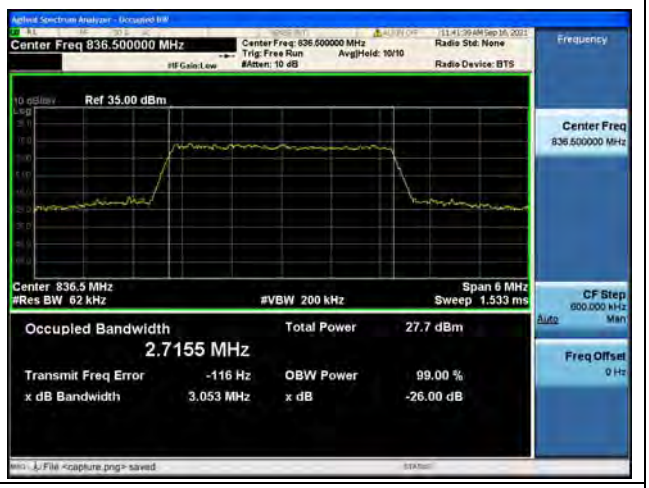


Band5 / 3MHz / Low CH / 64QAM

Band5 / 3MHz / Mid CH / QPSK



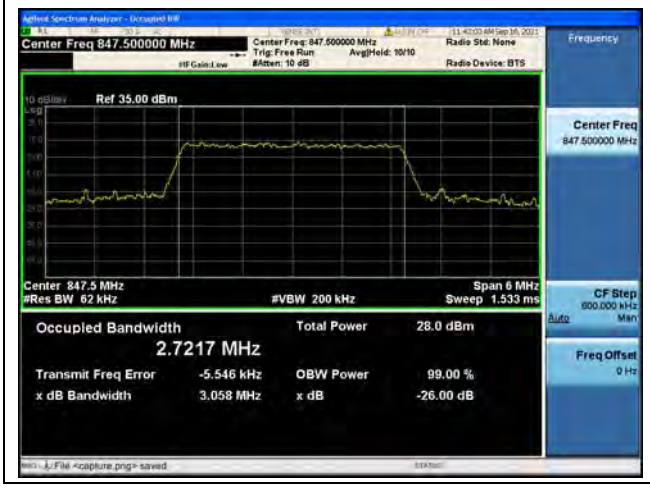
Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / Mid CH / 64QAM

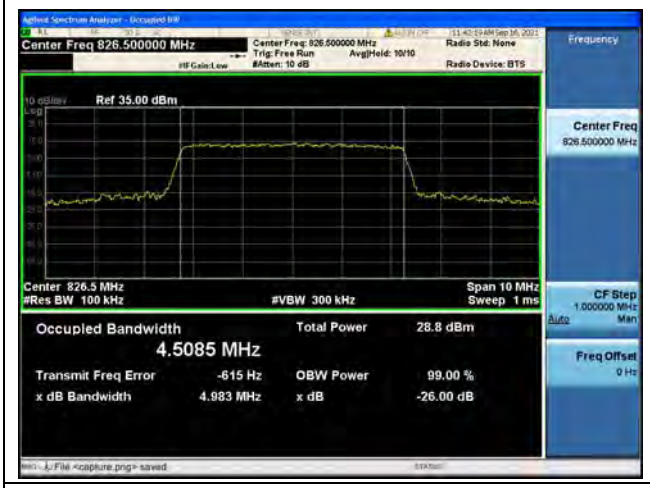
Band5 / 3MHz / High CH / QPSK

Band5 / 3MHz / High CH / 16QAM



Band5 / 3MHz / High CH / 64QAM

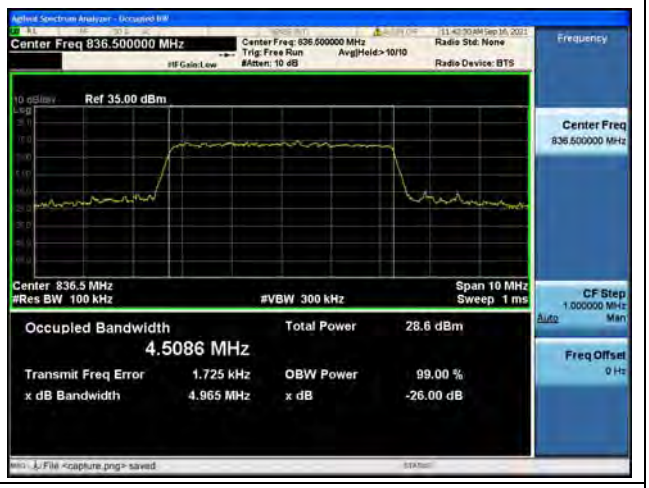
Band5 / 5MHz / Low CH / QPSK



Band5 / 5MHz / Low CH / 16QAM

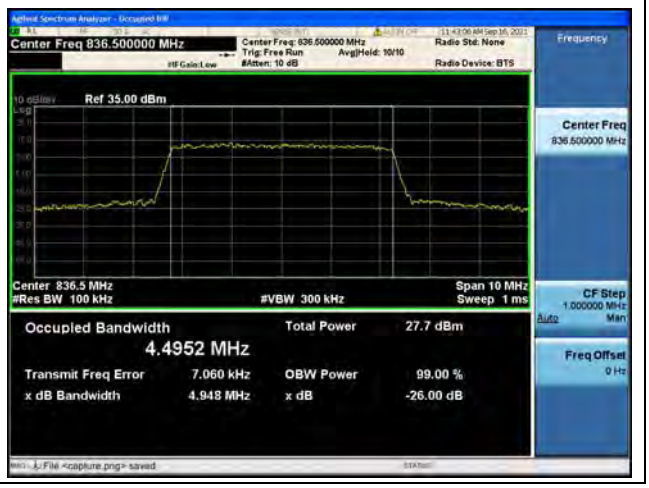
Band5 / 5MHz / Low CH / 64QAM

Band5 / 5MHz / Mid CH / QPSK

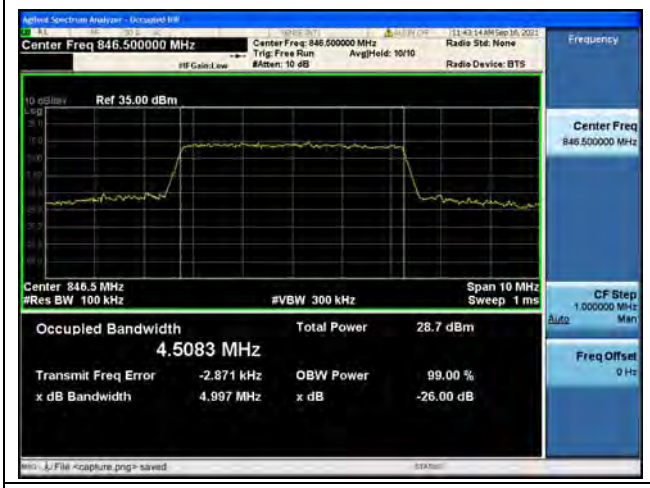


Band5 / 5MHz / Mid CH / 16QAM

Band5 / 5MHz / Mid CH / 64QAM



Band5 / 5MHz / High CH / QPSK



Band5 / 5MHz / High CH / 16QAM

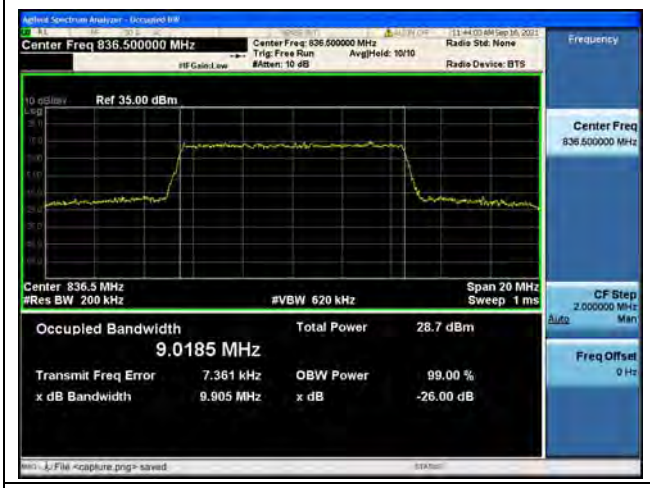
Band5 / 5MHz / High CH / 64QAM

Band5 / 10MHz / Low CH / QPSK

Band5 / 10MHz / Low CH / 16QAM

Band5 / 10MHz / Low CH / 64QAM

Band5 / 10MHz / Mid CH / QPSK



Band5 / 10MHz / Mid CH / 16QAM

Band5 / 10MHz / Mid CH / 64QAM

Band5 / 10MHz / High CH / QPSK

Band5 / 10MHz / High CH / 16QAM

Band5 / 10MHz / High CH / 64QAM

Band7 / 5MHz / Low CH / QPSK

Band7 / 5MHz / Low CH / 16QAM

Band7 / 5MHz / Low CH / 64QAM

Band7 / 5MHz / Mid CH / QPSK

Band7 / 5MHz / Mid CH / 16QAM

Band7 / 5MHz / Mid CH / 64QAM

Band7 / 5MHz / High CH / QPSK

Band7 / 5MHz / High CH / 16QAM

Band7 / 5MHz / High CH / 64QAM

Band7 / 10MHz / Low CH / QPSK

Band7 / 10MHz / Low CH / 16QAM

Band7 / 10MHz / Low CH / 64QAM

Band7 / 10MHz / Mid CH / QPSK

Band7 / 10MHz / Mid CH / 16QAM

Band7 / 10MHz / Mid CH / 64QAM

Band7 / 10MHz / High CH / QPSK

Band7 / 10MHz / High CH / 16QAM

Band7 / 10MHz / High CH / 64QAM

Band7 / 15MHz / Low CH / QPSK

Band7 / 15MHz / Low CH / 16QAM

Band7 / 15MHz / Low CH / 64QAM

Band7 / 15MHz / Mid CH / QPSK

Band7 / 15MHz / Mid CH / 16QAM

Band7 / 15MHz / Mid CH / 64QAM

Band7 / 15MHz / High CH / QPSK

Band7 / 15MHz / High CH / 16QAM

Band7 / 15MHz / High CH / 64QAM

Band7 / 20MHz / Low CH / QPSK

Band7 / 20MHz / Low CH / 16QAM

Band7 / 20MHz / Low CH / 64QAM

Band7 / 20MHz / Mid CH / QPSK

Band7 / 20MHz / Mid CH / 16QAM

Band7 / 20MHz / Mid CH / 64QAM

Band7 / 20MHz / High CH / QPSK

Band7 / 20MHz / High CH / 16QAM

Band7 / 20MHz / High CH / 64QAM

Band12 / 1.4MHz / Low CH / QPSK

Band12 / 1.4MHz / Low CH / 16QAM

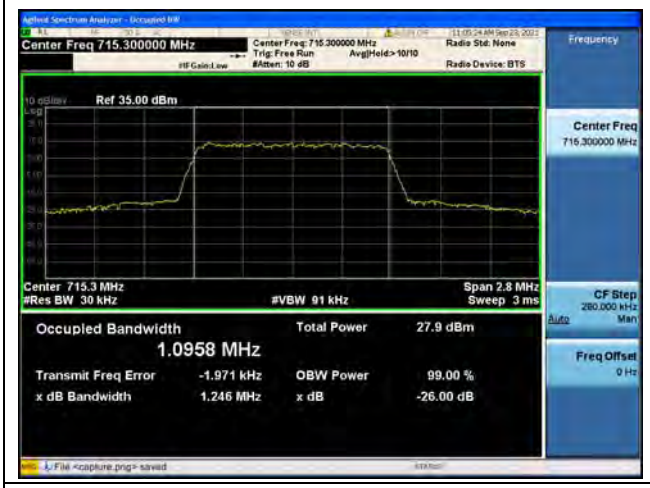
Band12 / 1.4MHz / Low CH / 64QAM

Band12 / 1.4MHz / Mid CH / QPSK

Band12 / 1.4MHz / Mid CH / 16QAM

Band12 / 1.4MHz / Mid CH / 64QAM

Band12 / 1.4MHz / High CH / QPSK



Band12 / 1.4MHz / High CH / 16QAM

Band12 / 1.4MHz / High CH / 64QAM

Band12 / 3MHz / Low CH / QPSK

Band12 / 3MHz / Low CH / 16QAM

Band12 / 3MHz / Low CH / 64QAM

Band12 / 3MHz / Mid CH / QPSK

Band12 / 3MHz / Mid CH / 16QAM

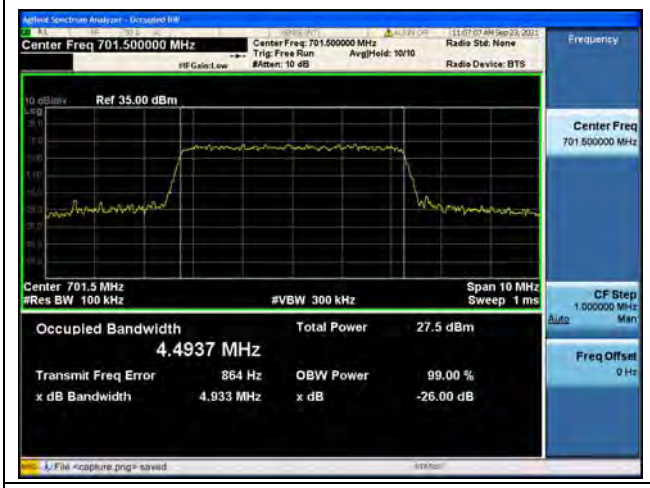
Band12 / 3MHz / Mid CH / 64QAM

Band12 / 3MHz / High CH / QPSK

Band12 / 3MHz / High CH / 16QAM

Band12 / 3MHz / High CH / 64QAM

Band12 / 5MHz / Low CH / QPSK



Band12 / 5MHz / Low CH / 16QAM

Band12 / 5MHz / Low CH / 64QAM

Band12 / 5MHz / Mid CH / QPSK

Band12 / 5MHz / Mid CH / 16QAM

Band12 / 5MHz / Mid CH / 64QAM

Band12 / 5MHz / High CH / QPSK

Band12 / 5MHz / High CH / 16QAM

Band12 / 5MHz / High CH / 64QAM

Band12 / 10MHz / Low CH / QPSK

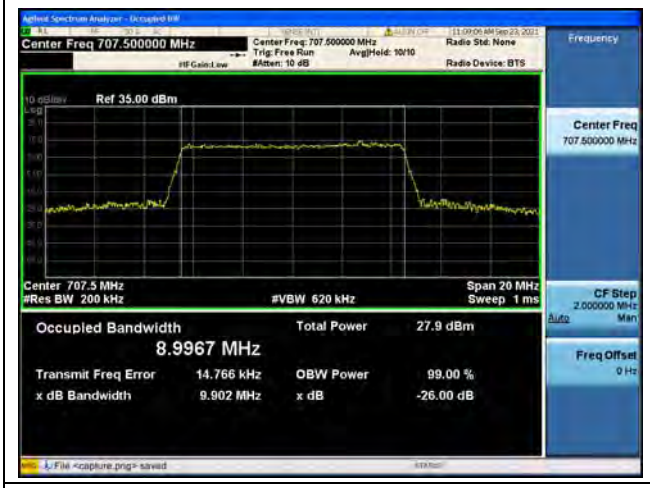
Band12 / 10MHz / Low CH / 16QAM

Band12 / 10MHz / Low CH / 64QAM

Band12 / 10MHz / Mid CH / QPSK

Band12 / 10MHz / Mid CH / 16QAM

Band12 / 10MHz / Mid CH / 64QAM



Band12 / 10MHz / High CH / QPSK

Band12 / 10MHz / High CH / 16QAM

Band12 / 10MHz / High CH / 64QAM

Band17 / 5MHz / Low CH / QPSK

Band17 / 5MHz / Low CH / 16QAM

Band17 / 5MHz / Low CH / 64QAM

Band17 / 5MHz / Mid CH / QPSK

Band17 / 5MHz / Mid CH / 16QAM

Band17 / 5MHz / Mid CH / 64QAM

Band17 / 5MHz / High CH / QPSK

Band17 / 5MHz / High CH / 16QAM

Band17 / 5MHz / High CH / 64QAM

Band17 / 10MHz / Low CH / QPSK

Band17 / 10MHz / Low CH / 16QAM

Band17 / 10MHz / Low CH / 64QAM

Band17 / 10MHz / Mid CH / QPSK

Band17 / 10MHz / Mid CH / 16QAM

Band17 / 10MHz / Mid CH / 64QAM

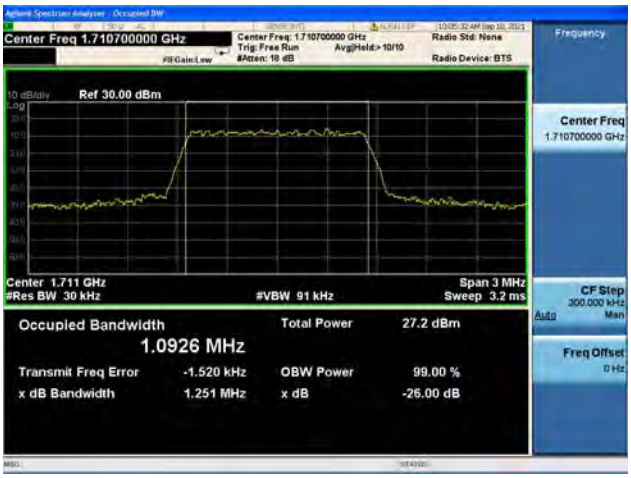
Band17 / 10MHz / High CH / QPSK

Band17 / 10MHz / High CH / 16QAM

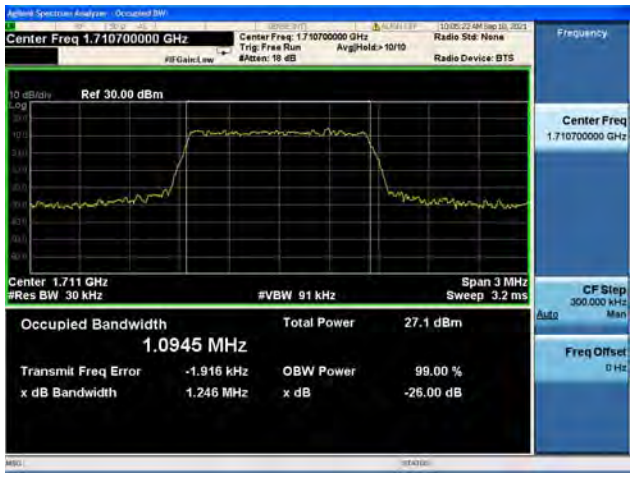
Band17 / 10MHz / High CH / 64QAM

Band66 / 1.4MHz / Low CH / QPSK

Band66 / 1.4MHz / Low CH / 16QAM

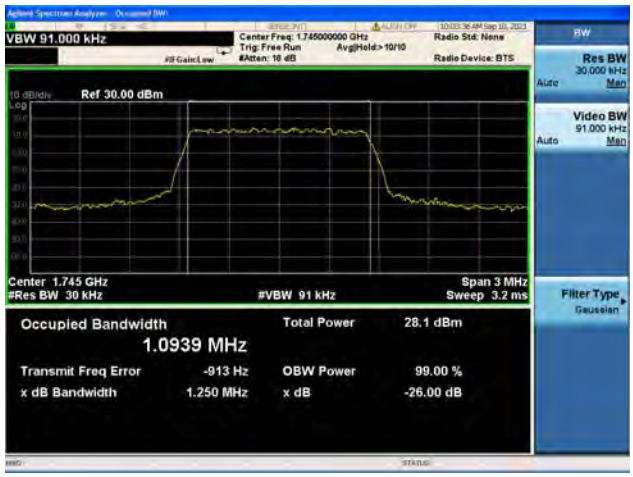


Band66 / 1.4MHz / Low CH / 64QAM



Band66 / 1.4MHz / Mid CH / QPSK

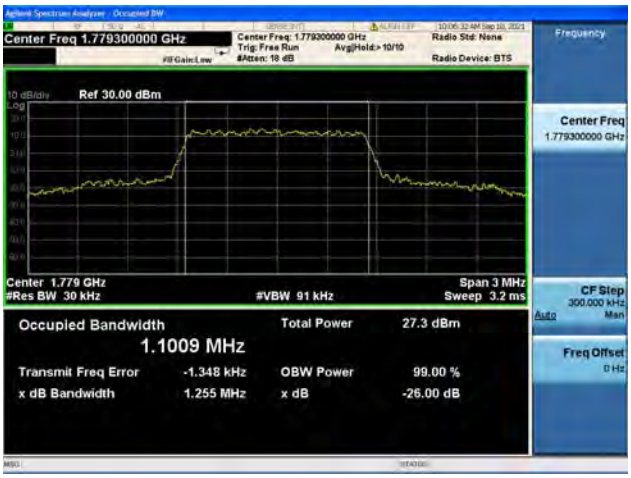
Band66 / 1.4MHz / Mid CH / 16QAM



Band66 / 1.4MHz / Mid CH / 64QAM

Band66 / 1.4MHz / High CH / QPSK

Band66 / 1.4MHz / High CH / 16QAM



Band66 / 1.4MHz / High CH / 64QAM

Band66 / 3MHz / Low CH / QPSK

Band66 / 3MHz / Low CH / 16QAM

Band66 / 3MHz / Low CH / 64QAM

Band66 / 3MHz / Mid CH / QPSK

Band66 / 3MHz / Mid CH / 16QAM

Band66 / 3MHz / Mid CH / 64QAM

Band66 / 3MHz / High CH / QPSK

Band66 / 3MHz / High CH / 16QAM

Band66 / 3MHz / High CH / 64QAM

Band66 / 5MHz / Low CH / QPSK

Band66 / 5MHz / Low CH / 16QAM

Band66 / 5MHz / Low CH / 64QAM

Band66 / 5MHz / Mid CH / QPSK

Band66 / 5MHz / Mid CH / 16QAM

Band66 / 5MHz / Mid CH / 64QAM

Band66 / 5MHz / High CH / QPSK

Band66 / 5MHz / High CH / 16QAM

Band66 / 5MHz / High CH / 64QAM

Band66 / 10MHz / Low CH / QPSK

Band66 / 10MHz / Low CH / 16QAM

Band66 / 10MHz / Low CH / 64QAM

Band66 / 10MHz / Mid CH / QPSK

Band66 / 10MHz / Mid CH / 16QAM

Band66 / 10MHz / Mid CH / 64QAM

Band66 / 10MHz / High CH / QPSK

Band66 / 10MHz / High CH / 16QAM

Band66 / 10MHz / High CH / 64QAM