



# TEST REPORT

**APPLICANT** : Realme Chongqing Mobile  
Telecommunications Corp., Ltd.

**PRODUCT NAME** : Mobile Phone

**MODEL NAME** : RMX3521

**BRAND NAME** : realme

**FCC ID** : 2AUYFRMX3521

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

**RECEIPT DATE** : 2022-01-07

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Change History		
Version	Date	Reason for change
1.0	2022-02-23	First edition



# 1. Technical Information

Note: Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	Realme Chongqing Mobile Telecommunications Corp., Ltd.
<b>Applicant Address:</b>	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China
<b>Manufacturer:</b>	Realme Chongqing Mobile Telecommunications Corp., Ltd.
<b>Manufacturer Address:</b>	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	Mobile Phone	
<b>Sample No.:</b>	10#	
<b>Hardware Version:</b>	11	
<b>Software Version:</b>	realme UI V3.0	
<b>Modulation Type:</b>	QPSK, 16QAM, 64QAM	
<b>Operation Band:</b>	Band 2 / 4 / 5 / 7 / 12 / 17 / 26 / 38 / 41 / 66	
<b>Frequency Range:</b>	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 26	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz



<b>Frequency Range:</b>	LTE Band 38	Tx: 2570MHz–2620MHz
		Rx: 2570MHz–2620MHz
	LTE Band 41	Tx: 2535MHz–2655MHz
		Rx: 2535MHz–2655MHz
	LTE Band 66	Tx: 1710MHz–1780MHz
		Rx: 2110MHz–2200MHz
<b>Channel Bandwidth:</b>	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 26	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
	LTE Band 38	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
<b>Antenna Type:</b>	PIFA Antenna	
<b>Antenna Gain:</b>	Top Antenna	
	LTE Band 2	-1.7dBi
	LTE Band 4	-2.1dBi
	LTE Band 5	-3.5dBi
	LTE Band 7	0.8dBi
	LTE Band 12	-4.8dBi
	LTE Band 17	-4.8dBi
	LTE Band 26	-3.5dBi
	LTE Band 38	0.8dBi
	LTE Band 41	0.8dBi
	LTE Band 66	-1.5dBi
	Bottom Antenna	
	LTE Band 2	-1.5dBi
	LTE Band 4	-1.2dBi
	LTE Band 5	-4.5dBi
	LTE Band 7	1.5dBi
	LTE Band 12	-3.7dBi
	LTE Band 17	-3.7dBi
	LTE Band 26	-4.5dBi



<b>Antenna Gain:</b>	LTE Band 38	1.0dBi
	LTE Band 41	1.3dBi
	LTE Band 66	-1.2dBi
<b>Accessory Information:</b>	Battery 1	
	Brand Name:	realme
	Model No.:	BLP883
	Serial No.:	N/A
	Capacity:	Typical: 5000mAh, Rated: 4880mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	SUNWODA Electronic Co., Ltd.
	Battery 2	
	Brand Name:	realme
	Model No.:	BLP883
	Serial No.:	N/A
	Capacity:	Typical: 5000mAh, Rated: 4880mAh
	Rated Voltage:	3.87V
	Charge Limit:	4.45V
	Manufacturer:	TWS Technology (Guangzhou) Limited
	AC Adapter 1	
	Brand Name:	realme
	Model No.:	VCB3HDUH
	Serial No.:	N/A
	Rated Output:	5V=2A or 11V=3A Max
	Rated Input:	100-240V~50/60Hz, 1.2A
	Manufacturer:	SHENZHEN HUNTKEY ELECTRIC CO LTD
	AC Adapter 2	
	Brand Name:	realme
	Model No.:	VCB3HDUH
	Serial No.:	N/A
Rated Output:	5V=2A or 11V=3A Max	
Rated Input:	100-240V~50/60Hz, 1.2A	
Manufacturer:	Huizhou Golden Lake Industrial Co.,Ltd.	



<b>Accessory Information:</b>	AC Adapter 3	
	Brand Name:	realme
	Model No.:	VCB3HDUH
	Serial No.:	N/A
	Rated Output:	5V $\overline{=}$ 2A or 11V $\overline{=}$ 3A Max
	Rated Input:	100-240V $\sim$ 50/60Hz, 1.2A
	Manufacturer:	Dongguan YOHO Electronic Technology Co., Ltd.
	USB Cable	
	Model No.:	DL143
	USB Cable	
	Model No.:	DL150
	Earphone	
	Model No.:	MH156
	Length:	1.2m

**Note 1:** SIM 1 and SIM 2 is a chipset unit and tested as a single chipset. The SIM 1 is chosen for test.

**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)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.121	0.106	0.083	0.127	0.111	0.087
15	0.119	0.101	0.082	0.125	0.106	0.086
10	0.119	0.110	0.080	0.124	0.115	0.084
5	0.117	0.106	0.082	0.123	0.111	0.086
3	0.118	0.108	0.082	0.124	0.113	0.086
1.4	0.117	0.095	0.094	0.122	0.100	0.098
LTE Band 4	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.111	0.096	0.075	0.137	0.118	0.093
15	0.110	0.091	0.075	0.135	0.112	0.092
10	0.109	0.092	0.076	0.134	0.113	0.093
5	0.108	0.092	0.075	0.133	0.113	0.092
3	0.110	0.094	0.071	0.136	0.116	0.087
1.4	0.109	0.094	0.087	0.135	0.116	0.107
LTE Band 5	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.061	0.050	0.040	0.048	0.040	0.032
5	0.060	0.052	0.040	0.048	0.041	0.031
3	0.060	0.051	0.040	0.048	0.041	0.031
1.4	0.060	0.052	0.039	0.048	0.041	0.031
LTE Band 7	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.216	0.174	0.132	0.254	0.205	0.155
15	0.212	0.186	0.132	0.249	0.218	0.155
10	0.208	0.182	0.136	0.244	0.213	0.159
5	0.208	0.169	0.133	0.245	0.199	0.156



LTE Band 12	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.046	0.037	0.030	0.059	0.048	0.038
5	0.045	0.037	0.029	0.058	0.047	0.038
3	0.045	0.039	0.029	0.058	0.050	0.037
1.4	0.045	0.038	0.028	0.058	0.049	0.036
LTE Band 17	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.045	0.038	0.030	0.058	0.049	0.038
5	0.044	0.042	0.030	0.057	0.054	0.038
LTE Band 26	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15	0.055	0.048	0.038	0.044	0.038	0.030
10	0.054	0.049	0.037	0.043	0.039	0.029
5	0.054	0.046	0.036	0.043	0.036	0.029
3	0.055	0.046	0.038	0.043	0.037	0.030
1.4	0.054	0.049	0.039	0.043	0.039	0.031
LTE Band 38	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.242	0.204	0.176	0.254	0.214	0.184
15	0.239	0.204	0.171	0.250	0.214	0.179
10	0.239	0.208	0.175	0.250	0.218	0.183
5	0.239	0.216	0.177	0.250	0.226	0.185
LTE Band 41	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.244	0.207	0.171	0.274	0.235	0.192
15	0.240	0.201	0.175	0.270	0.232	0.196
10	0.240	0.201	0.164	0.270	0.225	0.184
5	0.237	0.208	0.176	0.265	0.234	0.198





LTE Band 66	Maximum E.R.P./E.I.R.P. (W)					
	Top Antenna			Bottom Antenna		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.143	0.121	0.103	0.153	0.130	0.110
15	0.142	0.123	0.104	0.152	0.132	0.111
10	0.143	0.129	0.101	0.153	0.139	0.108
5	0.142	0.130	0.102	0.152	0.139	0.110
3	0.140	0.124	0.102	0.150	0.133	0.109
1.4	0.141	0.127	0.115	0.151	0.136	0.123



<b>LTE B2</b>		<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M10G7D	1M10W7D	1M10W7D	
3	2M69G7D	2M70W7D	2M70W7D	
5	4M49G7D	4M49W7D	4M50W7D	
10	8M99G7D	8M95W7D	8M99W7D	
15	13M4G7D	13M4W7D	13M4W7D	
20	17M9G7D	17M9W7D	17M9W7D	
<b>LTE B4</b>		<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M10G7D	1M10W7D	1M10W7D	
3	2M70G7D	2M70W7D	2M70W7D	
5	4M49G7D	4M49W7D	4M50W7D	
10	8M98G7D	8M95W7D	8M97W7D	
15	13M4G7D	13M4W7D	13M4W7D	
20	17M9G7D	17M9W7D	17M9W7D	
<b>LTE B5</b>		<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M10G7D	1M10W7D	1M10W7D	
3	2M70G7D	2M70W7D	2M70W7D	
5	4M49G7D	4M48W7D	4M49W7D	
10	8M99G7D	8M95W7D	8M97W7D	
<b>LTE B7</b>		<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	
5	4M49G7D	4M49W7D	4M49W7D	
10	8M98G7D	8M95W7D	8M97W7D	
15	13M4G7D	13M4W7D	13M4W7D	
20	17M9G7D	17M9W7D	17M9W7D	
<b>LTE B12</b>		<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	
1.4	1M10G7D	1M10W7D	1M10W7D	
3	2M70G7D	2M70W7D	2M70W7D	
5	4M49G7D	4M49W7D	4M50W7D	
10	8M98G7D	8M97W7D	8M97W7D	



<b>LTE B17</b>		<b>Emission Designator (99%OBW)</b>		
BW(MHz)		QPSK	16QAM	64QAM
5		4M49G7D	4M49W7D	4M50W7D
10		8M98G7D	8M97W7D	9M00W7D
<b>LTE B26</b>		<b>Emission Designator (99%OBW)</b>		
BW(MHz)		QPSK	16QAM	64QAM
1.4		1M10G7D	1M10W7D	1M10W7D
3		2M70G7D	2M70W7D	2M70W7D
5		4M49G7D	4M49W7D	4M50W7D
10		8M98G7D	8M94W7D	8M98W7D
15		13M5G7D	13M4W7D	13M4W7D
<b>LTE B38</b>		<b>Emission Designator (99%OBW)</b>		
BW(MHz)		QPSK	16QAM	64QAM
5		4M49G7D	4M49W7D	4M49W7D
10		8M96G7D	8M95W7D	8M96W7D
15		13M5G7D	13M5W7D	13M4W7D
20		17M9G7D	17M9W7D	17M9W7D
<b>LTE B41</b>		<b>Emission Designator (99%OBW)</b>		
BW(MHz)		QPSK	16QAM	64QAM
5		4M48G7D	4M47W7D	4M49W7D
10		8M94G7D	9M00W7D	8M98W7D
15		13M4G7D	13M4W7D	13M4W7D
20		17M9G7D	17M9W7D	17M9W7D
<b>LTE B66</b>		<b>Emission Designator (99%OBW)</b>		
BW(MHz)		QPSK	16QAM	64QAM
1.4		1M10G7D	1M10W7D	1M10W7D
3		2M70G7D	2M70W7D	2M70W7D
5		4M49G7D	4M49W7D	4M50W7D
10		8M99G7D	8M95W7D	8M96W7D
15		13M4G7D	13M4W7D	13M4W7D
20		17M9G7D	17M9W7D	17M9W7D



## 1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(a)(3) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Jan 13, 2022	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Jan 12&18, 2022	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Jan 05, 2022	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Jan 12, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Jan 17&18, 2022	Li Huaijie	PASS	No deviation
2.1051 22.917(a)	Band Edge	Jan 12&18, 2022	Li Huaijie	PASS	No deviation



24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)					
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Feb 10&11, 2022	Su Zhan	PASS	No deviation

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

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

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

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

## 1.5. Environmental Conditions

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

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



## **2.47 CFR Part 2, Part 22H, Part 24E, Part 27 H&L&M Requirements**

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

#### **2.1.1. Requirement**

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

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

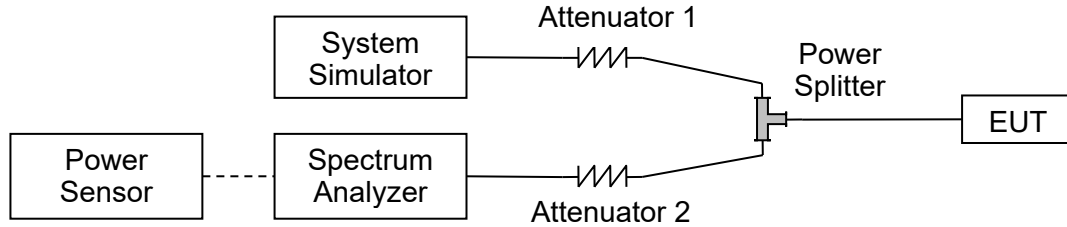
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

According to FCC section22.913 (a)(2) for LTE Band 5/26, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

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

According to FCC section 27.50 (c)(10) for LTE Band 12/17, 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.

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

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



2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	22.50	22.53	22.47
20	QPSK	1	49	22.48	22.42	22.35
20	QPSK	1	99	22.42	22.38	22.36
20	QPSK	50	0	21.58	21.67	21.60
20	QPSK	50	24	21.59	21.64	21.64
20	QPSK	50	50	21.64	21.60	21.66
20	QPSK	100	0	21.57	21.66	21.62
20	16QAM	1	0	21.63	21.63	21.65
20	16QAM	1	49	21.47	21.77	21.73
20	16QAM	1	99	21.72	21.57	21.97
20	16QAM	50	0	21.65	21.62	21.60
20	16QAM	50	24	21.61	21.66	21.67
20	16QAM	50	50	21.69	21.66	21.73
20	16QAM	100	0	21.72	21.73	21.60
20	64QAM	1	0	20.67	20.86	20.60
20	64QAM	1	49	20.62	20.80	20.71
20	64QAM	1	99	20.57	20.90	20.90
20	64QAM	50	0	20.67	20.59	20.64
20	64QAM	50	24	20.70	20.64	20.69
20	64QAM	50	50	20.69	20.70	20.64
20	64QAM	100	0	20.57	20.54	20.55





LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.31	22.34	22.25
15	QPSK	1	37	22.10	22.46	22.34
15	QPSK	1	74	22.47	22.39	22.47
15	QPSK	36	0	21.44	21.53	21.52
15	QPSK	36	20	21.43	21.62	21.59
15	QPSK	36	39	21.55	21.56	21.53
15	QPSK	75	0	21.47	21.53	21.49
15	16QAM	1	0	21.56	21.64	21.58
15	16QAM	1	37	21.69	21.72	21.58
15	16QAM	1	74	21.64	21.76	21.76
15	16QAM	36	0	21.43	21.48	21.51
15	16QAM	36	20	21.52	21.45	21.58
15	16QAM	36	39	21.57	21.66	21.63
15	16QAM	75	0	21.44	21.46	21.55
15	64QAM	1	0	20.64	20.40	20.46
15	64QAM	1	37	20.63	20.44	20.86
15	64QAM	1	74	20.52	20.56	20.71
15	64QAM	36	0	20.37	20.54	20.42
15	64QAM	36	20	20.57	20.59	20.49
15	64QAM	36	39	20.45	20.50	20.59
15	64QAM	75	0	20.44	20.51	20.50



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.35	22.34	22.44
10	QPSK	1	25	22.39	22.42	22.37
10	QPSK	1	49	22.35	22.36	22.35
10	QPSK	25	0	21.62	21.63	21.59
10	QPSK	25	12	21.58	21.70	21.63
10	QPSK	25	25	21.49	21.62	21.58
10	QPSK	50	0	21.55	21.64	21.62
10	16QAM	1	0	22.03	21.96	21.95
10	16QAM	1	25	21.72	21.68	21.75
10	16QAM	1	49	21.67	21.75	21.54
10	16QAM	25	0	21.57	21.56	21.53
10	16QAM	25	12	21.73	21.53	21.53
10	16QAM	25	25	21.53	21.73	21.83
10	16QAM	50	0	22.10	22.03	22.07
10	64QAM	1	0	20.61	20.66	20.66
10	64QAM	1	25	20.64	20.69	20.73
10	64QAM	1	49	20.31	20.44	20.41
10	64QAM	25	0	20.61	20.65	20.66
10	64QAM	25	12	20.64	20.62	20.63
10	64QAM	25	25	20.57	20.35	20.57
10	64QAM	50	0	20.58	20.58	20.55



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.35	22.40	22.34
5	QPSK	1	12	22.34	22.29	22.32
5	QPSK	1	24	22.30	22.38	22.39
5	QPSK	12	0	21.47	21.38	21.45
5	QPSK	12	7	21.48	21.53	21.45
5	QPSK	12	13	21.47	21.46	21.49
5	QPSK	25	0	21.46	21.44	21.46
5	16QAM	1	0	21.59	21.49	21.87
5	16QAM	1	12	21.57	21.50	21.87
5	16QAM	1	24	21.60	21.47	21.86
5	16QAM	12	0	21.69	21.83	21.69
5	16QAM	12	7	21.59	21.59	21.39
5	16QAM	12	13	21.39	21.72	21.49
5	16QAM	25	0	21.49	21.95	21.93
5	64QAM	1	0	20.69	20.41	20.46
5	64QAM	1	12	20.85	20.51	20.62
5	64QAM	1	24	20.86	20.50	20.52
5	64QAM	12	0	20.51	20.44	20.43
5	64QAM	12	7	20.57	20.41	20.41
5	64QAM	12	13	20.54	20.50	20.48
5	64QAM	25	0	20.61	20.41	20.48



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.29	22.36	22.28
3	QPSK	1	8	22.39	22.42	22.25
3	QPSK	1	14	22.40	22.27	22.27
3	QPSK	8	0	21.35	21.30	21.32
3	QPSK	8	4	21.41	21.35	21.36
3	QPSK	8	7	21.41	21.35	21.31
3	QPSK	15	0	21.33	21.41	21.34
3	16QAM	1	0	21.49	21.40	21.34
3	16QAM	1	8	21.53	21.47	21.43
3	16QAM	1	14	21.46	21.43	21.31
3	16QAM	8	0	21.89	22.02	21.94
3	16QAM	8	4	21.96	21.93	21.99
3	16QAM	8	7	21.86	21.91	21.94
3	16QAM	15	0	21.89	21.93	21.88
3	64QAM	1	0	20.42	20.35	20.38
3	64QAM	1	8	20.84	20.83	20.43
3	64QAM	1	14	20.45	20.81	20.45
3	64QAM	8	0	20.37	20.39	20.23
3	64QAM	8	4	20.47	20.37	20.37
3	64QAM	8	7	20.57	20.46	20.32
3	64QAM	15	0	20.42	20.42	20.40



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.35	22.38	22.33
1.4	QPSK	1	3	22.25	22.23	22.22
1.4	QPSK	1	5	22.22	22.20	22.18
1.4	QPSK	3	0	22.22	22.22	22.18
1.4	QPSK	3	1	22.26	22.23	22.21
1.4	QPSK	3	3	22.28	22.32	22.21
1.4	QPSK	6	0	21.31	21.29	21.28
1.4	16QAM	1	0	21.34	21.34	21.28
1.4	16QAM	1	3	21.30	21.50	21.48
1.4	16QAM	1	5	21.18	21.38	21.06
1.4	16QAM	3	0	21.20	21.25	21.22
1.4	16QAM	3	1	21.38	21.20	21.25
1.4	16QAM	3	3	21.40	21.37	21.11
1.4	16QAM	6	0	21.41	21.34	21.29
1.4	64QAM	1	0	20.29	20.21	20.24
1.4	64QAM	1	3	20.31	20.52	20.40
1.4	64QAM	1	5	20.29	20.64	20.23
1.4	64QAM	3	0	20.32	20.38	20.39
1.4	64QAM	3	1	20.41	20.38	20.59
1.4	64QAM	3	3	20.33	20.47	20.24
1.4	64QAM	6	0	20.38	20.41	20.30



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	22.48	22.56	22.55
20	QPSK	1	49	22.34	22.42	22.41
20	QPSK	1	99	22.26	22.39	22.51
20	QPSK	50	0	21.64	21.68	21.65
20	QPSK	50	24	21.55	21.63	21.63
20	QPSK	50	50	21.44	21.55	21.56
20	QPSK	100	0	21.54	21.58	21.65
20	16QAM	1	0	21.41	21.71	21.58
20	16QAM	1	49	21.56	21.33	21.47
20	16QAM	1	99	21.35	21.57	21.41
20	16QAM	50	0	21.54	21.47	21.61
20	16QAM	50	24	21.80	21.91	21.80
20	16QAM	50	50	21.76	21.77	21.77
20	16QAM	100	0	21.78	21.86	21.87
20	64QAM	1	0	20.52	20.63	20.85
20	64QAM	1	49	20.56	20.49	20.37
20	64QAM	1	99	20.83	20.40	20.87
20	64QAM	50	0	20.53	20.62	20.57
20	64QAM	50	24	20.55	20.66	20.60
20	64QAM	50	50	20.59	20.54	20.56
20	64QAM	100	0	20.62	20.60	20.69



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.35	22.39	22.49
15	QPSK	1	37	22.39	22.48	22.40
15	QPSK	1	74	22.26	22.48	22.51
15	QPSK	36	0	21.49	21.56	21.59
15	QPSK	36	20	21.53	21.66	21.62
15	QPSK	36	39	21.58	21.57	21.66
15	QPSK	75	0	21.53	21.55	21.56
15	16QAM	1	0	21.47	21.69	21.41
15	16QAM	1	37	21.55	21.55	21.39
15	16QAM	1	74	21.41	21.71	21.50
15	16QAM	36	0	21.42	21.44	21.63
15	16QAM	36	20	21.37	21.44	21.50
15	16QAM	36	39	21.33	21.42	21.48
15	16QAM	75	0	21.44	21.45	21.54
15	64QAM	1	0	20.39	20.70	20.75
15	64QAM	1	37	20.81	20.57	20.63
15	64QAM	1	74	20.85	20.56	20.60
15	64QAM	36	0	20.50	20.57	20.61
15	64QAM	36	20	20.56	20.58	20.60
15	64QAM	36	39	20.59	20.55	20.57
15	64QAM	75	0	20.52	20.63	20.56



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	22.47	22.46	22.29
10	QPSK	1	25	22.45	22.38	22.39
10	QPSK	1	49	22.33	22.16	22.39
10	QPSK	25	0	21.32	21.54	21.56
10	QPSK	25	12	21.44	21.50	21.54
10	QPSK	25	25	21.33	21.44	21.51
10	QPSK	50	0	21.39	21.49	21.41
10	16QAM	1	0	21.38	21.53	21.29
10	16QAM	1	25	21.65	21.39	21.71
10	16QAM	1	49	21.72	21.62	21.61
10	16QAM	25	0	21.38	21.37	21.36
10	16QAM	25	12	21.30	21.40	21.37
10	16QAM	25	25	21.64	21.55	21.64
10	16QAM	50	0	21.58	21.62	21.74
10	64QAM	1	0	20.44	20.52	20.42
10	64QAM	1	25	20.51	20.80	20.89
10	64QAM	1	49	20.49	20.53	20.48
10	64QAM	25	0	20.33	20.47	20.46
10	64QAM	25	12	20.42	20.53	20.57
10	64QAM	25	25	20.30	20.42	20.44
10	64QAM	50	0	20.36	20.43	20.42





LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.44	22.39	22.44
5	QPSK	1	12	22.43	22.38	22.35
5	QPSK	1	24	22.18	22.30	22.29
5	QPSK	12	0	21.40	21.40	21.44
5	QPSK	12	7	21.40	21.51	21.48
5	QPSK	12	13	21.35	21.52	21.44
5	QPSK	25	0	21.38	21.42	21.48
5	16QAM	1	0	21.28	21.69	21.37
5	16QAM	1	12	21.39	21.74	21.33
5	16QAM	1	24	21.33	21.68	21.28
5	16QAM	12	0	21.32	21.26	21.29
5	16QAM	12	7	21.35	21.39	21.37
5	16QAM	12	13	21.62	21.69	21.73
5	16QAM	25	0	21.63	21.74	21.67
5	64QAM	1	0	20.40	20.84	20.82
5	64QAM	1	12	20.78	20.54	20.81
5	64QAM	1	24	20.74	20.44	20.51
5	64QAM	12	0	20.41	20.48	20.50
5	64QAM	12	7	20.40	20.49	20.55
5	64QAM	12	13	20.41	20.47	20.46
5	64QAM	25	0	20.36	20.50	20.41



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	22.29	22.30	22.42
3	QPSK	1	8	22.38	22.52	22.46
3	QPSK	1	14	22.18	22.37	22.37
3	QPSK	8	0	21.38	21.44	21.45
3	QPSK	8	4	21.44	21.52	21.54
3	QPSK	8	7	21.40	21.50	21.50
3	QPSK	15	0	21.40	21.46	21.40
3	16QAM	1	0	21.48	21.57	21.61
3	16QAM	1	8	21.70	21.70	21.44
3	16QAM	1	14	21.61	21.39	21.47
3	16QAM	8	0	21.40	21.41	21.50
3	16QAM	8	4	21.50	21.50	21.51
3	16QAM	8	7	21.72	21.80	21.84
3	16QAM	15	0	21.72	21.70	21.77
3	64QAM	1	0	20.39	20.48	20.46
3	64QAM	1	8	20.58	20.46	20.62
3	64QAM	1	14	20.39	20.46	20.29
3	64QAM	8	0	20.37	20.41	20.35
3	64QAM	8	4	20.49	20.47	20.51
3	64QAM	8	7	20.43	20.50	20.62
3	64QAM	15	0	20.39	20.47	20.38



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.44	22.49	22.47
1.4	QPSK	1	3	22.38	22.38	22.42
1.4	QPSK	1	5	22.24	22.33	22.35
1.4	QPSK	3	0	22.32	22.29	22.28
1.4	QPSK	3	1	22.28	22.38	22.43
1.4	QPSK	3	3	22.27	22.34	22.33
1.4	QPSK	6	0	21.43	21.45	21.41
1.4	16QAM	1	0	21.37	21.84	21.50
1.4	16QAM	1	3	21.50	21.58	21.62
1.4	16QAM	1	5	21.56	21.72	21.52
1.4	16QAM	3	0	21.59	21.63	21.54
1.4	16QAM	3	1	21.60	21.63	21.65
1.4	16QAM	3	3	21.59	21.71	21.60
1.4	16QAM	6	0	21.50	21.51	21.42
1.4	64QAM	1	0	20.28	20.22	20.36
1.4	64QAM	1	3	20.54	20.52	20.64
1.4	64QAM	1	5	20.45	20.41	20.25
1.4	64QAM	3	0	20.36	20.34	20.53
1.4	64QAM	3	1	20.27	20.42	20.39
1.4	64QAM	3	3	20.33	20.50	20.38
1.4	64QAM	6	0	20.32	20.33	20.40



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	23.47	23.48	23.40
10	QPSK	1	25	23.33	23.36	23.16
10	QPSK	1	49	23.25	23.37	23.05
10	QPSK	25	0	22.56	22.58	22.39
10	QPSK	25	12	22.32	22.34	22.39
10	QPSK	25	25	22.32	22.43	22.48
10	QPSK	50	0	22.38	22.26	22.40
10	16QAM	1	0	22.42	22.61	22.32
10	16QAM	1	25	22.65	22.68	22.36
10	16QAM	1	49	22.48	22.54	22.61
10	16QAM	25	0	22.57	22.58	22.40
10	16QAM	25	12	22.51	22.59	22.37
10	16QAM	25	25	22.54	22.47	22.50
10	16QAM	50	0	22.55	22.46	22.36
10	64QAM	1	0	21.51	21.61	21.49
10	64QAM	1	25	21.48	21.68	21.48
10	64QAM	1	49	21.37	21.59	21.50
10	64QAM	25	0	21.48	21.59	21.26
10	64QAM	25	12	21.47	21.64	21.35
10	64QAM	25	25	21.59	21.48	21.18
10	64QAM	50	0	21.55	21.51	21.37



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				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	23.42	23.38	23.36
5	QPSK	1	12	23.32	23.43	23.27
5	QPSK	1	24	23.32	23.27	23.27
5	QPSK	12	0	22.47	22.52	22.38
5	QPSK	12	7	22.54	22.55	22.47
5	QPSK	12	13	22.59	22.43	22.38
5	QPSK	25	0	22.50	22.46	22.38
5	16QAM	1	0	22.79	22.72	22.48
5	16QAM	1	12	22.49	22.71	22.47
5	16QAM	1	24	22.36	22.71	22.54
5	16QAM	12	0	22.45	22.54	22.53
5	16QAM	12	7	22.52	22.55	22.37
5	16QAM	12	13	22.52	22.43	22.48
5	16QAM	25	0	22.53	22.58	22.53
5	64QAM	1	0	21.60	21.48	21.59
5	64QAM	1	12	21.48	21.42	21.56
5	64QAM	1	24	21.62	21.46	21.40
5	64QAM	12	0	21.34	21.48	21.28
5	64QAM	12	7	21.38	21.54	21.32
5	64QAM	12	13	21.56	21.51	21.08
5	64QAM	25	0	21.44	21.51	21.12



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	23.41	23.42	23.27
3	QPSK	1	8	23.37	23.38	23.29
3	QPSK	1	14	23.38	23.36	23.10
3	QPSK	8	0	22.40	22.53	22.51
3	QPSK	8	4	22.54	22.60	22.57
3	QPSK	8	7	22.49	22.51	22.38
3	QPSK	15	0	22.47	22.53	22.52
3	16QAM	1	0	22.49	22.60	22.67
3	16QAM	1	8	22.42	22.68	22.52
3	16QAM	1	14	22.47	22.73	22.48
3	16QAM	8	0	22.43	22.52	22.26
3	16QAM	8	4	22.59	22.70	22.27
3	16QAM	8	7	22.51	22.57	22.31
3	16QAM	15	0	22.45	22.47	22.02
3	64QAM	1	0	21.40	21.28	21.49
3	64QAM	1	8	21.28	21.52	21.28
3	64QAM	1	14	21.30	21.48	21.29
3	64QAM	8	0	21.40	21.50	21.48
3	64QAM	8	4	21.62	21.46	21.40
3	64QAM	8	7	21.57	21.49	21.46
3	64QAM	15	0	21.46	21.56	21.36



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	23.42	23.39	23.43
1.4	QPSK	1	3	23.45	23.38	23.45
1.4	QPSK	1	5	23.34	23.28	23.29
1.4	QPSK	3	0	23.35	23.41	23.37
1.4	QPSK	3	1	23.41	23.28	23.38
1.4	QPSK	3	3	23.42	23.34	23.34
1.4	QPSK	6	0	22.45	22.44	22.43
1.4	16QAM	1	0	22.58	22.39	22.56
1.4	16QAM	1	3	22.38	22.62	22.51
1.4	16QAM	1	5	22.77	22.45	22.51
1.4	16QAM	3	0	22.30	22.28	22.42
1.4	16QAM	3	1	22.33	22.60	22.46
1.4	16QAM	3	3	22.41	22.52	22.40
1.4	16QAM	6	0	22.60	22.47	22.51
1.4	64QAM	1	0	21.13	21.30	21.32
1.4	64QAM	1	3	21.44	21.45	21.40
1.4	64QAM	1	5	21.39	21.38	21.26
1.4	64QAM	3	0	21.05	21.32	21.33
1.4	64QAM	3	1	21.33	21.27	21.28
1.4	64QAM	3	3	21.23	21.40	21.44
1.4	64QAM	6	0	21.44	21.56	21.45



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	22.53	22.54	22.46
20	QPSK	1	49	22.48	22.52	22.41
20	QPSK	1	99	22.43	22.38	22.43
20	QPSK	50	0	21.59	21.66	21.63
20	QPSK	50	24	21.35	21.32	21.22
20	QPSK	50	50	21.45	21.48	21.45
20	QPSK	100	0	21.40	21.42	21.39
20	16QAM	1	0	21.21	21.31	21.49
20	16QAM	1	49	21.36	21.22	21.50
20	16QAM	1	99	21.30	21.61	21.26
20	16QAM	50	0	21.15	21.25	21.18
20	16QAM	50	24	21.20	21.12	21.23
20	16QAM	50	50	21.28	21.33	21.16
20	16QAM	100	0	21.16	21.28	21.26
20	64QAM	1	0	20.04	20.20	20.22
20	64QAM	1	49	20.32	20.29	20.34
20	64QAM	1	99	20.30	20.35	20.26
20	64QAM	50	0	20.24	20.25	20.30
20	64QAM	50	24	20.29	20.30	20.30
20	64QAM	50	50	20.33	20.40	20.25
20	64QAM	100	0	20.26	20.23	20.35





LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	22.36	22.45	22.45
15	QPSK	1	37	22.46	22.43	22.47
15	QPSK	1	74	22.40	22.47	22.47
15	QPSK	36	0	21.18	21.27	21.29
15	QPSK	36	20	21.26	21.33	21.28
15	QPSK	36	39	21.29	21.32	21.36
15	QPSK	75	0	21.35	21.28	21.30
15	16QAM	1	0	21.71	21.82	21.89
15	16QAM	1	37	21.53	21.64	21.62
15	16QAM	1	74	21.57	21.57	21.79
15	16QAM	36	0	21.16	21.27	21.29
15	16QAM	36	20	21.23	21.26	21.25
15	16QAM	36	39	21.29	21.27	21.16
15	16QAM	75	0	21.24	21.32	21.24
15	64QAM	1	0	20.14	20.11	19.99
15	64QAM	1	37	20.04	20.19	20.28
15	64QAM	1	74	20.03	20.15	20.21
15	64QAM	36	0	20.22	20.30	20.29
15	64QAM	36	20	20.33	20.32	20.39
15	64QAM	36	39	20.37	20.28	20.30
15	64QAM	75	0	20.22	20.32	20.27



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	22.35	22.22	22.25
10	QPSK	1	25	22.38	22.28	22.30
10	QPSK	1	49	22.31	22.28	22.30
10	QPSK	25	0	21.10	21.10	21.09
10	QPSK	25	12	21.06	21.18	21.23
10	QPSK	25	25	20.99	21.17	21.17
10	QPSK	50	0	21.08	21.20	21.19
10	16QAM	1	0	21.33	21.51	21.36
10	16QAM	1	25	21.32	21.34	21.39
10	16QAM	1	49	21.79	21.69	21.60
10	16QAM	25	0	21.22	21.10	21.18
10	16QAM	25	12	21.04	21.21	21.14
10	16QAM	25	25	21.09	21.12	21.04
10	16QAM	50	0	21.12	21.21	21.06
10	64QAM	1	0	20.14	20.10	20.08
10	64QAM	1	25	20.17	20.42	20.25
10	64QAM	1	49	20.28	20.52	20.33
10	64QAM	25	0	20.14	20.12	20.16
10	64QAM	25	12	20.16	20.27	20.20
10	64QAM	25	25	20.09	19.99	19.98
10	64QAM	50	0	20.03	20.09	20.01



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	22.39	22.30	22.20
5	QPSK	1	12	22.26	22.19	22.27
5	QPSK	1	24	22.20	22.26	22.30
5	QPSK	12	0	20.90	20.98	20.90
5	QPSK	12	7	20.97	21.12	21.04
5	QPSK	12	13	20.99	21.15	21.00
5	QPSK	25	0	21.00	21.01	20.96
5	16QAM	1	0	21.18	21.16	21.22
5	16QAM	1	12	21.23	21.45	21.35
5	16QAM	1	24	21.29	21.48	21.30
5	16QAM	12	0	21.20	21.26	21.17
5	16QAM	12	7	21.09	21.11	21.07
5	16QAM	12	13	21.09	21.15	21.28
5	16QAM	25	0	21.06	21.11	21.13
5	64QAM	1	0	20.24	20.29	20.25
5	64QAM	1	12	20.29	20.41	20.29
5	64QAM	1	24	20.33	20.43	20.39
5	64QAM	12	0	20.04	20.01	20.06
5	64QAM	12	7	20.13	20.18	19.97
5	64QAM	12	13	20.08	20.17	20.03
5	64QAM	25	0	20.03	20.02	20.07



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	23.42	23.58	23.47
10	QPSK	1	25	23.28	23.41	23.44
10	QPSK	1	49	23.38	23.39	23.38
10	QPSK	25	0	22.67	22.77	22.68
10	QPSK	25	12	22.64	22.58	22.37
10	QPSK	25	25	22.69	22.75	22.68
10	QPSK	50	0	22.70	22.72	22.63
10	16QAM	1	0	22.63	22.18	22.31
10	16QAM	1	25	22.38	22.33	22.47
10	16QAM	1	49	22.47	22.52	22.41
10	16QAM	25	0	22.36	22.38	22.32
10	16QAM	25	12	22.40	22.44	22.33
10	16QAM	25	25	22.45	22.46	22.40
10	16QAM	50	0	22.35	22.43	22.48
10	64QAM	1	0	21.20	21.32	21.66
10	64QAM	1	25	21.64	21.70	21.29
10	64QAM	1	49	21.66	21.34	21.27
10	64QAM	25	0	21.17	21.11	21.08
10	64QAM	25	12	21.22	21.25	21.17
10	64QAM	25	25	21.27	21.24	21.24
10	64QAM	50	0	21.19	21.12	21.23



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.17	23.50	23.28
5	QPSK	1	12	23.33	23.49	23.33
5	QPSK	1	24	23.29	23.48	23.34
5	QPSK	12	0	22.40	22.47	22.46
5	QPSK	12	7	22.51	22.53	22.50
5	QPSK	12	13	22.46	22.49	22.46
5	QPSK	25	0	22.42	22.54	22.50
5	16QAM	1	0	22.43	22.45	22.47
5	16QAM	1	12	22.60	22.55	22.56
5	16QAM	1	24	22.56	22.54	22.50
5	16QAM	12	0	22.30	22.27	22.30
5	16QAM	12	7	22.44	22.49	22.33
5	16QAM	12	13	22.39	22.36	22.41
5	16QAM	25	0	22.40	22.36	22.38
5	64QAM	1	0	21.18	21.19	21.24
5	64QAM	1	12	21.63	21.33	21.26
5	64QAM	1	24	21.61	21.30	21.35
5	64QAM	12	0	21.15	21.17	21.12
5	64QAM	12	7	21.25	21.13	21.19
5	64QAM	12	13	21.12	21.22	21.27
5	64QAM	25	0	21.27	21.23	21.20



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	23.25	23.52	23.19
3	QPSK	1	8	23.43	23.42	23.32
3	QPSK	1	14	23.37	23.48	23.43
3	QPSK	8	0	22.48	22.46	22.46
3	QPSK	8	4	22.51	22.54	22.55
3	QPSK	8	7	22.46	22.54	22.48
3	QPSK	15	0	22.45	22.53	22.39
3	16QAM	1	0	22.46	22.82	22.41
3	16QAM	1	8	22.66	22.64	22.59
3	16QAM	1	14	22.49	22.54	22.40
3	16QAM	8	0	22.46	22.35	22.38
3	16QAM	8	4	22.51	22.48	22.59
3	16QAM	8	7	22.35	22.38	22.44
3	16QAM	15	0	22.33	22.26	22.25
3	64QAM	1	0	21.19	21.53	21.52
3	64QAM	1	8	21.48	21.38	21.39
3	64QAM	1	14	21.41	21.26	21.37
3	64QAM	8	0	21.08	21.16	21.07
3	64QAM	8	4	21.17	21.21	21.20
3	64QAM	8	7	21.16	21.08	21.23
3	64QAM	15	0	21.15	21.17	21.09



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	23.28	23.45	23.25
1.4	QPSK	1	3	23.39	23.38	23.40
1.4	QPSK	1	5	23.28	23.33	23.29
1.4	QPSK	3	0	23.23	23.36	23.34
1.4	QPSK	3	1	23.44	23.44	23.11
1.4	QPSK	3	3	23.39	23.41	23.37
1.4	QPSK	6	0	22.45	22.42	22.40
1.4	16QAM	1	0	22.49	22.43	22.28
1.4	16QAM	1	3	22.30	22.73	22.40
1.4	16QAM	1	5	22.42	22.43	22.42
1.4	16QAM	3	0	22.26	22.29	22.30
1.4	16QAM	3	1	22.42	22.50	22.34
1.4	16QAM	3	3	22.25	22.39	22.39
1.4	16QAM	6	0	22.18	22.38	22.28
1.4	64QAM	1	0	21.03	21.18	21.02
1.4	64QAM	1	3	21.15	21.08	21.13
1.4	64QAM	1	5	21.31	21.34	21.30
1.4	64QAM	3	0	21.21	21.22	21.05
1.4	64QAM	3	1	21.19	21.43	21.28
1.4	64QAM	3	3	21.21	21.05	21.21
1.4	64QAM	6	0	21.17	21.18	21.05



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	23.48	23.51	23.48
10	QPSK	1	25	23.36	23.32	23.38
10	QPSK	1	49	23.29	23.32	23.27
10	QPSK	25	0	22.59	22.65	22.57
10	QPSK	25	12	22.44	22.38	22.52
10	QPSK	25	25	22.42	22.42	22.51
10	QPSK	50	0	22.55	22.42	22.43
10	16QAM	1	0	22.28	22.47	22.61
10	16QAM	1	25	22.49	22.78	22.62
10	16QAM	1	49	22.45	22.70	22.75
10	16QAM	25	0	22.39	22.63	22.62
10	16QAM	25	12	22.45	22.60	22.58
10	16QAM	25	25	22.28	22.54	22.59
10	16QAM	50	0	22.32	22.61	22.58
10	64QAM	1	0	21.29	21.62	21.30
10	64QAM	1	25	21.52	21.42	21.32
10	64QAM	1	49	21.26	21.29	21.29
10	64QAM	25	0	21.44	21.61	21.59
10	64QAM	25	12	21.36	21.44	21.61
10	64QAM	25	25	21.30	21.51	21.67
10	64QAM	50	0	21.37	21.60	21.61





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	23.42	23.38	23.34
5	QPSK	1	12	23.41	23.37	23.36
5	QPSK	1	24	23.33	23.39	23.38
5	QPSK	12	0	22.49	22.67	22.83
5	QPSK	12	7	22.61	22.70	22.78
5	QPSK	12	13	22.44	22.72	22.78
5	QPSK	25	0	22.47	22.64	22.77
5	16QAM	1	0	22.95	23.00	22.72
5	16QAM	1	12	23.12	22.68	23.05
5	16QAM	1	24	22.96	23.01	23.17
5	16QAM	12	0	22.40	22.43	22.64
5	16QAM	12	7	22.40	22.47	22.59
5	16QAM	12	13	22.31	22.56	22.59
5	16QAM	25	0	22.41	22.53	22.57
5	64QAM	1	0	21.21	21.22	21.22
5	64QAM	1	12	21.25	21.22	21.30
5	64QAM	1	24	21.30	21.30	21.22
5	64QAM	12	0	21.36	21.41	21.65
5	64QAM	12	7	21.49	21.57	21.51
5	64QAM	12	13	21.34	21.52	21.54
5	64QAM	25	0	21.31	21.50	21.66



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26865	26915	26965
Frequency (MHz)				831.5	836.5	841.5
15	QPSK	1	0	23.09	22.97	23.06
15	QPSK	1	37	23.00	22.93	23.06
15	QPSK	1	74	22.99	22.90	23.01
15	QPSK	36	0	22.45	22.37	22.33
15	QPSK	36	20	22.20	22.10	22.05
15	QPSK	36	39	22.07	21.96	22.13
15	QPSK	75	0	22.08	22.05	22.15
15	16QAM	1	0	22.21	22.09	22.49
15	16QAM	1	37	22.13	22.05	22.27
15	16QAM	1	74	22.06	21.95	22.07
15	16QAM	36	0	22.03	21.91	22.06
15	16QAM	36	20	21.92	21.91	22.07
15	16QAM	36	39	21.99	21.92	22.07
15	16QAM	75	0	22.09	21.97	22.09
15	64QAM	1	0	21.36	21.27	21.18
15	64QAM	1	37	21.18	21.17	21.28
15	64QAM	1	74	21.14	21.07	21.46
15	64QAM	36	0	21.35	21.34	21.34
15	64QAM	36	20	21.35	21.34	21.26
15	64QAM	36	39	21.41	21.34	21.17
15	64QAM	75	0	21.38	21.34	21.31



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26840	26915	26990
Frequency (MHz)				829.0	836.5	844.0
10	QPSK	1	0	22.95	22.88	22.98
10	QPSK	1	25	22.85	22.84	22.92
10	QPSK	1	49	22.86	22.86	22.91
10	QPSK	25	0	21.96	21.97	22.06
10	QPSK	25	12	21.93	21.90	21.96
10	QPSK	25	25	22.01	21.97	22.03
10	QPSK	50	0	21.97	22.02	22.05
10	16QAM	1	0	22.04	22.07	22.16
10	16QAM	1	25	22.20	22.26	22.30
10	16QAM	1	49	21.97	21.99	22.07
10	16QAM	25	0	22.43	22.46	22.54
10	16QAM	25	12	22.28	22.35	22.36
10	16QAM	25	25	22.12	22.20	22.23
10	16QAM	50	0	22.34	22.23	22.35
10	64QAM	1	0	21.17	21.16	21.26
10	64QAM	1	25	21.27	21.17	21.28
10	64QAM	1	49	21.16	21.21	21.25
10	64QAM	25	0	21.24	21.27	21.33
10	64QAM	25	12	21.23	21.22	21.32
10	64QAM	25	25	21.07	21.11	21.15
10	64QAM	50	0	21.24	21.17	21.29



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26815	26915	27015
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.88	22.96	22.97
5	QPSK	1	12	22.88	22.95	22.97
5	QPSK	1	24	22.93	22.88	22.99
5	QPSK	12	0	22.00	21.98	22.04
5	QPSK	12	7	22.07	22.04	22.14
5	QPSK	12	13	21.93	21.96	22.03
5	QPSK	25	0	22.14	22.20	22.22
5	16QAM	1	0	22.06	21.98	22.08
5	16QAM	1	12	21.88	21.94	21.98
5	16QAM	1	24	22.19	22.19	22.21
5	16QAM	12	0	22.17	22.18	22.24
5	16QAM	12	7	21.98	21.93	22.00
5	16QAM	12	13	22.01	21.93	22.05
5	16QAM	25	0	22.05	21.97	22.07
5	64QAM	1	0	21.23	21.15	21.25
5	64QAM	1	12	21.25	21.24	21.26
5	64QAM	1	24	21.17	21.22	21.25
5	64QAM	12	0	21.08	21.07	21.16
5	64QAM	12	7	21.09	21.07	21.17
5	64QAM	12	13	20.99	21.07	21.09
5	64QAM	25	0	21.12	21.07	21.15



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26805	26915	27025
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.95	22.99	23.02
3	QPSK	1	8	22.81	22.87	22.91
3	QPSK	1	14	22.87	22.91	22.98
3	QPSK	8	0	22.14	22.24	22.26
3	QPSK	8	4	21.96	21.99	22.03
3	QPSK	8	7	22.16	22.14	22.24
3	QPSK	15	0	22.05	22.05	22.15
3	16QAM	1	0	22.23	22.24	22.31
3	16QAM	1	8	22.17	22.20	22.27
3	16QAM	1	14	22.14	22.13	22.18
3	16QAM	8	0	22.10	22.01	22.12
3	16QAM	8	4	21.98	21.95	22.07
3	16QAM	8	7	22.01	21.94	22.03
3	16QAM	15	0	22.11	22.12	22.16
3	64QAM	1	0	21.26	21.34	21.37
3	64QAM	1	8	21.23	21.18	21.28
3	64QAM	1	14	21.42	21.41	21.44
3	64QAM	8	0	21.15	21.18	21.22
3	64QAM	8	4	21.10	21.15	21.22
3	64QAM	8	7	21.13	21.10	21.21
3	64QAM	15	0	21.16	21.10	21.19



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26797	26915	27033
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.88	22.95	22.97
1.4	QPSK	1	3	22.88	22.77	22.89
1.4	QPSK	1	5	22.76	22.80	22.88
1.4	QPSK	3	0	22.82	22.85	22.90
1.4	QPSK	3	1	22.84	22.88	22.96
1.4	QPSK	3	3	22.88	22.87	22.99
1.4	QPSK	6	0	22.14	22.18	22.26
1.4	16QAM	1	0	22.12	22.09	22.13
1.4	16QAM	1	3	22.05	22.00	22.07
1.4	16QAM	1	5	22.10	22.08	22.17
1.4	16QAM	3	0	22.19	22.14	22.24
1.4	16QAM	3	1	22.05	22.12	22.15
1.4	16QAM	3	3	21.93	21.95	21.96
1.4	16QAM	6	0	22.44	22.47	22.54
1.4	64QAM	1	0	21.47	21.38	21.50
1.4	64QAM	1	3	21.51	21.47	21.54
1.4	64QAM	1	5	21.56	21.55	21.58
1.4	64QAM	3	0	21.43	21.45	21.54
1.4	64QAM	3	1	21.46	21.47	21.50
1.4	64QAM	3	3	21.40	21.44	21.45
1.4	64QAM	6	0	21.12	21.18	21.21



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	22.97	23.04	23.01
20	QPSK	1	49	22.96	22.98	22.98
20	QPSK	1	99	22.88	22.94	22.91
20	QPSK	50	0	22.08	22.30	22.16
20	QPSK	50	24	22.01	22.08	22.04
20	QPSK	50	50	22.05	22.10	22.04
20	QPSK	100	0	21.93	22.04	22.07
20	16QAM	1	0	22.05	22.05	21.98
20	16QAM	1	49	22.04	21.64	22.04
20	16QAM	1	99	22.20	22.19	22.30
20	16QAM	50	0	22.05	22.19	21.80
20	16QAM	50	24	22.16	21.98	21.89
20	16QAM	50	50	22.15	21.79	21.83
20	16QAM	100	0	22.16	22.19	21.85
20	64QAM	1	0	21.32	21.60	21.63
20	64QAM	1	49	21.32	21.51	21.61
20	64QAM	1	99	21.34	21.61	21.65
20	64QAM	50	0	21.33	21.32	21.21
20	64QAM	50	24	21.35	21.31	21.30
20	64QAM	50	50	21.33	21.10	21.32
20	64QAM	100	0	21.33	21.29	21.20



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	22.94	22.94	22.95
15	QPSK	1	37	22.95	22.87	22.98
15	QPSK	1	74	22.76	22.98	22.95
15	QPSK	36	0	22.07	22.32	22.36
15	QPSK	36	20	22.21	22.30	22.26
15	QPSK	36	39	22.28	22.26	22.19
15	QPSK	75	0	22.16	22.16	22.17
15	16QAM	1	0	22.24	22.26	22.16
15	16QAM	1	37	22.26	22.30	21.98
15	16QAM	1	74	22.27	22.17	21.97
15	16QAM	36	0	22.04	22.00	21.89
15	16QAM	36	20	22.02	22.16	21.93
15	16QAM	36	39	22.04	22.06	21.91
15	16QAM	75	0	22.00	21.95	21.89
15	64QAM	1	0	21.46	21.35	21.51
15	64QAM	1	37	21.34	21.35	21.33
15	64QAM	1	74	21.29	21.37	21.54
15	64QAM	36	0	21.21	21.36	21.29
15	64QAM	36	20	21.49	21.35	21.23
15	64QAM	36	39	21.33	21.33	21.34
15	64QAM	75	0	21.51	21.33	21.37





LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	22.97	22.98	22.98
10	QPSK	1	25	22.97	22.77	22.97
10	QPSK	1	49	22.91	22.93	22.96
10	QPSK	25	0	22.06	21.92	21.92
10	QPSK	25	12	22.26	22.22	21.93
10	QPSK	25	25	22.27	22.29	21.89
10	QPSK	50	0	22.28	22.20	21.92
10	16QAM	1	0	22.14	21.91	22.22
10	16QAM	1	25	22.02	21.92	22.32
10	16QAM	1	49	22.39	21.95	22.04
10	16QAM	25	0	21.89	22.00	21.96
10	16QAM	25	12	22.19	21.89	22.02
10	16QAM	25	25	21.89	22.03	22.08
10	16QAM	50	0	22.01	22.05	21.97
10	64QAM	1	0	21.36	21.39	21.32
10	64QAM	1	25	21.27	21.52	21.42
10	64QAM	1	49	21.63	21.37	21.42
10	64QAM	25	0	21.22	21.22	21.32
10	64QAM	25	12	21.22	21.42	21.43
10	64QAM	25	25	21.18	21.38	21.34
10	64QAM	50	0	21.24	21.40	21.30



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	22.92	22.93	22.96
5	QPSK	1	12	22.77	22.98	22.96
5	QPSK	1	24	22.77	22.76	22.75
5	QPSK	12	0	22.19	22.67	22.26
5	QPSK	12	7	22.33	22.32	22.32
5	QPSK	12	13	22.21	22.23	22.25
5	QPSK	25	0	22.25	22.26	21.92
5	16QAM	1	0	22.43	22.54	22.44
5	16QAM	1	12	22.04	22.22	21.92
5	16QAM	1	24	22.04	22.05	22.04
5	16QAM	12	0	22.05	22.10	22.04
5	16QAM	12	7	22.04	22.06	22.04
5	16QAM	12	13	21.95	22.07	22.04
5	16QAM	25	0	22.22	21.94	22.12
5	64QAM	1	0	21.33	21.66	21.27
5	64QAM	1	12	21.60	21.60	21.67
5	64QAM	1	24	21.60	21.60	21.57
5	64QAM	12	0	21.28	21.40	21.36
5	64QAM	12	7	21.37	21.38	21.29
5	64QAM	12	13	21.36	21.39	21.26
5	64QAM	25	0	21.40	21.42	21.33



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				40140	40640	41140
Frequency (MHz)				2545	2595	2645
20	QPSK	1	0	22.95	23.07	23.01
20	QPSK	1	49	22.91	23.00	23.01
20	QPSK	1	99	22.85	22.96	22.81
20	QPSK	50	0	22.11	22.17	22.10
20	QPSK	50	24	22.11	21.94	21.91
20	QPSK	50	50	22.14	21.99	22.05
20	QPSK	100	0	22.11	22.05	21.95
20	16QAM	1	0	22.15	21.98	21.95
20	16QAM	1	49	22.14	21.98	21.95
20	16QAM	1	99	22.21	22.05	22.05
20	16QAM	50	0	22.12	21.98	21.95
20	16QAM	50	24	22.10	21.95	21.95
20	16QAM	50	50	22.16	22.41	22.05
20	16QAM	100	0	22.10	22.36	21.94
20	64QAM	1	0	21.53	21.44	21.23
20	64QAM	1	49	21.46	21.26	21.23
20	64QAM	1	99	21.36	21.22	21.19
20	64QAM	50	0	21.32	21.25	21.29
20	64QAM	50	24	21.17	21.32	21.22
20	64QAM	50	50	21.27	21.46	21.28
20	64QAM	100	0	21.25	21.49	21.29



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				40115	40640	41165
Frequency (MHz)				2542.5	2595	2647.5
15	QPSK	1	0	22.61	22.97	22.83
15	QPSK	1	37	22.60	23.01	22.94
15	QPSK	1	74	22.60	22.94	22.74
15	QPSK	36	0	21.77	21.96	22.77
15	QPSK	36	20	22.02	21.96	22.84
15	QPSK	36	39	22.18	21.95	22.79
15	QPSK	75	0	21.96	21.98	22.76
15	16QAM	1	0	21.90	22.35	22.15
15	16QAM	1	37	22.11	21.92	22.16
15	16QAM	1	74	22.07	21.49	21.78
15	16QAM	36	0	21.94	21.89	22.23
15	16QAM	36	20	21.99	21.85	22.25
15	16QAM	36	39	22.06	22.35	22.01
15	16QAM	75	0	21.97	21.83	21.61
15	64QAM	1	0	21.35	21.49	21.63
15	64QAM	1	37	21.63	21.63	20.75
15	64QAM	1	74	21.60	21.42	20.48
15	64QAM	36	0	21.04	21.20	21.12
15	64QAM	36	20	21.19	21.64	21.13
15	64QAM	36	39	21.14	21.61	21.22
15	64QAM	75	0	21.12	21.61	21.14



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				40090	40640	41190
Frequency (MHz)				2540	2595	2650
10	QPSK	1	0	22.65	22.94	22.81
10	QPSK	1	25	22.85	22.81	22.76
10	QPSK	1	49	22.62	23.01	22.77
10	QPSK	25	0	21.93	22.24	22.01
10	QPSK	25	12	22.01	22.13	22.01
10	QPSK	25	25	22.05	22.08	22.37
10	QPSK	50	0	22.10	22.16	21.61
10	16QAM	1	0	21.96	22.02	21.81
10	16QAM	1	25	22.14	22.17	21.85
10	16QAM	1	49	22.00	22.09	22.00
10	16QAM	25	0	22.00	22.23	21.66
10	16QAM	25	12	22.13	22.09	21.42
10	16QAM	25	25	22.10	22.21	21.93
10	16QAM	50	0	22.08	22.15	21.69
10	64QAM	1	0	20.98	20.94	21.34
10	64QAM	1	25	21.01	21.11	21.29
10	64QAM	1	49	20.99	20.98	21.10
10	64QAM	25	0	21.06	21.19	21.26
10	64QAM	25	12	21.09	21.08	21.01
10	64QAM	25	25	21.18	21.17	21.24
10	64QAM	50	0	21.14	21.22	21.30



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				40065	40640	41215
Frequency (MHz)				2537.5	2595	2652.5
5	QPSK	1	0	22.74	22.94	22.72
5	QPSK	1	12	22.73	22.81	22.76
5	QPSK	1	24	22.86	22.91	22.77
5	QPSK	12	0	21.95	22.13	21.93
5	QPSK	12	7	22.03	22.46	22.15
5	QPSK	12	13	21.97	22.20	22.21
5	QPSK	25	0	22.00	22.21	22.14
5	16QAM	1	0	22.24	22.22	22.05
5	16QAM	1	12	21.85	22.39	21.95
5	16QAM	1	24	21.71	22.20	22.21
5	16QAM	12	0	21.89	22.06	22.01
5	16QAM	12	7	22.01	22.16	22.14
5	16QAM	12	13	22.07	22.06	21.93
5	16QAM	25	0	21.99	22.14	21.91
5	64QAM	1	0	21.54	21.66	21.24
5	64QAM	1	12	21.54	21.59	21.20
5	64QAM	1	24	21.39	21.52	21.53
5	64QAM	12	0	21.34	21.12	21.20
5	64QAM	12	7	21.35	21.34	21.28
5	64QAM	12	13	21.33	21.13	21.19
5	64QAM	25	0	21.07	21.19	21.01



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	23.00	23.06	23.04
20	QPSK	1	49	22.85	22.84	22.80
20	QPSK	1	99	22.78	22.77	22.80
20	QPSK	50	0	22.23	22.30	22.26
20	QPSK	50	24	22.04	22.06	22.19
20	QPSK	50	50	22.08	22.16	22.04
20	QPSK	100	0	22.06	22.06	21.98
20	16QAM	1	0	22.11	21.87	22.15
20	16QAM	1	49	22.16	21.90	21.96
20	16QAM	1	99	22.16	22.34	22.13
20	16QAM	50	0	22.28	22.25	22.22
20	16QAM	50	24	22.17	22.17	22.18
20	16QAM	50	50	22.14	22.06	22.02
20	16QAM	100	0	22.10	22.13	22.19
20	64QAM	1	0	21.43	21.20	21.53
20	64QAM	1	49	21.20	21.53	21.52
20	64QAM	1	99	21.43	21.55	21.63
20	64QAM	50	0	21.39	21.29	21.42
20	64QAM	50	24	21.33	21.27	21.39
20	64QAM	50	50	21.35	21.23	21.29
20	64QAM	100	0	21.34	21.34	21.32



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	22.98	23.02	23.00
15	QPSK	1	37	23.02	22.98	22.96
15	QPSK	1	74	22.96	22.92	22.90
15	QPSK	36	0	22.17	22.14	22.18
15	QPSK	36	20	22.17	22.09	22.19
15	QPSK	36	39	22.03	22.08	22.05
15	QPSK	75	0	22.12	22.16	22.09
15	16QAM	1	0	22.11	21.98	22.28
15	16QAM	1	37	21.98	22.28	22.21
15	16QAM	1	74	22.08	21.98	21.98
15	16QAM	36	0	22.29	22.29	22.20
15	16QAM	36	20	22.32	22.31	22.37
15	16QAM	36	39	22.24	22.39	22.33
15	16QAM	75	0	22.34	22.32	22.28
15	64QAM	1	0	21.65	21.55	21.65
15	64QAM	1	37	21.67	21.45	21.55
15	64QAM	1	74	21.32	21.58	21.65
15	64QAM	36	0	21.44	21.43	21.56
15	64QAM	36	20	21.54	21.50	21.51
15	64QAM	36	39	21.43	21.37	21.41
15	64QAM	75	0	21.45	21.47	21.44





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	23.01	23.01	23.02
10	QPSK	1	25	22.91	22.89	22.97
10	QPSK	1	49	23.05	22.93	22.83
10	QPSK	25	0	22.48	22.41	22.48
10	QPSK	25	12	22.45	22.64	22.42
10	QPSK	25	25	22.41	22.37	22.29
10	QPSK	50	0	22.49	22.34	22.53
10	16QAM	1	0	22.41	22.41	22.61
10	16QAM	1	25	22.41	22.50	22.62
10	16QAM	1	49	22.24	22.44	22.32
10	16QAM	25	0	22.25	22.42	22.30
10	16QAM	25	12	22.24	22.44	22.35
10	16QAM	25	25	22.15	22.20	22.20
10	16QAM	50	0	22.31	22.35	22.36
10	64QAM	1	0	21.48	21.48	21.15
10	64QAM	1	25	21.15	21.28	21.18
10	64QAM	1	49	21.15	21.15	21.15
10	64QAM	25	0	21.48	21.46	21.48
10	64QAM	25	12	21.47	21.51	21.55
10	64QAM	25	25	21.47	21.40	21.42
10	64QAM	50	0	21.37	21.47	21.48



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	22.90	22.93	22.98
5	QPSK	1	12	22.93	22.93	22.92
5	QPSK	1	24	23.01	22.91	22.97
5	QPSK	12	0	22.17	22.19	22.15
5	QPSK	12	7	22.19	22.27	22.20
5	QPSK	12	13	22.05	22.11	22.12
5	QPSK	25	0	22.15	22.16	22.15
5	16QAM	1	0	22.64	22.33	22.34
5	16QAM	1	12	22.27	22.56	22.51
5	16QAM	1	24	22.39	22.28	22.63
5	16QAM	12	0	22.28	22.39	22.35
5	16QAM	12	7	22.45	22.37	22.49
5	16QAM	12	13	22.36	22.30	22.37
5	16QAM	25	0	22.37	22.39	22.31
5	64QAM	1	0	21.15	21.55	21.35
5	64QAM	1	12	21.45	21.45	21.45
5	64QAM	1	24	21.28	21.32	21.28
5	64QAM	12	0	21.52	21.27	21.48
5	64QAM	12	7	21.60	21.19	21.50
5	64QAM	12	13	21.43	21.55	21.50
5	64QAM	25	0	21.50	21.58	21.45



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	22.97	22.88	22.87
3	QPSK	1	8	22.84	22.85	22.93
3	QPSK	1	14	22.75	22.56	22.86
3	QPSK	8	0	22.43	22.40	22.44
3	QPSK	8	4	22.38	22.30	22.40
3	QPSK	8	7	22.24	22.29	22.26
3	QPSK	15	0	22.33	22.37	22.30
3	16QAM	1	0	22.02	22.43	22.19
3	16QAM	1	8	22.35	22.29	22.28
3	16QAM	1	14	22.39	22.28	21.98
3	16QAM	8	0	22.20	22.20	22.11
3	16QAM	8	4	22.23	22.22	22.28
3	16QAM	8	7	22.15	22.30	22.24
3	16QAM	15	0	22.25	22.23	22.19
3	64QAM	1	0	21.56	21.46	21.56
3	64QAM	1	8	21.58	21.36	21.46
3	64QAM	1	14	21.23	21.49	21.56
3	64QAM	8	0	21.35	21.34	21.47
3	64QAM	8	4	21.45	21.41	21.42
3	64QAM	8	7	21.34	21.28	21.32
3	64QAM	15	0	21.36	21.38	21.35



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	22.91	22.82	22.83
1.4	QPSK	1	3	22.97	22.99	22.99
1.4	QPSK	1	5	22.89	22.77	22.93
1.4	QPSK	3	0	22.88	22.81	22.88
1.4	QPSK	3	1	22.85	22.91	22.82
1.4	QPSK	3	3	22.86	22.82	22.74
1.4	QPSK	6	0	22.46	22.31	22.50
1.4	16QAM	1	0	22.33	22.33	22.53
1.4	16QAM	1	3	22.33	22.42	22.54
1.4	16QAM	1	5	22.16	22.36	22.24
1.4	16QAM	3	0	22.11	22.08	22.34
1.4	16QAM	3	1	22.20	22.10	22.22
1.4	16QAM	3	3	22.21	22.22	22.16
1.4	16QAM	6	0	22.10	22.01	22.02
1.4	64QAM	1	0	21.61	21.46	21.62
1.4	64QAM	1	3	21.34	21.43	21.43
1.4	64QAM	1	5	21.31	21.31	21.42
1.4	64QAM	3	0	21.40	21.38	21.40
1.4	64QAM	3	1	21.39	21.43	21.47
1.4	64QAM	3	3	21.39	21.32	21.34
1.4	64QAM	6	0	21.29	21.39	21.40



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

**Top Antenna**

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	20.80	0.120	20.83	0.121	20.77	0.119
20	QPSK	1	49	20.78	0.120	20.72	0.118	20.65	0.116
20	QPSK	1	99	20.72	0.118	20.68	0.117	20.66	0.116
20	QPSK	50	0	19.88	0.097	19.97	0.099	19.90	0.098
20	QPSK	50	24	19.89	0.097	19.94	0.099	19.94	0.099
20	QPSK	50	50	19.94	0.099	19.90	0.098	19.96	0.099
20	QPSK	100	0	19.87	0.097	19.96	0.099	19.92	0.098
20	16QAM	1	0	19.93	0.098	19.93	0.098	19.95	0.099
20	16QAM	1	49	19.77	0.095	20.07	0.102	20.03	0.101
20	16QAM	1	99	20.02	0.100	19.87	0.097	20.27	0.106
20	16QAM	50	0	19.95	0.099	19.92	0.098	19.90	0.098
20	16QAM	50	24	19.91	0.098	19.96	0.099	19.97	0.099
20	16QAM	50	50	19.99	0.100	19.96	0.099	20.03	0.101
20	16QAM	100	0	20.02	0.100	20.03	0.101	19.90	0.098
20	64QAM	1	0	18.97	0.079	19.16	0.082	18.90	0.078
20	64QAM	1	49	18.92	0.078	19.10	0.081	19.01	0.080
20	64QAM	1	99	18.87	0.077	19.20	0.083	19.20	0.083
20	64QAM	50	0	18.97	0.079	18.89	0.077	18.94	0.078
20	64QAM	50	24	19.00	0.079	18.94	0.078	18.99	0.079
20	64QAM	50	50	18.99	0.079	19.00	0.079	18.94	0.078
20	64QAM	100	0	18.87	0.077	18.84	0.077	18.85	0.077



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	20.61	0.115	20.64	0.116	20.55	0.114
15	QPSK	1	37	20.40	0.110	20.76	0.119	20.64	0.116
15	QPSK	1	74	20.77	0.119	20.69	0.117	20.77	0.119
15	QPSK	36	0	19.74	0.094	19.83	0.096	19.82	0.096
15	QPSK	36	20	19.73	0.094	19.92	0.098	19.89	0.097
15	QPSK	36	39	19.85	0.097	19.86	0.097	19.83	0.096
15	QPSK	75	0	19.77	0.095	19.83	0.096	19.79	0.095
15	16QAM	1	0	19.86	0.097	19.94	0.099	19.88	0.097
15	16QAM	1	37	19.99	0.100	20.02	0.100	19.88	0.097
15	16QAM	1	74	19.94	0.099	20.06	0.101	20.06	0.101
15	16QAM	36	0	19.73	0.094	19.78	0.095	19.81	0.096
15	16QAM	36	20	19.82	0.096	19.75	0.094	19.88	0.097
15	16QAM	36	39	19.87	0.097	19.96	0.099	19.93	0.098
15	16QAM	75	0	19.74	0.094	19.76	0.095	19.85	0.097
15	64QAM	1	0	18.94	0.078	18.70	0.074	18.76	0.075
15	64QAM	1	37	18.93	0.078	18.74	0.075	19.16	0.082
15	64QAM	1	74	18.82	0.076	18.86	0.077	19.01	0.080
15	64QAM	36	0	18.67	0.074	18.84	0.077	18.72	0.074
15	64QAM	36	20	18.87	0.077	18.89	0.077	18.79	0.076
15	64QAM	36	39	18.75	0.075	18.80	0.076	18.89	0.077
15	64QAM	75	0	18.74	0.075	18.81	0.076	18.80	0.076



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	20.65	0.116	20.64	0.116	20.74	0.119
10	QPSK	1	25	20.69	0.117	20.72	0.118	20.67	0.117
10	QPSK	1	49	20.65	0.116	20.66	0.116	20.65	0.116
10	QPSK	25	0	19.92	0.098	19.93	0.098	19.89	0.097
10	QPSK	25	12	19.88	0.097	20.00	0.100	19.93	0.098
10	QPSK	25	25	19.79	0.095	19.92	0.098	19.88	0.097
10	QPSK	50	0	19.85	0.097	19.94	0.099	19.92	0.098
10	16QAM	1	0	20.33	0.108	20.26	0.106	20.25	0.106
10	16QAM	1	25	20.02	0.100	19.98	0.100	20.05	0.101
10	16QAM	1	49	19.97	0.099	20.05	0.101	19.84	0.096
10	16QAM	25	0	19.87	0.097	19.86	0.097	19.83	0.096
10	16QAM	25	12	20.03	0.101	19.83	0.096	19.83	0.096
10	16QAM	25	25	19.83	0.096	20.03	0.101	20.13	0.103
10	16QAM	50	0	20.40	0.110	20.33	0.108	20.37	0.109
10	64QAM	1	0	18.91	0.078	18.96	0.079	18.96	0.079
10	64QAM	1	25	18.94	0.078	18.99	0.079	19.03	0.080
10	64QAM	1	49	18.61	0.073	18.74	0.075	18.71	0.074
10	64QAM	25	0	18.91	0.078	18.95	0.079	18.96	0.079
10	64QAM	25	12	18.94	0.078	18.92	0.078	18.93	0.078
10	64QAM	25	25	18.87	0.077	18.65	0.073	18.87	0.077
10	64QAM	50	0	18.88	0.077	18.88	0.077	18.85	0.077



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	20.65	0.116	20.70	0.117	20.64	0.116
5	QPSK	1	12	20.64	0.116	20.59	0.115	20.62	0.115
5	QPSK	1	24	20.60	0.115	20.68	0.117	20.69	0.117
5	QPSK	12	0	19.77	0.095	19.68	0.093	19.75	0.094
5	QPSK	12	7	19.78	0.095	19.83	0.096	19.75	0.094
5	QPSK	12	13	19.77	0.095	19.76	0.095	19.79	0.095
5	QPSK	25	0	19.76	0.095	19.74	0.094	19.76	0.095
5	16QAM	1	0	19.89	0.097	19.79	0.095	20.17	0.104
5	16QAM	1	12	19.87	0.097	19.80	0.095	20.17	0.104
5	16QAM	1	24	19.90	0.098	19.77	0.095	20.16	0.104
5	16QAM	12	0	19.99	0.100	20.13	0.103	19.99	0.100
5	16QAM	12	7	19.89	0.097	19.89	0.097	19.69	0.093
5	16QAM	12	13	19.69	0.093	20.02	0.100	19.79	0.095
5	16QAM	25	0	19.79	0.095	20.25	0.106	20.23	0.105
5	64QAM	1	0	18.99	0.079	18.71	0.074	18.76	0.075
5	64QAM	1	12	19.15	0.082	18.81	0.076	18.92	0.078
5	64QAM	1	24	19.16	0.082	18.80	0.076	18.82	0.076
5	64QAM	12	0	18.81	0.076	18.74	0.075	18.73	0.075
5	64QAM	12	7	18.87	0.077	18.71	0.074	18.71	0.074
5	64QAM	12	13	18.84	0.077	18.80	0.076	18.78	0.076
5	64QAM	25	0	18.91	0.078	18.71	0.074	18.78	0.076





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	20.59	0.115	20.66	0.116	20.58	0.114
3	QPSK	1	8	20.69	0.117	20.72	0.118	20.55	0.114
3	QPSK	1	14	20.70	0.117	20.57	0.114	20.57	0.114
3	QPSK	8	0	19.65	0.092	19.60	0.091	19.62	0.092
3	QPSK	8	4	19.71	0.094	19.65	0.092	19.66	0.092
3	QPSK	8	7	19.71	0.094	19.65	0.092	19.61	0.091
3	QPSK	15	0	19.63	0.092	19.71	0.094	19.64	0.092
3	16QAM	1	0	19.79	0.095	19.70	0.093	19.64	0.092
3	16QAM	1	8	19.83	0.096	19.77	0.095	19.73	0.094
3	16QAM	1	14	19.76	0.095	19.73	0.094	19.61	0.091
3	16QAM	8	0	20.19	0.104	20.32	0.108	20.24	0.106
3	16QAM	8	4	20.26	0.106	20.23	0.105	20.29	0.107
3	16QAM	8	7	20.16	0.104	20.21	0.105	20.24	0.106
3	16QAM	15	0	20.19	0.104	20.23	0.105	20.18	0.104
3	64QAM	1	0	18.72	0.074	18.65	0.073	18.68	0.074
3	64QAM	1	8	19.14	0.082	19.13	0.082	18.73	0.075
3	64QAM	1	14	18.75	0.075	19.11	0.081	18.75	0.075
3	64QAM	8	0	18.67	0.074	18.69	0.074	18.53	0.071
3	64QAM	8	4	18.77	0.075	18.67	0.074	18.67	0.074
3	64QAM	8	7	18.87	0.077	18.76	0.075	18.62	0.073
3	64QAM	15	0	18.72	0.074	18.72	0.074	18.70	0.074



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	20.65	0.116	20.68	0.117	20.63	0.116
1.4	QPSK	1	3	20.55	0.114	20.53	0.113	20.52	0.113
1.4	QPSK	1	5	20.52	0.113	20.50	0.112	20.48	0.112
1.4	QPSK	3	0	20.52	0.113	20.52	0.113	20.48	0.112
1.4	QPSK	3	1	20.56	0.114	20.53	0.113	20.51	0.112
1.4	QPSK	3	3	20.58	0.114	20.62	0.115	20.51	0.112
1.4	QPSK	6	0	19.61	0.091	19.59	0.091	19.58	0.091
1.4	16QAM	1	0	19.64	0.092	19.64	0.092	19.58	0.091
1.4	16QAM	1	3	19.60	0.091	19.80	0.095	19.78	0.095
1.4	16QAM	1	5	19.48	0.089	19.68	0.093	19.36	0.086
1.4	16QAM	3	0	19.50	0.089	19.55	0.090	19.52	0.090
1.4	16QAM	3	1	19.68	0.093	19.50	0.089	19.55	0.090
1.4	16QAM	3	3	19.70	0.093	19.67	0.093	19.41	0.087
1.4	16QAM	6	0	19.71	0.094	19.64	0.092	19.59	0.091
1.4	64QAM	1	0	18.59	0.072	18.51	0.071	18.54	0.071
1.4	64QAM	1	3	18.61	0.073	18.82	0.076	18.70	0.074
1.4	64QAM	1	5	18.59	0.072	18.94	0.078	18.53	0.071
1.4	64QAM	3	0	18.62	0.073	18.68	0.074	18.69	0.074
1.4	64QAM	3	1	18.71	0.074	18.68	0.074	18.89	0.077
1.4	64QAM	3	3	18.63	0.073	18.77	0.075	18.54	0.071
1.4	64QAM	6	0	18.68	0.074	18.71	0.074	18.60	0.072



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	20.38	0.109	20.46	0.111	20.45	0.111
20	QPSK	1	49	20.24	0.106	20.32	0.108	20.31	0.107
20	QPSK	1	99	20.16	0.104	20.29	0.107	20.41	0.110
20	QPSK	50	0	19.54	0.090	19.58	0.091	19.55	0.090
20	QPSK	50	24	19.45	0.088	19.53	0.090	19.53	0.090
20	QPSK	50	50	19.34	0.086	19.45	0.088	19.46	0.088
20	QPSK	100	0	19.44	0.088	19.48	0.089	19.55	0.090
20	16QAM	1	0	19.31	0.085	19.61	0.091	19.48	0.089
20	16QAM	1	49	19.46	0.088	19.23	0.084	19.37	0.086
20	16QAM	1	99	19.25	0.084	19.47	0.089	19.31	0.085
20	16QAM	50	0	19.44	0.088	19.37	0.086	19.51	0.089
20	16QAM	50	24	19.70	0.093	19.81	0.096	19.70	0.093
20	16QAM	50	50	19.66	0.092	19.67	0.093	19.67	0.093
20	16QAM	100	0	19.68	0.093	19.76	0.095	19.77	0.095
20	64QAM	1	0	18.42	0.070	18.53	0.071	18.75	0.075
20	64QAM	1	49	18.46	0.070	18.39	0.069	18.27	0.067
20	64QAM	1	99	18.73	0.075	18.30	0.068	18.77	0.075
20	64QAM	50	0	18.43	0.070	18.52	0.071	18.47	0.070
20	64QAM	50	24	18.45	0.070	18.56	0.072	18.50	0.071
20	64QAM	50	50	18.49	0.071	18.44	0.070	18.46	0.070
20	64QAM	100	0	18.52	0.071	18.50	0.071	18.59	0.072



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	20.25	0.106	20.29	0.107	20.39	0.109
15	QPSK	1	37	20.29	0.107	20.38	0.109	20.30	0.107
15	QPSK	1	74	20.16	0.104	20.38	0.109	20.41	0.110
15	QPSK	36	0	19.39	0.087	19.46	0.088	19.49	0.089
15	QPSK	36	20	19.43	0.088	19.56	0.090	19.52	0.090
15	QPSK	36	39	19.48	0.089	19.47	0.089	19.56	0.090
15	QPSK	75	0	19.43	0.088	19.45	0.088	19.46	0.088
15	16QAM	1	0	19.37	0.086	19.59	0.091	19.31	0.085
15	16QAM	1	37	19.45	0.088	19.45	0.088	19.29	0.085
15	16QAM	1	74	19.31	0.085	19.61	0.091	19.40	0.087
15	16QAM	36	0	19.32	0.086	19.34	0.086	19.53	0.090
15	16QAM	36	20	19.27	0.085	19.34	0.086	19.40	0.087
15	16QAM	36	39	19.23	0.084	19.32	0.086	19.38	0.087
15	16QAM	75	0	19.34	0.086	19.35	0.086	19.44	0.088
15	64QAM	1	0	18.29	0.067	18.60	0.072	18.65	0.073
15	64QAM	1	37	18.71	0.074	18.47	0.070	18.53	0.071
15	64QAM	1	74	18.75	0.075	18.46	0.070	18.50	0.071
15	64QAM	36	0	18.40	0.069	18.47	0.070	18.51	0.071
15	64QAM	36	20	18.46	0.070	18.48	0.070	18.50	0.071
15	64QAM	36	39	18.49	0.071	18.45	0.070	18.47	0.070
15	64QAM	75	0	18.42	0.070	18.53	0.071	18.46	0.070



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	20.37	0.109	20.36	0.109	20.19	0.104
10	QPSK	1	25	20.35	0.108	20.28	0.107	20.29	0.107
10	QPSK	1	49	20.23	0.105	20.06	0.101	20.29	0.107
10	QPSK	25	0	19.22	0.084	19.44	0.088	19.46	0.088
10	QPSK	25	12	19.34	0.086	19.40	0.087	19.44	0.088
10	QPSK	25	25	19.23	0.084	19.34	0.086	19.41	0.087
10	QPSK	50	0	19.29	0.085	19.39	0.087	19.31	0.085
10	16QAM	1	0	19.28	0.085	19.43	0.088	19.19	0.083
10	16QAM	1	25	19.55	0.090	19.29	0.085	19.61	0.091
10	16QAM	1	49	19.62	0.092	19.52	0.090	19.51	0.089
10	16QAM	25	0	19.28	0.085	19.27	0.085	19.26	0.084
10	16QAM	25	12	19.20	0.083	19.30	0.085	19.27	0.085
10	16QAM	25	25	19.54	0.090	19.45	0.088	19.54	0.090
10	16QAM	50	0	19.48	0.089	19.52	0.090	19.64	0.092
10	64QAM	1	0	18.34	0.068	18.42	0.070	18.32	0.068
10	64QAM	1	25	18.41	0.069	18.70	0.074	18.79	0.076
10	64QAM	1	49	18.39	0.069	18.43	0.070	18.38	0.069
10	64QAM	25	0	18.23	0.067	18.37	0.069	18.36	0.069
10	64QAM	25	12	18.32	0.068	18.43	0.070	18.47	0.070
10	64QAM	25	25	18.20	0.066	18.32	0.068	18.34	0.068
10	64QAM	50	0	18.26	0.067	18.33	0.068	18.32	0.068



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	20.34	0.108	20.29	0.107	20.34	0.108
5	QPSK	1	12	20.33	0.108	20.28	0.107	20.25	0.106
5	QPSK	1	24	20.08	0.102	20.20	0.105	20.19	0.104
5	QPSK	12	0	19.30	0.085	19.30	0.085	19.34	0.086
5	QPSK	12	7	19.30	0.085	19.41	0.087	19.38	0.087
5	QPSK	12	13	19.25	0.084	19.42	0.087	19.34	0.086
5	QPSK	25	0	19.28	0.085	19.32	0.086	19.38	0.087
5	16QAM	1	0	19.18	0.083	19.59	0.091	19.27	0.085
5	16QAM	1	12	19.29	0.085	19.64	0.092	19.23	0.084
5	16QAM	1	24	19.23	0.084	19.58	0.091	19.18	0.083
5	16QAM	12	0	19.22	0.084	19.16	0.082	19.19	0.083
5	16QAM	12	7	19.25	0.084	19.29	0.085	19.27	0.085
5	16QAM	12	13	19.52	0.090	19.59	0.091	19.63	0.092
5	16QAM	25	0	19.53	0.090	19.64	0.092	19.57	0.091
5	64QAM	1	0	18.30	0.068	18.74	0.075	18.72	0.074
5	64QAM	1	12	18.68	0.074	18.44	0.070	18.71	0.074
5	64QAM	1	24	18.64	0.073	18.34	0.068	18.41	0.069
5	64QAM	12	0	18.31	0.068	18.38	0.069	18.40	0.069
5	64QAM	12	7	18.30	0.068	18.39	0.069	18.45	0.070
5	64QAM	12	13	18.31	0.068	18.37	0.069	18.36	0.069
5	64QAM	25	0	18.26	0.067	18.40	0.069	18.31	0.068



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	20.19	0.104	20.20	0.105	20.32	0.108
3	QPSK	1	8	20.28	0.107	20.42	0.110	20.36	0.109
3	QPSK	1	14	20.08	0.102	20.27	0.106	20.27	0.106
3	QPSK	8	0	19.28	0.085	19.34	0.086	19.35	0.086
3	QPSK	8	4	19.34	0.086	19.42	0.087	19.44	0.088
3	QPSK	8	7	19.30	0.085	19.40	0.087	19.40	0.087
3	QPSK	15	0	19.30	0.085	19.36	0.086	19.30	0.085
3	16QAM	1	0	19.38	0.087	19.47	0.089	19.51	0.089
3	16QAM	1	8	19.60	0.091	19.60	0.091	19.34	0.086
3	16QAM	1	14	19.51	0.089	19.29	0.085	19.37	0.086
3	16QAM	8	0	19.30	0.085	19.31	0.085	19.40	0.087
3	16QAM	8	4	19.40	0.087	19.40	0.087	19.41	0.087
3	16QAM	8	7	19.62	0.092	19.70	0.093	19.74	0.094
3	16QAM	15	0	19.62	0.092	19.60	0.091	19.67	0.093
3	64QAM	1	0	18.29	0.067	18.38	0.069	18.36	0.069
3	64QAM	1	8	18.48	0.070	18.36	0.069	18.52	0.071
3	64QAM	1	14	18.29	0.067	18.36	0.069	18.19	0.066
3	64QAM	8	0	18.27	0.067	18.31	0.068	18.25	0.067
3	64QAM	8	4	18.39	0.069	18.37	0.069	18.41	0.069
3	64QAM	8	7	18.33	0.068	18.40	0.069	18.52	0.071
3	64QAM	15	0	18.29	0.067	18.37	0.069	18.28	0.067



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	20.34	0.108	20.39	0.109	20.37	0.109
1.4	QPSK	1	3	20.28	0.107	20.28	0.107	20.32	0.108
1.4	QPSK	1	5	20.14	0.103	20.23	0.105	20.25	0.106
1.4	QPSK	3	0	20.22	0.105	20.19	0.104	20.18	0.104
1.4	QPSK	3	1	20.18	0.104	20.28	0.107	20.33	0.108
1.4	QPSK	3	3	20.17	0.104	20.24	0.106	20.23	0.105
1.4	QPSK	6	0	19.33	0.086	19.35	0.086	19.31	0.085
1.4	16QAM	1	0	19.27	0.085	19.74	0.094	19.40	0.087
1.4	16QAM	1	3	19.40	0.087	19.48	0.089	19.52	0.090
1.4	16QAM	1	5	19.46	0.088	19.62	0.092	19.42	0.087
1.4	16QAM	3	0	19.49	0.089	19.53	0.090	19.44	0.088
1.4	16QAM	3	1	19.50	0.089	19.53	0.090	19.55	0.090
1.4	16QAM	3	3	19.49	0.089	19.61	0.091	19.50	0.089
1.4	16QAM	6	0	19.40	0.087	19.41	0.087	19.32	0.086
1.4	64QAM	1	0	18.18	0.066	18.12	0.065	18.26	0.067
1.4	64QAM	1	3	18.44	0.070	18.42	0.070	18.54	0.071
1.4	64QAM	1	5	18.35	0.068	18.31	0.068	18.15	0.065
1.4	64QAM	3	0	18.26	0.067	18.24	0.067	18.43	0.070
1.4	64QAM	3	1	18.17	0.066	18.32	0.068	18.29	0.067
1.4	64QAM	3	3	18.23	0.067	18.40	0.069	18.28	0.067
1.4	64QAM	6	0	18.22	0.066	18.23	0.067	18.30	0.068





LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	17.82	0.061	17.83	0.061	17.75	0.060
10	QPSK	1	25	17.68	0.059	17.71	0.059	17.51	0.056
10	QPSK	1	49	17.60	0.058	17.72	0.059	17.40	0.055
10	QPSK	25	0	16.91	0.049	16.93	0.049	16.74	0.047
10	QPSK	25	12	16.67	0.046	16.69	0.047	16.74	0.047
10	QPSK	25	25	16.67	0.046	16.78	0.048	16.83	0.048
10	QPSK	50	0	16.73	0.047	16.61	0.046	16.75	0.047
10	16QAM	1	0	16.77	0.048	16.96	0.050	16.67	0.046
10	16QAM	1	25	17.00	0.050	17.03	0.050	16.71	0.047
10	16QAM	1	49	16.83	0.048	16.89	0.049	16.96	0.050
10	16QAM	25	0	16.92	0.049	16.93	0.049	16.75	0.047
10	16QAM	25	12	16.86	0.049	16.94	0.049	16.72	0.047
10	16QAM	25	25	16.89	0.049	16.82	0.048	16.85	0.048
10	16QAM	50	0	16.90	0.049	16.81	0.048	16.71	0.047
10	64QAM	1	0	15.86	0.039	15.96	0.039	15.84	0.038
10	64QAM	1	25	15.83	0.038	16.03	0.040	15.83	0.038
10	64QAM	1	49	15.72	0.037	15.94	0.039	15.85	0.038
10	64QAM	25	0	15.83	0.038	15.94	0.039	15.61	0.036
10	64QAM	25	12	15.82	0.038	15.99	0.040	15.70	0.037
10	64QAM	25	25	15.94	0.039	15.83	0.038	15.53	0.036
10	64QAM	50	0	15.90	0.039	15.86	0.039	15.72	0.037



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	17.77	0.060	17.73	0.059	17.71	0.059
5	QPSK	1	12	17.67	0.058	17.78	0.060	17.62	0.058
5	QPSK	1	24	17.67	0.058	17.62	0.058	17.62	0.058
5	QPSK	12	0	16.82	0.048	16.87	0.049	16.73	0.047
5	QPSK	12	7	16.89	0.049	16.90	0.049	16.82	0.048
5	QPSK	12	13	16.94	0.049	16.78	0.048	16.73	0.047
5	QPSK	25	0	16.85	0.048	16.81	0.048	16.73	0.047
5	16QAM	1	0	17.14	0.052	17.07	0.051	16.83	0.048
5	16QAM	1	12	16.84	0.048	17.06	0.051	16.82	0.048
5	16QAM	1	24	16.71	0.047	17.06	0.051	16.89	0.049
5	16QAM	12	0	16.80	0.048	16.89	0.049	16.88	0.049
5	16QAM	12	7	16.87	0.049	16.90	0.049	16.72	0.047
5	16QAM	12	13	16.87	0.049	16.78	0.048	16.83	0.048
5	16QAM	25	0	16.88	0.049	16.93	0.049	16.88	0.049
5	64QAM	1	0	15.95	0.039	15.83	0.038	15.94	0.039
5	64QAM	1	12	15.83	0.038	15.77	0.038	15.91	0.039
5	64QAM	1	24	15.97	0.040	15.81	0.038	15.75	0.038
5	64QAM	12	0	15.69	0.037	15.83	0.038	15.63	0.037
5	64QAM	12	7	15.73	0.037	15.89	0.039	15.67	0.037
5	64QAM	12	13	15.91	0.039	15.86	0.039	15.43	0.035
5	64QAM	25	0	15.79	0.038	15.86	0.039	15.47	0.035



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	17.76	0.060	17.77	0.060	17.62	0.058
3	QPSK	1	8	17.72	0.059	17.73	0.059	17.64	0.058
3	QPSK	1	14	17.73	0.059	17.71	0.059	17.45	0.056
3	QPSK	8	0	16.75	0.047	16.88	0.049	16.86	0.049
3	QPSK	8	4	16.89	0.049	16.95	0.050	16.92	0.049
3	QPSK	8	7	16.84	0.048	16.86	0.049	16.73	0.047
3	QPSK	15	0	16.82	0.048	16.88	0.049	16.87	0.049
3	16QAM	1	0	16.84	0.048	16.95	0.050	17.02	0.050
3	16QAM	1	8	16.77	0.048	17.03	0.050	16.87	0.049
3	16QAM	1	14	16.82	0.048	17.08	0.051	16.83	0.048
3	16QAM	8	0	16.78	0.048	16.87	0.049	16.61	0.046
3	16QAM	8	4	16.94	0.049	17.05	0.051	16.62	0.046
3	16QAM	8	7	16.86	0.049	16.92	0.049	16.66	0.046
3	16QAM	15	0	16.80	0.048	16.82	0.048	16.37	0.043
3	64QAM	1	0	15.75	0.038	15.63	0.037	15.84	0.038
3	64QAM	1	8	15.63	0.037	15.87	0.039	15.63	0.037
3	64QAM	1	14	15.65	0.037	15.83	0.038	15.64	0.037
3	64QAM	8	0	15.75	0.038	15.85	0.038	15.83	0.038
3	64QAM	8	4	15.97	0.040	15.81	0.038	15.75	0.038
3	64QAM	8	7	15.92	0.039	15.84	0.038	15.81	0.038
3	64QAM	15	0	15.81	0.038	15.91	0.039	15.71	0.037



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	17.77	0.060	17.74	0.059	17.78	0.060
1.4	QPSK	1	3	17.80	0.060	17.73	0.059	17.80	0.060
1.4	QPSK	1	5	17.69	0.059	17.63	0.058	17.64	0.058
1.4	QPSK	3	0	17.70	0.059	17.76	0.060	17.72	0.059
1.4	QPSK	3	1	17.76	0.060	17.63	0.058	17.73	0.059
1.4	QPSK	3	3	17.77	0.060	17.69	0.059	17.69	0.059
1.4	QPSK	6	0	16.80	0.048	16.79	0.048	16.78	0.048
1.4	16QAM	1	0	16.93	0.049	16.74	0.047	16.91	0.049
1.4	16QAM	1	3	16.73	0.047	16.97	0.050	16.86	0.049
1.4	16QAM	1	5	17.12	0.052	16.80	0.048	16.86	0.049
1.4	16QAM	3	0	16.65	0.046	16.63	0.046	16.77	0.048
1.4	16QAM	3	1	16.68	0.047	16.95	0.050	16.81	0.048
1.4	16QAM	3	3	16.76	0.047	16.87	0.049	16.75	0.047
1.4	16QAM	6	0	16.95	0.050	16.82	0.048	16.86	0.049
1.4	64QAM	1	0	15.48	0.035	15.65	0.037	15.67	0.037
1.4	64QAM	1	3	15.79	0.038	15.80	0.038	15.75	0.038
1.4	64QAM	1	5	15.74	0.037	15.73	0.037	15.61	0.036
1.4	64QAM	3	0	15.40	0.035	15.67	0.037	15.68	0.037
1.4	64QAM	3	1	15.68	0.037	15.62	0.036	15.63	0.037
1.4	64QAM	3	3	15.58	0.036	15.75	0.038	15.79	0.038
1.4	64QAM	6	0	15.79	0.038	15.91	0.039	15.80	0.038



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	23.33	0.215	23.34	0.216	23.26	0.212
20	QPSK	1	49	23.28	0.213	23.32	0.215	23.21	0.209
20	QPSK	1	99	23.23	0.210	23.18	0.208	23.23	0.210
20	QPSK	50	0	22.39	0.173	22.46	0.176	22.43	0.175
20	QPSK	50	24	22.15	0.164	22.12	0.163	22.02	0.159
20	QPSK	50	50	22.25	0.168	22.28	0.169	22.25	0.168
20	QPSK	100	0	22.20	0.166	22.22	0.167	22.19	0.166
20	16QAM	1	0	22.01	0.159	22.11	0.163	22.29	0.169
20	16QAM	1	49	22.16	0.164	22.02	0.159	22.30	0.170
20	16QAM	1	99	22.10	0.162	22.41	0.174	22.06	0.161
20	16QAM	50	0	21.95	0.157	22.05	0.160	21.98	0.158
20	16QAM	50	24	22.00	0.158	21.92	0.156	22.03	0.160
20	16QAM	50	50	22.08	0.161	22.13	0.163	21.96	0.157
20	16QAM	100	0	21.96	0.157	22.08	0.161	22.06	0.161
20	64QAM	1	0	20.84	0.121	21.00	0.126	21.02	0.126
20	64QAM	1	49	21.12	0.129	21.09	0.129	21.14	0.130
20	64QAM	1	99	21.10	0.129	21.15	0.130	21.06	0.128
20	64QAM	50	0	21.04	0.127	21.05	0.127	21.10	0.129
20	64QAM	50	24	21.09	0.129	21.10	0.129	21.10	0.129
20	64QAM	50	50	21.13	0.130	21.20	0.132	21.05	0.127
20	64QAM	100	0	21.06	0.128	21.03	0.127	21.15	0.130



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	23.16	0.207	23.25	0.211	23.25	0.211
15	QPSK	1	37	23.26	0.212	23.23	0.210	23.27	0.212
15	QPSK	1	74	23.20	0.209	23.27	0.212	23.27	0.212
15	QPSK	36	0	21.98	0.158	22.07	0.161	22.09	0.162
15	QPSK	36	20	22.06	0.161	22.13	0.163	22.08	0.161
15	QPSK	36	39	22.09	0.162	22.12	0.163	22.16	0.164
15	QPSK	75	0	22.15	0.164	22.08	0.161	22.10	0.162
15	16QAM	1	0	22.51	0.178	22.62	0.183	22.69	0.186
15	16QAM	1	37	22.33	0.171	22.44	0.175	22.42	0.175
15	16QAM	1	74	22.37	0.173	22.37	0.173	22.59	0.182
15	16QAM	36	0	21.96	0.157	22.07	0.161	22.09	0.162
15	16QAM	36	20	22.03	0.160	22.06	0.161	22.05	0.160
15	16QAM	36	39	22.09	0.162	22.07	0.161	21.96	0.157
15	16QAM	75	0	22.04	0.160	22.12	0.163	22.04	0.160
15	64QAM	1	0	20.94	0.124	20.91	0.123	20.79	0.120
15	64QAM	1	37	20.84	0.121	20.99	0.126	21.08	0.128
15	64QAM	1	74	20.83	0.121	20.95	0.124	21.01	0.126
15	64QAM	36	0	21.02	0.126	21.10	0.129	21.09	0.129
15	64QAM	36	20	21.13	0.130	21.12	0.129	21.19	0.132
15	64QAM	36	39	21.17	0.131	21.08	0.128	21.10	0.129
15	64QAM	75	0	21.02	0.126	21.12	0.129	21.07	0.128



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	23.15	0.207	23.02	0.200	23.05	0.202
10	QPSK	1	25	23.18	0.208	23.08	0.203	23.10	0.204
10	QPSK	1	49	23.11	0.205	23.08	0.203	23.10	0.204
10	QPSK	25	0	21.90	0.155	21.90	0.155	21.89	0.155
10	QPSK	25	12	21.86	0.153	21.98	0.158	22.03	0.160
10	QPSK	25	25	21.79	0.151	21.97	0.157	21.97	0.157
10	QPSK	50	0	21.88	0.154	22.00	0.158	21.99	0.158
10	16QAM	1	0	22.13	0.163	22.31	0.170	22.16	0.164
10	16QAM	1	25	22.12	0.163	22.14	0.164	22.19	0.166
10	16QAM	1	49	22.59	0.182	22.49	0.177	22.40	0.174
10	16QAM	25	0	22.02	0.159	21.90	0.155	21.98	0.158
10	16QAM	25	12	21.84	0.153	22.01	0.159	21.94	0.156
10	16QAM	25	25	21.89	0.155	21.92	0.156	21.84	0.153
10	16QAM	50	0	21.92	0.156	22.01	0.159	21.86	0.153
10	64QAM	1	0	20.94	0.124	20.90	0.123	20.88	0.122
10	64QAM	1	25	20.97	0.125	21.22	0.132	21.05	0.127
10	64QAM	1	49	21.08	0.128	21.32	0.136	21.13	0.130
10	64QAM	25	0	20.94	0.124	20.92	0.124	20.96	0.125
10	64QAM	25	12	20.96	0.125	21.07	0.128	21.00	0.126
10	64QAM	25	25	20.89	0.123	20.79	0.120	20.78	0.120
10	64QAM	50	0	20.83	0.121	20.89	0.123	20.81	0.121



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	23.19	0.208	23.10	0.204	23.00	0.200
5	QPSK	1	12	23.06	0.202	22.99	0.199	23.07	0.203
5	QPSK	1	24	23.00	0.200	23.06	0.202	23.10	0.204
5	QPSK	12	0	21.70	0.148	21.78	0.151	21.70	0.148
5	QPSK	12	7	21.77	0.150	21.92	0.156	21.84	0.153
5	QPSK	12	13	21.79	0.151	21.95	0.157	21.80	0.151
5	QPSK	25	0	21.80	0.151	21.81	0.152	21.76	0.150
5	16QAM	1	0	21.98	0.158	21.96	0.157	22.02	0.159
5	16QAM	1	12	22.03	0.160	22.25	0.168	22.15	0.164
5	16QAM	1	24	22.09	0.162	22.28	0.169	22.10	0.162
5	16QAM	12	0	22.00	0.158	22.06	0.161	21.97	0.157
5	16QAM	12	7	21.89	0.155	21.91	0.155	21.87	0.154
5	16QAM	12	13	21.89	0.155	21.95	0.157	22.08	0.161
5	16QAM	25	0	21.86	0.153	21.91	0.155	21.93	0.156
5	64QAM	1	0	21.04	0.127	21.09	0.129	21.05	0.127
5	64QAM	1	12	21.09	0.129	21.21	0.132	21.09	0.129
5	64QAM	1	24	21.13	0.130	21.23	0.133	21.19	0.132
5	64QAM	12	0	20.84	0.121	20.81	0.121	20.86	0.122
5	64QAM	12	7	20.93	0.124	20.98	0.125	20.77	0.119
5	64QAM	12	13	20.88	0.122	20.97	0.125	20.83	0.121
5	64QAM	25	0	20.83	0.121	20.82	0.121	20.87	0.122





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	16.47	0.044	16.63	0.046	16.52	0.045
10	QPSK	1	25	16.33	0.043	16.46	0.044	16.49	0.045
10	QPSK	1	49	16.43	0.044	16.44	0.044	16.43	0.044
10	QPSK	25	0	15.72	0.037	15.82	0.038	15.73	0.037
10	QPSK	25	12	15.69	0.037	15.63	0.037	15.42	0.035
10	QPSK	25	25	15.74	0.037	15.80	0.038	15.73	0.037
10	QPSK	50	0	15.75	0.038	15.77	0.038	15.68	0.037
10	16QAM	1	0	15.68	0.037	15.23	0.033	15.36	0.034
10	16QAM	1	25	15.43	0.035	15.38	0.035	15.52	0.036
10	16QAM	1	49	15.52	0.036	15.57	0.036	15.46	0.035
10	16QAM	25	0	15.41	0.035	15.43	0.035	15.37	0.034
10	16QAM	25	12	15.45	0.035	15.49	0.035	15.38	0.035
10	16QAM	25	25	15.50	0.035	15.51	0.036	15.45	0.035
10	16QAM	50	0	15.40	0.035	15.48	0.035	15.53	0.036
10	64QAM	1	0	14.25	0.027	14.37	0.027	14.71	0.030
10	64QAM	1	25	14.69	0.029	14.75	0.030	14.34	0.027
10	64QAM	1	49	14.71	0.030	14.39	0.027	14.32	0.027
10	64QAM	25	0	14.22	0.026	14.16	0.026	14.13	0.026
10	64QAM	25	12	14.27	0.027	14.30	0.027	14.22	0.026
10	64QAM	25	25	14.32	0.027	14.29	0.027	14.29	0.027
10	64QAM	50	0	14.24	0.027	14.17	0.026	14.28	0.027



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	16.22	0.042	16.55	0.045	16.33	0.043
5	QPSK	1	12	16.38	0.043	16.54	0.045	16.38	0.043
5	QPSK	1	24	16.34	0.043	16.53	0.045	16.39	0.044
5	QPSK	12	0	15.45	0.035	15.52	0.036	15.51	0.036
5	QPSK	12	7	15.56	0.036	15.58	0.036	15.55	0.036
5	QPSK	12	13	15.51	0.036	15.54	0.036	15.51	0.036
5	QPSK	25	0	15.47	0.035	15.59	0.036	15.55	0.036
5	16QAM	1	0	15.48	0.035	15.50	0.035	15.52	0.036
5	16QAM	1	12	15.65	0.037	15.60	0.036	15.61	0.036
5	16QAM	1	24	15.61	0.036	15.59	0.036	15.55	0.036
5	16QAM	12	0	15.35	0.034	15.32	0.034	15.35	0.034
5	16QAM	12	7	15.49	0.035	15.54	0.036	15.38	0.035
5	16QAM	12	13	15.44	0.035	15.41	0.035	15.46	0.035
5	16QAM	25	0	15.45	0.035	15.41	0.035	15.43	0.035
5	64QAM	1	0	14.23	0.026	14.24	0.027	14.29	0.027
5	64QAM	1	12	14.68	0.029	14.38	0.027	14.31	0.027
5	64QAM	1	24	14.66	0.029	14.35	0.027	14.40	0.028
5	64QAM	12	0	14.20	0.026	14.22	0.026	14.17	0.026
5	64QAM	12	7	14.30	0.027	14.18	0.026	14.24	0.027
5	64QAM	12	13	14.17	0.026	14.27	0.027	14.32	0.027
5	64QAM	25	0	14.32	0.027	14.28	0.027	14.25	0.027



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	16.30	0.043	16.57	0.045	16.24	0.042
3	QPSK	1	8	16.48	0.044	16.47	0.044	16.37	0.043
3	QPSK	1	14	16.42	0.044	16.53	0.045	16.48	0.044
3	QPSK	8	0	15.53	0.036	15.51	0.036	15.51	0.036
3	QPSK	8	4	15.56	0.036	15.59	0.036	15.60	0.036
3	QPSK	8	7	15.51	0.036	15.59	0.036	15.53	0.036
3	QPSK	15	0	15.50	0.035	15.58	0.036	15.44	0.035
3	16QAM	1	0	15.51	0.036	15.87	0.039	15.46	0.035
3	16QAM	1	8	15.71	0.037	15.69	0.037	15.64	0.037
3	16QAM	1	14	15.54	0.036	15.59	0.036	15.45	0.035
3	16QAM	8	0	15.51	0.036	15.40	0.035	15.43	0.035
3	16QAM	8	4	15.56	0.036	15.53	0.036	15.64	0.037
3	16QAM	8	7	15.40	0.035	15.43	0.035	15.49	0.035
3	16QAM	15	0	15.38	0.035	15.31	0.034	15.30	0.034
3	64QAM	1	0	14.24	0.027	14.58	0.029	14.57	0.029
3	64QAM	1	8	14.53	0.028	14.43	0.028	14.44	0.028
3	64QAM	1	14	14.46	0.028	14.31	0.027	14.42	0.028
3	64QAM	8	0	14.13	0.026	14.21	0.026	14.12	0.026
3	64QAM	8	4	14.22	0.026	14.26	0.027	14.25	0.027
3	64QAM	8	7	14.21	0.026	14.13	0.026	14.28	0.027
3	64QAM	15	0	14.20	0.026	14.22	0.026	14.14	0.026



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	16.33	0.043	16.50	0.045	16.30	0.043
1.4	QPSK	1	3	16.44	0.044	16.43	0.044	16.45	0.044
1.4	QPSK	1	5	16.33	0.043	16.38	0.043	16.34	0.043
1.4	QPSK	3	0	16.28	0.042	16.41	0.044	16.39	0.044
1.4	QPSK	3	1	16.49	0.045	16.49	0.045	16.16	0.041
1.4	QPSK	3	3	16.44	0.044	16.46	0.044	16.42	0.044
1.4	QPSK	6	0	15.50	0.035	15.47	0.035	15.45	0.035
1.4	16QAM	1	0	15.54	0.036	15.48	0.035	15.33	0.034
1.4	16QAM	1	3	15.35	0.034	15.78	0.038	15.45	0.035
1.4	16QAM	1	5	15.47	0.035	15.48	0.035	15.47	0.035
1.4	16QAM	3	0	15.31	0.034	15.34	0.034	15.35	0.034
1.4	16QAM	3	1	15.47	0.035	15.55	0.036	15.39	0.035
1.4	16QAM	3	3	15.30	0.034	15.44	0.035	15.44	0.035
1.4	16QAM	6	0	15.23	0.033	15.43	0.035	15.33	0.034
1.4	64QAM	1	0	14.08	0.026	14.23	0.026	14.07	0.026
1.4	64QAM	1	3	14.20	0.026	14.13	0.026	14.18	0.026
1.4	64QAM	1	5	14.36	0.027	14.39	0.027	14.35	0.027
1.4	64QAM	3	0	14.26	0.027	14.27	0.027	14.10	0.026
1.4	64QAM	3	1	14.24	0.027	14.48	0.028	14.33	0.027
1.4	64QAM	3	3	14.26	0.027	14.10	0.026	14.26	0.027
1.4	64QAM	6	0	14.22	0.026	14.23	0.026	14.10	0.026



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	16.53	0.045	16.56	0.045	16.53	0.045
10	QPSK	1	25	16.41	0.044	16.37	0.043	16.43	0.044
10	QPSK	1	49	16.34	0.043	16.37	0.043	16.32	0.043
10	QPSK	25	0	15.64	0.037	15.70	0.037	15.62	0.036
10	QPSK	25	12	15.49	0.035	15.43	0.035	15.57	0.036
10	QPSK	25	25	15.47	0.035	15.47	0.035	15.56	0.036
10	QPSK	50	0	15.60	0.036	15.47	0.035	15.48	0.035
10	16QAM	1	0	15.33	0.034	15.52	0.036	15.66	0.037
10	16QAM	1	25	15.54	0.036	15.83	0.038	15.67	0.037
10	16QAM	1	49	15.50	0.035	15.75	0.038	15.80	0.038
10	16QAM	25	0	15.44	0.035	15.68	0.037	15.67	0.037
10	16QAM	25	12	15.50	0.035	15.65	0.037	15.63	0.037
10	16QAM	25	25	15.33	0.034	15.59	0.036	15.64	0.037
10	16QAM	50	0	15.37	0.034	15.66	0.037	15.63	0.037
10	64QAM	1	0	14.34	0.027	14.67	0.029	14.35	0.027
10	64QAM	1	25	14.57	0.029	14.47	0.028	14.37	0.027
10	64QAM	1	49	14.31	0.027	14.34	0.027	14.34	0.027
10	64QAM	25	0	14.49	0.028	14.66	0.029	14.64	0.029
10	64QAM	25	12	14.41	0.028	14.49	0.028	14.66	0.029
10	64QAM	25	25	14.35	0.027	14.56	0.029	14.72	0.030
10	64QAM	50	0	14.42	0.028	14.65	0.029	14.66	0.029



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	16.47	0.044	16.43	0.044	16.39	0.044
5	QPSK	1	12	16.46	0.044	16.42	0.044	16.41	0.044
5	QPSK	1	24	16.38	0.043	16.44	0.044	16.43	0.044
5	QPSK	12	0	15.54	0.036	15.72	0.037	15.88	0.039
5	QPSK	12	7	15.66	0.037	15.75	0.038	15.83	0.038
5	QPSK	12	13	15.49	0.035	15.77	0.038	15.83	0.038
5	QPSK	25	0	15.52	0.036	15.69	0.037	15.82	0.038
5	16QAM	1	0	16.00	0.040	16.05	0.040	15.77	0.038
5	16QAM	1	12	16.17	0.041	15.73	0.037	16.10	0.041
5	16QAM	1	24	16.01	0.040	16.06	0.040	16.22	0.042
5	16QAM	12	0	15.45	0.035	15.48	0.035	15.69	0.037
5	16QAM	12	7	15.45	0.035	15.52	0.036	15.64	0.037
5	16QAM	12	13	15.36	0.034	15.61	0.036	15.64	0.037
5	16QAM	25	0	15.46	0.035	15.58	0.036	15.62	0.036
5	64QAM	1	0	14.26	0.027	14.27	0.027	14.27	0.027
5	64QAM	1	12	14.30	0.027	14.27	0.027	14.35	0.027
5	64QAM	1	24	14.35	0.027	14.35	0.027	14.27	0.027
5	64QAM	12	0	14.41	0.028	14.46	0.028	14.70	0.030
5	64QAM	12	7	14.54	0.028	14.62	0.029	14.56	0.029
5	64QAM	12	13	14.39	0.027	14.57	0.029	14.59	0.029
5	64QAM	25	0	14.36	0.027	14.55	0.029	14.71	0.030



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26865		26915		26965	
Frequency (MHz)				831.5		836.5		841.5	
				dbm	W	dbm	W	dbm	W
15	QPSK	1	0	17.44	0.055	17.32	0.054	17.41	0.055
15	QPSK	1	37	17.35	0.054	17.28	0.053	17.41	0.055
15	QPSK	1	74	17.34	0.054	17.25	0.053	17.36	0.054
15	QPSK	36	0	16.80	0.048	16.72	0.047	16.68	0.047
15	QPSK	36	20	16.55	0.045	16.45	0.044	16.40	0.044
15	QPSK	36	39	16.42	0.044	16.31	0.043	16.48	0.044
15	QPSK	75	0	16.43	0.044	16.40	0.044	16.50	0.045
15	16QAM	1	0	16.56	0.045	16.44	0.044	16.84	0.048
15	16QAM	1	37	16.48	0.044	16.40	0.044	16.62	0.046
15	16QAM	1	74	16.41	0.044	16.30	0.043	16.42	0.044
15	16QAM	36	0	16.38	0.043	16.26	0.042	16.41	0.044
15	16QAM	36	20	16.27	0.042	16.26	0.042	16.42	0.044
15	16QAM	36	39	16.34	0.043	16.27	0.042	16.42	0.044
15	16QAM	75	0	16.44	0.044	16.32	0.043	16.44	0.044
15	64QAM	1	0	15.71	0.037	15.62	0.036	15.53	0.036
15	64QAM	1	37	15.53	0.036	15.52	0.036	15.63	0.037
15	64QAM	1	74	15.49	0.035	15.42	0.035	15.81	0.038
15	64QAM	36	0	15.70	0.037	15.69	0.037	15.69	0.037
15	64QAM	36	20	15.70	0.037	15.69	0.037	15.61	0.036
15	64QAM	36	39	15.76	0.038	15.69	0.037	15.52	0.036
15	64QAM	75	0	15.73	0.037	15.69	0.037	15.66	0.037



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26840		26915		26990	
Frequency (MHz)				829.0		836.5		844.0	
				dbm	W	dbm	W	dbm	W
10	QPSK	1	0	17.30	0.054	17.23	0.053	17.33	0.054
10	QPSK	1	25	17.20	0.052	17.19	0.052	17.27	0.053
10	QPSK	1	49	17.21	0.053	17.21	0.053	17.26	0.053
10	QPSK	25	0	16.31	0.043	16.32	0.043	16.41	0.044
10	QPSK	25	12	16.28	0.042	16.25	0.042	16.31	0.043
10	QPSK	25	25	16.36	0.043	16.32	0.043	16.38	0.043
10	QPSK	50	0	16.32	0.043	16.37	0.043	16.40	0.044
10	16QAM	1	0	16.39	0.044	16.42	0.044	16.51	0.045
10	16QAM	1	25	16.55	0.045	16.61	0.046	16.65	0.046
10	16QAM	1	49	16.32	0.043	16.34	0.043	16.42	0.044
10	16QAM	25	0	16.78	0.048	16.81	0.048	16.89	0.049
10	16QAM	25	12	16.63	0.046	16.70	0.047	16.71	0.047
10	16QAM	25	25	16.47	0.044	16.55	0.045	16.58	0.045
10	16QAM	50	0	16.69	0.047	16.58	0.045	16.70	0.047
10	64QAM	1	0	15.52	0.036	15.51	0.036	15.61	0.036
10	64QAM	1	25	15.62	0.036	15.52	0.036	15.63	0.037
10	64QAM	1	49	15.51	0.036	15.56	0.036	15.60	0.036
10	64QAM	25	0	15.59	0.036	15.62	0.036	15.68	0.037
10	64QAM	25	12	15.58	0.036	15.57	0.036	15.67	0.037
10	64QAM	25	25	15.42	0.035	15.46	0.035	15.50	0.035
10	64QAM	50	0	15.59	0.036	15.52	0.036	15.64	0.037





LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26815		26915		27015	
Frequency (MHz)				826.5		836.5		846.5	
				dbm	W	dbm	W	dbm	W
5	QPSK	1	0	17.23	0.053	17.31	0.054	17.32	0.054
5	QPSK	1	12	17.23	0.053	17.30	0.054	17.32	0.054
5	QPSK	1	24	17.28	0.053	17.23	0.053	17.34	0.054
5	QPSK	12	0	16.35	0.043	16.33	0.043	16.39	0.044
5	QPSK	12	7	16.42	0.044	16.39	0.044	16.49	0.045
5	QPSK	12	13	16.28	0.042	16.31	0.043	16.38	0.043
5	QPSK	25	0	16.49	0.045	16.55	0.045	16.57	0.045
5	16QAM	1	0	16.41	0.044	16.33	0.043	16.43	0.044
5	16QAM	1	12	16.23	0.042	16.29	0.043	16.33	0.043
5	16QAM	1	24	16.54	0.045	16.54	0.045	16.56	0.045
5	16QAM	12	0	16.52	0.045	16.53	0.045	16.59	0.046
5	16QAM	12	7	16.33	0.043	16.28	0.042	16.35	0.043
5	16QAM	12	13	16.36	0.043	16.28	0.042	16.40	0.044
5	16QAM	25	0	16.40	0.044	16.32	0.043	16.42	0.044
5	64QAM	1	0	15.58	0.036	15.50	0.035	15.60	0.036
5	64QAM	1	12	15.60	0.036	15.59	0.036	15.61	0.036
5	64QAM	1	24	15.52	0.036	15.57	0.036	15.60	0.036
5	64QAM	12	0	15.43	0.035	15.42	0.035	15.51	0.036
5	64QAM	12	7	15.44	0.035	15.42	0.035	15.52	0.036
5	64QAM	12	13	15.34	0.034	15.42	0.035	15.44	0.035
5	64QAM	25	0	15.47	0.035	15.42	0.035	15.50	0.035



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26805		26915		27025	
Frequency (MHz)				825.5		836.5		847.5	
				dbm	W	dbm	W	dbm	W
3	QPSK	1	0	17.30	0.054	17.34	0.054	17.37	0.055
3	QPSK	1	8	17.16	0.052	17.22	0.053	17.26	0.053
3	QPSK	1	14	17.22	0.053	17.26	0.053	17.33	0.054
3	QPSK	8	0	16.49	0.045	16.59	0.046	16.61	0.046
3	QPSK	8	4	16.31	0.043	16.34	0.043	16.38	0.043
3	QPSK	8	7	16.51	0.045	16.49	0.045	16.59	0.046
3	QPSK	15	0	16.40	0.044	16.40	0.044	16.50	0.045
3	16QAM	1	0	16.58	0.045	16.59	0.046	16.66	0.046
3	16QAM	1	8	16.52	0.045	16.55	0.045	16.62	0.046
3	16QAM	1	14	16.49	0.045	16.48	0.044	16.53	0.045
3	16QAM	8	0	16.45	0.044	16.36	0.043	16.47	0.044
3	16QAM	8	4	16.33	0.043	16.30	0.043	16.42	0.044
3	16QAM	8	7	16.36	0.043	16.29	0.043	16.38	0.043
3	16QAM	15	0	16.46	0.044	16.47	0.044	16.51	0.045
3	64QAM	1	0	15.61	0.036	15.69	0.037	15.72	0.037
3	64QAM	1	8	15.58	0.036	15.53	0.036	15.63	0.037
3	64QAM	1	14	15.77	0.038	15.76	0.038	15.79	0.038
3	64QAM	8	0	15.50	0.035	15.53	0.036	15.57	0.036
3	64QAM	8	4	15.45	0.035	15.50	0.035	15.57	0.036
3	64QAM	8	7	15.48	0.035	15.45	0.035	15.56	0.036
3	64QAM	15	0	15.51	0.036	15.45	0.035	15.54	0.036



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26797		26915		27033	
Frequency (MHz)				824.7		836.5		848.3	
				dbm	W	dbm	W	dbm	W
1.4	QPSK	1	0	17.23	0.053	17.30	0.054	17.32	0.054
1.4	QPSK	1	3	17.23	0.053	17.12	0.052	17.24	0.053
1.4	QPSK	1	5	17.11	0.051	17.15	0.052	17.23	0.053
1.4	QPSK	3	0	17.17	0.052	17.20	0.052	17.25	0.053
1.4	QPSK	3	1	17.19	0.052	17.23	0.053	17.31	0.054
1.4	QPSK	3	3	17.23	0.053	17.22	0.053	17.34	0.054
1.4	QPSK	6	0	16.49	0.045	16.53	0.045	16.61	0.046
1.4	16QAM	1	0	16.47	0.044	16.44	0.044	16.48	0.044
1.4	16QAM	1	3	16.40	0.044	16.35	0.043	16.42	0.044
1.4	16QAM	1	5	16.45	0.044	16.43	0.044	16.52	0.045
1.4	16QAM	3	0	16.54	0.045	16.49	0.045	16.59	0.046
1.4	16QAM	3	1	16.40	0.044	16.47	0.044	16.50	0.045
1.4	16QAM	3	3	16.28	0.042	16.30	0.043	16.31	0.043
1.4	16QAM	6	0	16.79	0.048	16.82	0.048	16.89	0.049
1.4	64QAM	1	0	15.82	0.038	15.73	0.037	15.85	0.038
1.4	64QAM	1	3	15.86	0.039	15.82	0.038	15.89	0.039
1.4	64QAM	1	5	15.91	0.039	15.90	0.039	15.93	0.039
1.4	64QAM	3	0	15.78	0.038	15.80	0.038	15.89	0.039
1.4	64QAM	3	1	15.81	0.038	15.82	0.038	15.85	0.038
1.4	64QAM	3	3	15.75	0.038	15.79	0.038	15.80	0.038
1.4	64QAM	6	0	15.47	0.035	15.53	0.036	15.56	0.036



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37850		38000		38150	
Frequency (MHz)				2580		2595		2610	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.77	0.238	23.84	0.242	23.81	0.240
20	QPSK	1	49	23.76	0.238	23.78	0.239	23.78	0.239
20	QPSK	1	99	23.68	0.233	23.74	0.237	23.71	0.235
20	QPSK	50	0	22.88	0.194	23.10	0.204	22.96	0.198
20	QPSK	50	24	22.81	0.191	22.88	0.194	22.84	0.192
20	QPSK	50	50	22.85	0.193	22.90	0.195	22.84	0.192
20	QPSK	100	0	22.73	0.187	22.84	0.192	22.87	0.194
20	16QAM	1	0	22.85	0.193	22.85	0.193	22.78	0.190
20	16QAM	1	49	22.84	0.192	22.44	0.175	22.84	0.192
20	16QAM	1	99	23.00	0.200	22.99	0.199	23.10	0.204
20	16QAM	50	0	22.85	0.193	22.99	0.199	22.60	0.182
20	16QAM	50	24	22.96	0.198	22.78	0.190	22.69	0.186
20	16QAM	50	50	22.95	0.197	22.59	0.182	22.63	0.183
20	16QAM	100	0	22.96	0.198	22.99	0.199	22.65	0.184
20	64QAM	1	0	22.12	0.163	22.40	0.174	22.43	0.175
20	64QAM	1	49	22.12	0.163	22.31	0.170	22.41	0.174
20	64QAM	1	99	22.14	0.164	22.41	0.174	22.45	0.176
20	64QAM	50	0	22.13	0.163	22.12	0.163	22.01	0.159
20	64QAM	50	24	22.15	0.164	22.11	0.163	22.10	0.162
20	64QAM	50	50	22.13	0.163	21.90	0.155	22.12	0.163
20	64QAM	100	0	22.13	0.163	22.09	0.162	22.00	0.158



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37825		38000		38175	
Frequency (MHz)				2577.5		2595		2612.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.74	0.237	23.74	0.237	23.75	0.237
15	QPSK	1	37	23.75	0.237	23.67	0.233	23.78	0.239
15	QPSK	1	74	23.56	0.227	23.78	0.239	23.75	0.237
15	QPSK	36	0	22.87	0.194	23.12	0.205	23.16	0.207
15	QPSK	36	20	23.01	0.200	23.10	0.204	23.06	0.202
15	QPSK	36	39	23.08	0.203	23.06	0.202	22.99	0.199
15	QPSK	75	0	22.96	0.198	22.96	0.198	22.97	0.198
15	16QAM	1	0	23.04	0.201	23.06	0.202	22.96	0.198
15	16QAM	1	37	23.06	0.202	23.10	0.204	22.78	0.190
15	16QAM	1	74	23.07	0.203	22.97	0.198	22.77	0.189
15	16QAM	36	0	22.84	0.192	22.80	0.191	22.69	0.186
15	16QAM	36	20	22.82	0.191	22.96	0.198	22.73	0.187
15	16QAM	36	39	22.84	0.192	22.86	0.193	22.71	0.187
15	16QAM	75	0	22.80	0.191	22.75	0.188	22.69	0.186
15	64QAM	1	0	22.26	0.168	22.15	0.164	22.31	0.170
15	64QAM	1	37	22.14	0.164	22.15	0.164	22.13	0.163
15	64QAM	1	74	22.09	0.162	22.17	0.165	22.34	0.171
15	64QAM	36	0	22.01	0.159	22.16	0.164	22.09	0.162
15	64QAM	36	20	22.29	0.169	22.15	0.164	22.03	0.160
15	64QAM	36	39	22.13	0.163	22.13	0.163	22.14	0.164
15	64QAM	75	0	22.31	0.170	22.13	0.163	22.17	0.165



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37800		38000		38200	
Frequency (MHz)				2575		2595		2615	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.77	0.238	23.78	0.239	23.78	0.239
10	QPSK	1	25	23.77	0.238	23.57	0.228	23.77	0.238
10	QPSK	1	49	23.71	0.235	23.73	0.236	23.76	0.238
10	QPSK	25	0	22.86	0.193	22.72	0.187	22.72	0.187
10	QPSK	25	12	23.06	0.202	23.02	0.200	22.73	0.187
10	QPSK	25	25	23.07	0.203	23.09	0.204	22.69	0.186
10	QPSK	50	0	23.08	0.203	23.00	0.200	22.72	0.187
10	16QAM	1	0	22.94	0.197	22.71	0.187	23.02	0.200
10	16QAM	1	25	22.82	0.191	22.72	0.187	23.12	0.205
10	16QAM	1	49	23.19	0.208	22.75	0.188	22.84	0.192
10	16QAM	25	0	22.69	0.186	22.80	0.191	22.76	0.189
10	16QAM	25	12	22.99	0.199	22.69	0.186	22.82	0.191
10	16QAM	25	25	22.69	0.186	22.83	0.192	22.88	0.194
10	16QAM	50	0	22.81	0.191	22.85	0.193	22.77	0.189
10	64QAM	1	0	22.16	0.164	22.19	0.166	22.12	0.163
10	64QAM	1	25	22.07	0.161	22.32	0.171	22.22	0.167
10	64QAM	1	49	22.43	0.175	22.17	0.165	22.22	0.167
10	64QAM	25	0	22.02	0.159	22.02	0.159	22.12	0.163
10	64QAM	25	12	22.02	0.159	22.22	0.167	22.23	0.167
10	64QAM	25	25	21.98	0.158	22.18	0.165	22.14	0.164
10	64QAM	50	0	22.04	0.160	22.20	0.166	22.10	0.162



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37775		38000		38225	
Frequency (MHz)				2572.5		2595		2617.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.72	0.236	23.73	0.236	23.76	0.238
5	QPSK	1	12	23.57	0.228	23.78	0.239	23.76	0.238
5	QPSK	1	24	23.57	0.228	23.56	0.227	23.55	0.226
5	QPSK	12	0	22.99	0.199	23.47	0.222	23.06	0.202
5	QPSK	12	7	23.13	0.206	23.12	0.205	23.12	0.205
5	QPSK	12	13	23.01	0.200	23.03	0.201	23.05	0.202
5	QPSK	25	0	23.05	0.202	23.06	0.202	22.72	0.187
5	16QAM	1	0	23.23	0.210	23.34	0.216	23.24	0.211
5	16QAM	1	12	22.84	0.192	23.02	0.200	22.72	0.187
5	16QAM	1	24	22.84	0.192	22.85	0.193	22.84	0.192
5	16QAM	12	0	22.85	0.193	22.90	0.195	22.84	0.192
5	16QAM	12	7	22.84	0.192	22.86	0.193	22.84	0.192
5	16QAM	12	13	22.75	0.188	22.87	0.194	22.84	0.192
5	16QAM	25	0	23.02	0.200	22.74	0.188	22.92	0.196
5	64QAM	1	0	22.13	0.163	22.46	0.176	22.07	0.161
5	64QAM	1	12	22.40	0.174	22.40	0.174	22.47	0.177
5	64QAM	1	24	22.40	0.174	22.40	0.174	22.37	0.173
5	64QAM	12	0	22.08	0.161	22.20	0.166	22.16	0.164
5	64QAM	12	7	22.17	0.165	22.18	0.165	22.09	0.162
5	64QAM	12	13	22.16	0.164	22.19	0.166	22.06	0.161
5	64QAM	25	0	22.20	0.166	22.22	0.167	22.13	0.163



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40090		40640		41190	
Frequency (MHz)				2540		2595		2650	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.75	0.237	23.87	0.244	23.81	0.240
20	QPSK	1	49	23.71	0.235	23.80	0.240	23.81	0.240
20	QPSK	1	99	23.65	0.232	23.76	0.238	23.61	0.230
20	QPSK	50	0	22.91	0.195	22.97	0.198	22.90	0.195
20	QPSK	50	24	22.91	0.195	22.74	0.188	22.71	0.187
20	QPSK	50	50	22.94	0.197	22.79	0.190	22.85	0.193
20	QPSK	100	0	22.91	0.195	22.85	0.193	22.75	0.188
20	16QAM	1	0	22.95	0.197	22.78	0.190	22.75	0.188
20	16QAM	1	49	22.94	0.197	22.78	0.190	22.75	0.188
20	16QAM	1	99	23.01	0.200	22.85	0.193	22.85	0.193
20	16QAM	50	0	22.92	0.196	22.78	0.190	22.75	0.188
20	16QAM	50	24	22.90	0.195	22.75	0.188	22.75	0.188
20	16QAM	50	50	22.96	0.198	23.21	0.209	22.85	0.193
20	16QAM	100	0	22.90	0.195	23.16	0.207	22.74	0.188
20	64QAM	1	0	22.33	0.171	22.24	0.167	22.03	0.160
20	64QAM	1	49	22.26	0.168	22.06	0.161	22.03	0.160
20	64QAM	1	99	22.16	0.164	22.02	0.159	21.99	0.158
20	64QAM	50	0	22.12	0.163	22.05	0.160	22.09	0.162
20	64QAM	50	24	21.97	0.157	22.12	0.163	22.02	0.159
20	64QAM	50	50	22.07	0.161	22.26	0.168	22.08	0.161
20	64QAM	100	0	22.05	0.160	22.29	0.169	22.09	0.162





LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40065		40640		41215	
Frequency (MHz)				2537.5		2595		2652.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.41	0.219	23.77	0.238	23.63	0.231
15	QPSK	1	37	23.40	0.219	23.81	0.240	23.74	0.237
15	QPSK	1	74	23.40	0.219	23.74	0.237	23.54	0.226
15	QPSK	36	0	22.57	0.181	22.76	0.189	23.57	0.228
15	QPSK	36	20	22.82	0.191	22.76	0.189	23.64	0.231
15	QPSK	36	39	22.98	0.199	22.75	0.188	23.59	0.229
15	QPSK	75	0	22.76	0.189	22.78	0.190	23.56	0.227
15	16QAM	1	0	22.70	0.186	23.15	0.207	22.95	0.197
15	16QAM	1	37	22.91	0.195	22.72	0.187	22.96	0.198
15	16QAM	1	74	22.87	0.194	22.29	0.169	22.58	0.181
15	16QAM	36	0	22.74	0.188	22.69	0.186	23.03	0.201
15	16QAM	36	20	22.79	0.190	22.65	0.184	23.05	0.202
15	16QAM	36	39	22.86	0.193	23.15	0.207	22.81	0.191
15	16QAM	75	0	22.77	0.189	22.63	0.183	22.41	0.174
15	64QAM	1	0	22.15	0.164	22.29	0.169	22.43	0.175
15	64QAM	1	37	22.43	0.175	22.43	0.175	21.55	0.143
15	64QAM	1	74	22.40	0.174	22.22	0.167	21.28	0.134
15	64QAM	36	0	21.84	0.153	22.00	0.158	21.92	0.156
15	64QAM	36	20	21.99	0.158	22.44	0.175	21.93	0.156
15	64QAM	36	39	21.94	0.156	22.41	0.174	22.02	0.159
15	64QAM	75	0	21.92	0.156	22.41	0.174	21.94	0.156



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40090		40640		41190	
Frequency (MHz)				2540		2595		2650	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.45	0.221	23.74	0.237	23.61	0.230
10	QPSK	1	25	23.65	0.232	23.61	0.230	23.56	0.227
10	QPSK	1	49	23.42	0.220	23.81	0.240	23.57	0.228
10	QPSK	25	0	22.73	0.187	23.04	0.201	22.81	0.191
10	QPSK	25	12	22.81	0.191	22.93	0.196	22.81	0.191
10	QPSK	25	25	22.85	0.193	22.88	0.194	23.17	0.207
10	QPSK	50	0	22.90	0.195	22.96	0.198	22.41	0.174
10	16QAM	1	0	22.76	0.189	22.82	0.191	22.61	0.182
10	16QAM	1	25	22.94	0.197	22.97	0.198	22.65	0.184
10	16QAM	1	49	22.80	0.191	22.89	0.195	22.80	0.191
10	16QAM	25	0	22.80	0.191	23.03	0.201	22.46	0.176
10	16QAM	25	12	22.93	0.196	22.89	0.195	22.22	0.167
10	16QAM	25	25	22.90	0.195	23.01	0.200	22.73	0.187
10	16QAM	50	0	22.88	0.194	22.95	0.197	22.49	0.177
10	64QAM	1	0	21.78	0.151	21.74	0.149	22.14	0.164
10	64QAM	1	25	21.81	0.152	21.91	0.155	22.09	0.162
10	64QAM	1	49	21.79	0.151	21.78	0.151	21.90	0.155
10	64QAM	25	0	21.86	0.153	21.99	0.158	22.06	0.161
10	64QAM	25	12	21.89	0.155	21.88	0.154	21.81	0.152
10	64QAM	25	25	21.98	0.158	21.97	0.157	22.04	0.160
10	64QAM	50	0	21.94	0.156	22.02	0.159	22.10	0.162



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40065		40640		41215	
Frequency (MHz)				2537.5		2595		2652.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.54	0.226	23.74	0.237	23.52	0.225
5	QPSK	1	12	23.53	0.225	23.61	0.230	23.56	0.227
5	QPSK	1	24	23.66	0.232	23.71	0.235	23.57	0.228
5	QPSK	12	0	22.75	0.188	22.93	0.196	22.73	0.187
5	QPSK	12	7	22.83	0.192	23.26	0.212	22.95	0.197
5	QPSK	12	13	22.77	0.189	23.00	0.200	23.01	0.200
5	QPSK	25	0	22.80	0.191	23.01	0.200	22.94	0.197
5	16QAM	1	0	23.04	0.201	23.02	0.200	22.85	0.193
5	16QAM	1	12	22.65	0.184	23.19	0.208	22.75	0.188
5	16QAM	1	24	22.51	0.178	23.00	0.200	23.01	0.200
5	16QAM	12	0	22.69	0.186	22.86	0.193	22.81	0.191
5	16QAM	12	7	22.81	0.191	22.96	0.198	22.94	0.197
5	16QAM	12	13	22.87	0.194	22.86	0.193	22.73	0.187
5	16QAM	25	0	22.79	0.190	22.94	0.197	22.71	0.187
5	64QAM	1	0	22.34	0.171	22.46	0.176	22.04	0.160
5	64QAM	1	12	22.34	0.171	22.39	0.173	22.00	0.158
5	64QAM	1	24	22.19	0.166	22.32	0.171	22.33	0.171
5	64QAM	12	0	22.14	0.164	21.92	0.156	22.00	0.158
5	64QAM	12	7	22.15	0.164	22.14	0.164	22.08	0.161
5	64QAM	12	13	22.13	0.163	21.93	0.156	21.99	0.158
5	64QAM	25	0	21.87	0.154	21.99	0.158	21.81	0.152



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	21.50	0.141	21.56	0.143	21.54	0.143
20	QPSK	1	49	21.35	0.136	21.34	0.136	21.30	0.135
20	QPSK	1	99	21.28	0.134	21.27	0.134	21.30	0.135
20	QPSK	50	0	20.73	0.118	20.80	0.120	20.76	0.119
20	QPSK	50	24	20.54	0.113	20.56	0.114	20.69	0.117
20	QPSK	50	50	20.58	0.114	20.66	0.116	20.54	0.113
20	QPSK	100	0	20.56	0.114	20.56	0.114	20.48	0.112
20	16QAM	1	0	20.61	0.115	20.37	0.109	20.65	0.116
20	16QAM	1	49	20.66	0.116	20.40	0.110	20.46	0.111
20	16QAM	1	99	20.66	0.116	20.84	0.121	20.63	0.116
20	16QAM	50	0	20.78	0.120	20.75	0.119	20.72	0.118
20	16QAM	50	24	20.67	0.117	20.67	0.117	20.68	0.117
20	16QAM	50	50	20.64	0.116	20.56	0.114	20.52	0.113
20	16QAM	100	0	20.60	0.115	20.63	0.116	20.69	0.117
20	64QAM	1	0	19.93	0.098	19.70	0.093	20.03	0.101
20	64QAM	1	49	19.70	0.093	20.03	0.101	20.02	0.100
20	64QAM	1	99	19.93	0.098	20.05	0.101	20.13	0.103
20	64QAM	50	0	19.89	0.097	19.79	0.095	19.92	0.098
20	64QAM	50	24	19.83	0.096	19.77	0.095	19.89	0.097
20	64QAM	50	50	19.85	0.097	19.73	0.094	19.79	0.095
20	64QAM	100	0	19.84	0.096	19.84	0.096	19.82	0.096



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	21.48	0.141	21.52	0.142	21.50	0.141
15	QPSK	1	37	21.52	0.142	21.48	0.141	21.46	0.140
15	QPSK	1	74	21.46	0.140	21.42	0.139	21.40	0.138
15	QPSK	36	0	20.67	0.117	20.64	0.116	20.68	0.117
15	QPSK	36	20	20.67	0.117	20.59	0.115	20.69	0.117
15	QPSK	36	39	20.53	0.113	20.58	0.114	20.55	0.114
15	QPSK	75	0	20.62	0.115	20.66	0.116	20.59	0.115
15	16QAM	1	0	20.61	0.115	20.48	0.112	20.78	0.120
15	16QAM	1	37	20.48	0.112	20.78	0.120	20.71	0.118
15	16QAM	1	74	20.58	0.114	20.48	0.112	20.48	0.112
15	16QAM	36	0	20.79	0.120	20.79	0.120	20.70	0.117
15	16QAM	36	20	20.82	0.121	20.81	0.121	20.87	0.122
15	16QAM	36	39	20.74	0.119	20.89	0.123	20.83	0.121
15	16QAM	75	0	20.84	0.121	20.82	0.121	20.78	0.120
15	64QAM	1	0	20.15	0.104	20.05	0.101	20.15	0.104
15	64QAM	1	37	20.17	0.104	19.95	0.099	20.05	0.101
15	64QAM	1	74	19.82	0.096	20.08	0.102	20.15	0.104
15	64QAM	36	0	19.94	0.099	19.93	0.098	20.06	0.101
15	64QAM	36	20	20.04	0.101	20.00	0.100	20.01	0.100
15	64QAM	36	39	19.93	0.098	19.87	0.097	19.91	0.098
15	64QAM	75	0	19.95	0.099	19.97	0.099	19.94	0.099



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	21.51	0.142	21.51	0.142	21.52	0.142
10	QPSK	1	25	21.41	0.138	21.39	0.138	21.47	0.140
10	QPSK	1	49	21.55	0.143	21.43	0.139	21.33	0.136
10	QPSK	25	0	20.98	0.125	20.91	0.123	20.98	0.125
10	QPSK	25	12	20.95	0.124	21.14	0.130	20.92	0.124
10	QPSK	25	25	20.91	0.123	20.87	0.122	20.79	0.120
10	QPSK	50	0	20.99	0.126	20.84	0.121	21.03	0.127
10	16QAM	1	0	20.91	0.123	20.91	0.123	21.11	0.129
10	16QAM	1	25	20.91	0.123	21.00	0.126	21.12	0.129
10	16QAM	1	49	20.74	0.119	20.94	0.124	20.82	0.121
10	16QAM	25	0	20.75	0.119	20.92	0.124	20.80	0.120
10	16QAM	25	12	20.74	0.119	20.94	0.124	20.85	0.122
10	16QAM	25	25	20.65	0.116	20.70	0.117	20.70	0.117
10	16QAM	50	0	20.81	0.121	20.85	0.122	20.86	0.122
10	64QAM	1	0	19.98	0.100	19.98	0.100	19.65	0.092
10	64QAM	1	25	19.65	0.092	19.78	0.095	19.68	0.093
10	64QAM	1	49	19.65	0.092	19.65	0.092	19.65	0.092
10	64QAM	25	0	19.98	0.100	19.96	0.099	19.98	0.100
10	64QAM	25	12	19.97	0.099	20.01	0.100	20.05	0.101
10	64QAM	25	25	19.97	0.099	19.90	0.098	19.92	0.098
10	64QAM	50	0	19.87	0.097	19.97	0.099	19.98	0.100



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	21.40	0.138	21.43	0.139	21.48	0.141
5	QPSK	1	12	21.43	0.139	21.43	0.139	21.42	0.139
5	QPSK	1	24	21.51	0.142	21.41	0.138	21.47	0.140
5	QPSK	12	0	20.67	0.117	20.69	0.117	20.65	0.116
5	QPSK	12	7	20.69	0.117	20.77	0.119	20.70	0.117
5	QPSK	12	13	20.55	0.114	20.61	0.115	20.62	0.115
5	QPSK	25	0	20.65	0.116	20.66	0.116	20.65	0.116
5	16QAM	1	0	21.14	0.130	20.83	0.121	20.84	0.121
5	16QAM	1	12	20.77	0.119	21.06	0.128	21.01	0.126
5	16QAM	1	24	20.89	0.123	20.78	0.120	21.13	0.130
5	16QAM	12	0	20.78	0.120	20.89	0.123	20.85	0.122
5	16QAM	12	7	20.95	0.124	20.87	0.122	20.99	0.126
5	16QAM	12	13	20.86	0.122	20.80	0.120	20.87	0.122
5	16QAM	25	0	20.87	0.122	20.89	0.123	20.81	0.121
5	64QAM	1	0	19.65	0.092	20.05	0.101	19.85	0.097
5	64QAM	1	12	19.95	0.099	19.95	0.099	19.95	0.099
5	64QAM	1	24	19.78	0.095	19.82	0.096	19.78	0.095
5	64QAM	12	0	20.02	0.100	19.77	0.095	19.98	0.100
5	64QAM	12	7	20.10	0.102	19.69	0.093	20.00	0.100
5	64QAM	12	13	19.93	0.098	20.05	0.101	20.00	0.100
5	64QAM	25	0	20.00	0.100	20.08	0.102	19.95	0.099



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	21.47	0.140	21.38	0.137	21.37	0.137
3	QPSK	1	8	21.34	0.136	21.35	0.136	21.43	0.139
3	QPSK	1	14	21.25	0.133	21.06	0.128	21.36	0.137
3	QPSK	8	0	20.93	0.124	20.90	0.123	20.94	0.124
3	QPSK	8	4	20.88	0.122	20.80	0.120	20.90	0.123
3	QPSK	8	7	20.74	0.119	20.79	0.120	20.76	0.119
3	QPSK	15	0	20.83	0.121	20.87	0.122	20.80	0.120
3	16QAM	1	0	20.52	0.113	20.93	0.124	20.69	0.117
3	16QAM	1	8	20.85	0.122	20.79	0.120	20.78	0.120
3	16QAM	1	14	20.89	0.123	20.78	0.120	20.48	0.112
3	16QAM	8	0	20.70	0.117	20.70	0.117	20.61	0.115
3	16QAM	8	4	20.73	0.118	20.72	0.118	20.78	0.120
3	16QAM	8	7	20.65	0.116	20.80	0.120	20.74	0.119
3	16QAM	15	0	20.75	0.119	20.73	0.118	20.69	0.117
3	64QAM	1	0	20.06	0.101	19.96	0.099	20.06	0.101
3	64QAM	1	8	20.08	0.102	19.86	0.097	19.96	0.099
3	64QAM	1	14	19.73	0.094	19.99	0.100	20.06	0.101
3	64QAM	8	0	19.85	0.097	19.84	0.096	19.97	0.099
3	64QAM	8	4	19.95	0.099	19.91	0.098	19.92	0.098
3	64QAM	8	7	19.84	0.096	19.78	0.095	19.82	0.096
3	64QAM	15	0	19.86	0.097	19.88	0.097	19.85	0.097





LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.41	0.138	21.32	0.136	21.33	0.136
1.4	QPSK	1	3	21.47	0.140	21.49	0.141	21.49	0.141
1.4	QPSK	1	5	21.39	0.138	21.27	0.134	21.43	0.139
1.4	QPSK	3	0	21.38	0.137	21.31	0.135	21.38	0.137
1.4	QPSK	3	1	21.35	0.136	21.41	0.138	21.32	0.136
1.4	QPSK	3	3	21.36	0.137	21.32	0.136	21.24	0.133
1.4	QPSK	6	0	20.96	0.125	20.81	0.121	21.00	0.126
1.4	16QAM	1	0	20.83	0.121	20.83	0.121	21.03	0.127
1.4	16QAM	1	3	20.83	0.121	20.92	0.124	21.04	0.127
1.4	16QAM	1	5	20.66	0.116	20.86	0.122	20.74	0.119
1.4	16QAM	3	0	20.61	0.115	20.58	0.114	20.84	0.121
1.4	16QAM	3	1	20.70	0.117	20.60	0.115	20.72	0.118
1.4	16QAM	3	3	20.71	0.118	20.72	0.118	20.66	0.116
1.4	16QAM	6	0	20.60	0.115	20.51	0.112	20.52	0.113
1.4	64QAM	1	0	20.11	0.103	19.96	0.099	20.12	0.103
1.4	64QAM	1	3	19.84	0.096	19.93	0.098	19.93	0.098
1.4	64QAM	1	5	19.81	0.096	19.81	0.096	19.92	0.098
1.4	64QAM	3	0	19.90	0.098	19.88	0.097	19.90	0.098
1.4	64QAM	3	1	19.89	0.097	19.93	0.098	19.97	0.099
1.4	64QAM	3	3	19.89	0.097	19.82	0.096	19.84	0.096
1.4	64QAM	6	0	19.79	0.095	19.89	0.097	19.90	0.098



**Bottom Antenna**

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	21.00	0.126	21.03	0.127	20.97	0.125
20	QPSK	1	49	20.98	0.125	20.92	0.124	20.85	0.122
20	QPSK	1	99	20.92	0.124	20.88	0.122	20.86	0.122
20	QPSK	50	0	20.08	0.102	20.17	0.104	20.10	0.102
20	QPSK	50	24	20.09	0.102	20.14	0.103	20.14	0.103
20	QPSK	50	50	20.14	0.103	20.10	0.102	20.16	0.104
20	QPSK	100	0	20.07	0.102	20.16	0.104	20.12	0.103
20	16QAM	1	0	20.13	0.103	20.13	0.103	20.15	0.104
20	16QAM	1	49	19.97	0.099	20.27	0.106	20.23	0.105
20	16QAM	1	99	20.22	0.105	20.07	0.102	20.47	0.111
20	16QAM	50	0	20.15	0.104	20.12	0.103	20.10	0.102
20	16QAM	50	24	20.11	0.103	20.16	0.104	20.17	0.104
20	16QAM	50	50	20.19	0.104	20.16	0.104	20.23	0.105
20	16QAM	100	0	20.22	0.105	20.23	0.105	20.10	0.102
20	64QAM	1	0	19.17	0.083	19.36	0.086	19.10	0.081
20	64QAM	1	49	19.12	0.082	19.30	0.085	19.21	0.083
20	64QAM	1	99	19.07	0.081	19.40	0.087	19.40	0.087
20	64QAM	50	0	19.17	0.083	19.09	0.081	19.14	0.082
20	64QAM	50	24	19.20	0.083	19.14	0.082	19.19	0.083
20	64QAM	50	50	19.19	0.083	19.20	0.083	19.14	0.082
20	64QAM	100	0	19.07	0.081	19.04	0.080	19.05	0.080



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	20.81	0.121	20.84	0.121	20.75	0.119
15	QPSK	1	37	20.60	0.115	20.96	0.125	20.84	0.121
15	QPSK	1	74	20.97	0.125	20.89	0.123	20.97	0.125
15	QPSK	36	0	19.94	0.099	20.03	0.101	20.02	0.100
15	QPSK	36	20	19.93	0.098	20.12	0.103	20.09	0.102
15	QPSK	36	39	20.05	0.101	20.06	0.101	20.03	0.101
15	QPSK	75	0	19.97	0.099	20.03	0.101	19.99	0.100
15	16QAM	1	0	20.06	0.101	20.14	0.103	20.08	0.102
15	16QAM	1	37	20.19	0.104	20.22	0.105	20.08	0.102
15	16QAM	1	74	20.14	0.103	20.26	0.106	20.26	0.106
15	16QAM	36	0	19.93	0.098	19.98	0.100	20.01	0.100
15	16QAM	36	20	20.02	0.100	19.95	0.099	20.08	0.102
15	16QAM	36	39	20.07	0.102	20.16	0.104	20.13	0.103
15	16QAM	75	0	19.94	0.099	19.96	0.099	20.05	0.101
15	64QAM	1	0	19.14	0.082	18.90	0.078	18.96	0.079
15	64QAM	1	37	19.13	0.082	18.94	0.078	19.36	0.086
15	64QAM	1	74	19.02	0.080	19.06	0.081	19.21	0.083
15	64QAM	36	0	18.87	0.077	19.04	0.080	18.92	0.078
15	64QAM	36	20	19.07	0.081	19.09	0.081	18.99	0.079
15	64QAM	36	39	18.95	0.079	19.00	0.079	19.09	0.081
15	64QAM	75	0	18.94	0.078	19.01	0.080	19.00	0.079



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	20.85	0.122	20.84	0.121	20.94	0.124
10	QPSK	1	25	20.89	0.123	20.92	0.124	20.87	0.122
10	QPSK	1	49	20.85	0.122	20.86	0.122	20.85	0.122
10	QPSK	25	0	20.12	0.103	20.13	0.103	20.09	0.102
10	QPSK	25	12	20.08	0.102	20.20	0.105	20.13	0.103
10	QPSK	25	25	19.99	0.100	20.12	0.103	20.08	0.102
10	QPSK	50	0	20.05	0.101	20.14	0.103	20.12	0.103
10	16QAM	1	0	20.53	0.113	20.46	0.111	20.45	0.111
10	16QAM	1	25	20.22	0.105	20.18	0.104	20.25	0.106
10	16QAM	1	49	20.17	0.104	20.25	0.106	20.04	0.101
10	16QAM	25	0	20.07	0.102	20.06	0.101	20.03	0.101
10	16QAM	25	12	20.23	0.105	20.03	0.101	20.03	0.101
10	16QAM	25	25	20.03	0.101	20.23	0.105	20.33	0.108
10	16QAM	50	0	20.60	0.115	20.53	0.113	20.57	0.114
10	64QAM	1	0	19.11	0.081	19.16	0.082	19.16	0.082
10	64QAM	1	25	19.14	0.082	19.19	0.083	19.23	0.084
10	64QAM	1	49	18.81	0.076	18.94	0.078	18.91	0.078
10	64QAM	25	0	19.11	0.081	19.15	0.082	19.16	0.082
10	64QAM	25	12	19.14	0.082	19.12	0.082	19.13	0.082
10	64QAM	25	25	19.07	0.081	18.85	0.077	19.07	0.081
10	64QAM	50	0	19.08	0.081	19.08	0.081	19.05	0.080



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.85	0.122	20.90	0.123	20.84	0.121
5	QPSK	1	12	20.84	0.121	20.79	0.120	20.82	0.121
5	QPSK	1	24	20.80	0.120	20.88	0.122	20.89	0.123
5	QPSK	12	0	19.97	0.099	19.88	0.097	19.95	0.099
5	QPSK	12	7	19.98	0.100	20.03	0.101	19.95	0.099
5	QPSK	12	13	19.97	0.099	19.96	0.099	19.99	0.100
5	QPSK	25	0	19.96	0.099	19.94	0.099	19.96	0.099
5	16QAM	1	0	20.09	0.102	19.99	0.100	20.37	0.109
5	16QAM	1	12	20.07	0.102	20.00	0.100	20.37	0.109
5	16QAM	1	24	20.10	0.102	19.97	0.099	20.36	0.109
5	16QAM	12	0	20.19	0.104	20.33	0.108	20.19	0.104
5	16QAM	12	7	20.09	0.102	20.09	0.102	19.89	0.097
5	16QAM	12	13	19.89	0.097	20.22	0.105	19.99	0.100
5	16QAM	25	0	19.99	0.100	20.45	0.111	20.43	0.110
5	64QAM	1	0	19.19	0.083	18.91	0.078	18.96	0.079
5	64QAM	1	12	19.35	0.086	19.01	0.080	19.12	0.082
5	64QAM	1	24	19.36	0.086	19.00	0.079	19.02	0.080
5	64QAM	12	0	19.01	0.080	18.94	0.078	18.93	0.078
5	64QAM	12	7	19.07	0.081	18.91	0.078	18.91	0.078
5	64QAM	12	13	19.04	0.080	19.00	0.079	18.98	0.079
5	64QAM	25	0	19.11	0.081	18.91	0.078	18.98	0.079



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	20.79	0.120	20.86	0.122	20.78	0.120
3	QPSK	1	8	20.89	0.123	20.92	0.124	20.75	0.119
3	QPSK	1	14	20.90	0.123	20.77	0.119	20.77	0.119
3	QPSK	8	0	19.85	0.097	19.80	0.095	19.82	0.096
3	QPSK	8	4	19.91	0.098	19.85	0.097	19.86	0.097
3	QPSK	8	7	19.91	0.098	19.85	0.097	19.81	0.096
3	QPSK	15	0	19.83	0.096	19.91	0.098	19.84	0.096
3	16QAM	1	0	19.99	0.100	19.90	0.098	19.84	0.096
3	16QAM	1	8	20.03	0.101	19.97	0.099	19.93	0.098
3	16QAM	1	14	19.96	0.099	19.93	0.098	19.81	0.096
3	16QAM	8	0	20.39	0.109	20.52	0.113	20.44	0.111
3	16QAM	8	4	20.46	0.111	20.43	0.110	20.49	0.112
3	16QAM	8	7	20.36	0.109	20.41	0.110	20.44	0.111
3	16QAM	15	0	20.39	0.109	20.43	0.110	20.38	0.109
3	64QAM	1	0	18.92	0.078	18.85	0.077	18.88	0.077
3	64QAM	1	8	19.34	0.086	19.33	0.086	18.93	0.078
3	64QAM	1	14	18.95	0.079	19.31	0.085	18.95	0.079
3	64QAM	8	0	18.87	0.077	18.89	0.077	18.73	0.075
3	64QAM	8	4	18.97	0.079	18.87	0.077	18.87	0.077
3	64QAM	8	7	19.07	0.081	18.96	0.079	18.82	0.076
3	64QAM	15	0	18.92	0.078	18.92	0.078	18.90	0.078



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	20.85	0.122	20.88	0.122	20.83	0.121
1.4	QPSK	1	3	20.75	0.119	20.73	0.118	20.72	0.118
1.4	QPSK	1	5	20.72	0.118	20.70	0.117	20.68	0.117
1.4	QPSK	3	0	20.72	0.118	20.72	0.118	20.68	0.117
1.4	QPSK	3	1	20.76	0.119	20.73	0.118	20.71	0.118
1.4	QPSK	3	3	20.78	0.120	20.82	0.121	20.71	0.118
1.4	QPSK	6	0	19.81	0.096	19.79	0.095	19.78	0.095
1.4	16QAM	1	0	19.84	0.096	19.84	0.096	19.78	0.095
1.4	16QAM	1	3	19.80	0.095	20.00	0.100	19.98	0.100
1.4	16QAM	1	5	19.68	0.093	19.88	0.097	19.56	0.090
1.4	16QAM	3	0	19.70	0.093	19.75	0.094	19.72	0.094
1.4	16QAM	3	1	19.88	0.097	19.70	0.093	19.75	0.094
1.4	16QAM	3	3	19.90	0.098	19.87	0.097	19.61	0.091
1.4	16QAM	6	0	19.91	0.098	19.84	0.096	19.79	0.095
1.4	64QAM	1	0	18.79	0.076	18.71	0.074	18.74	0.075
1.4	64QAM	1	3	18.81	0.076	19.02	0.080	18.90	0.078
1.4	64QAM	1	5	18.79	0.076	19.14	0.082	18.73	0.075
1.4	64QAM	3	0	18.82	0.076	18.88	0.077	18.89	0.077
1.4	64QAM	3	1	18.91	0.078	18.88	0.077	19.09	0.081
1.4	64QAM	3	3	18.83	0.076	18.97	0.079	18.74	0.075
1.4	64QAM	6	0	18.88	0.077	18.91	0.078	18.80	0.076



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	21.28	0.134	21.36	0.137	21.35	0.136
20	QPSK	1	49	21.14	0.130	21.22	0.132	21.21	0.132
20	QPSK	1	99	21.06	0.128	21.19	0.132	21.31	0.135
20	QPSK	50	0	20.44	0.111	20.48	0.112	20.45	0.111
20	QPSK	50	24	20.35	0.108	20.43	0.110	20.43	0.110
20	QPSK	50	50	20.24	0.106	20.35	0.108	20.36	0.109
20	QPSK	100	0	20.34	0.108	20.38	0.109	20.45	0.111
20	16QAM	1	0	20.21	0.105	20.51	0.112	20.38	0.109
20	16QAM	1	49	20.36	0.109	20.13	0.103	20.27	0.106
20	16QAM	1	99	20.15	0.104	20.37	0.109	20.21	0.105
20	16QAM	50	0	20.34	0.108	20.27	0.106	20.41	0.110
20	16QAM	50	24	20.60	0.115	20.71	0.118	20.60	0.115
20	16QAM	50	50	20.56	0.114	20.57	0.114	20.57	0.114
20	16QAM	100	0	20.58	0.114	20.66	0.116	20.67	0.117
20	64QAM	1	0	19.32	0.086	19.43	0.088	19.65	0.092
20	64QAM	1	49	19.36	0.086	19.29	0.085	19.17	0.083
20	64QAM	1	99	19.63	0.092	19.20	0.083	19.67	0.093
20	64QAM	50	0	19.33	0.086	19.42	0.087	19.37	0.086
20	64QAM	50	24	19.35	0.086	19.46	0.088	19.40	0.087
20	64QAM	50	50	19.39	0.087	19.34	0.086	19.36	0.086
20	64QAM	100	0	19.42	0.087	19.40	0.087	19.49	0.089





LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.15	0.130	21.19	0.132	21.29	0.135
15	QPSK	1	37	21.19	0.132	21.28	0.134	21.20	0.132
15	QPSK	1	74	21.06	0.128	21.28	0.134	21.31	0.135
15	QPSK	36	0	20.29	0.107	20.36	0.109	20.39	0.109
15	QPSK	36	20	20.33	0.108	20.46	0.111	20.42	0.110
15	QPSK	36	39	20.38	0.109	20.37	0.109	20.46	0.111
15	QPSK	75	0	20.33	0.108	20.35	0.108	20.36	0.109
15	16QAM	1	0	20.27	0.106	20.49	0.112	20.21	0.105
15	16QAM	1	37	20.35	0.108	20.35	0.108	20.19	0.104
15	16QAM	1	74	20.21	0.105	20.51	0.112	20.30	0.107
15	16QAM	36	0	20.22	0.105	20.24	0.106	20.43	0.110
15	16QAM	36	20	20.17	0.104	20.24	0.106	20.30	0.107
15	16QAM	36	39	20.13	0.103	20.22	0.105	20.28	0.107
15	16QAM	75	0	20.24	0.106	20.25	0.106	20.34	0.108
15	64QAM	1	0	19.19	0.083	19.50	0.089	19.55	0.090
15	64QAM	1	37	19.61	0.091	19.37	0.086	19.43	0.088
15	64QAM	1	74	19.65	0.092	19.36	0.086	19.40	0.087
15	64QAM	36	0	19.30	0.085	19.37	0.086	19.41	0.087
15	64QAM	36	20	19.36	0.086	19.38	0.087	19.40	0.087
15	64QAM	36	39	19.39	0.087	19.35	0.086	19.37	0.086
15	64QAM	75	0	19.32	0.086	19.43	0.088	19.36	0.086



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	21.27	0.134	21.26	0.134	21.09	0.129
10	QPSK	1	25	21.25	0.133	21.18	0.131	21.19	0.132
10	QPSK	1	49	21.13	0.130	20.96	0.125	21.19	0.132
10	QPSK	25	0	20.12	0.103	20.34	0.108	20.36	0.109
10	QPSK	25	12	20.24	0.106	20.30	0.107	20.34	0.108
10	QPSK	25	25	20.13	0.103	20.24	0.106	20.31	0.107
10	QPSK	50	0	20.19	0.104	20.29	0.107	20.21	0.105
10	16QAM	1	0	20.18	0.104	20.33	0.108	20.09	0.102
10	16QAM	1	25	20.45	0.111	20.19	0.104	20.51	0.112
10	16QAM	1	49	20.52	0.113	20.42	0.110	20.41	0.110
10	16QAM	25	0	20.18	0.104	20.17	0.104	20.16	0.104
10	16QAM	25	12	20.10	0.102	20.20	0.105	20.17	0.104
10	16QAM	25	25	20.44	0.111	20.35	0.108	20.44	0.111
10	16QAM	50	0	20.38	0.109	20.42	0.110	20.54	0.113
10	64QAM	1	0	19.24	0.084	19.32	0.086	19.22	0.084
10	64QAM	1	25	19.31	0.085	19.60	0.091	19.69	0.093
10	64QAM	1	49	19.29	0.085	19.33	0.086	19.28	0.085
10	64QAM	25	0	19.13	0.082	19.27	0.085	19.26	0.084
10	64QAM	25	12	19.22	0.084	19.33	0.086	19.37	0.086
10	64QAM	25	25	19.10	0.081	19.22	0.084	19.24	0.084
10	64QAM	50	0	19.16	0.082	19.23	0.084	19.22	0.084



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.24	0.133	21.19	0.132	21.24	0.133
5	QPSK	1	12	21.23	0.133	21.18	0.131	21.15	0.130
5	QPSK	1	24	20.98	0.125	21.10	0.129	21.09	0.129
5	QPSK	12	0	20.20	0.105	20.20	0.105	20.24	0.106
5	QPSK	12	7	20.20	0.105	20.31	0.107	20.28	0.107
5	QPSK	12	13	20.15	0.104	20.32	0.108	20.24	0.106
5	QPSK	25	0	20.18	0.104	20.22	0.105	20.28	0.107
5	16QAM	1	0	20.08	0.102	20.49	0.112	20.17	0.104
5	16QAM	1	12	20.19	0.104	20.54	0.113	20.13	0.103
5	16QAM	1	24	20.13	0.103	20.48	0.112	20.08	0.102
5	16QAM	12	0	20.12	0.103	20.06	0.101	20.09	0.102
5	16QAM	12	7	20.15	0.104	20.19	0.104	20.17	0.104
5	16QAM	12	13	20.42	0.110	20.49	0.112	20.53	0.113
5	16QAM	25	0	20.43	0.110	20.54	0.113	20.47	0.111
5	64QAM	1	0	19.20	0.083	19.64	0.092	19.62	0.092
5	64QAM	1	12	19.58	0.091	19.34	0.086	19.61	0.091
5	64QAM	1	24	19.54	0.090	19.24	0.084	19.31	0.085
5	64QAM	12	0	19.21	0.083	19.28	0.085	19.30	0.085
5	64QAM	12	7	19.20	0.083	19.29	0.085	19.35	0.086
5	64QAM	12	13	19.21	0.083	19.27	0.085	19.26	0.084
5	64QAM	25	0	19.16	0.082	19.30	0.085	19.21	0.083



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	21.09	0.129	21.10	0.129	21.22	0.132
3	QPSK	1	8	21.18	0.131	21.32	0.136	21.26	0.134
3	QPSK	1	14	20.98	0.125	21.17	0.131	21.17	0.131
3	QPSK	8	0	20.18	0.104	20.24	0.106	20.25	0.106
3	QPSK	8	4	20.24	0.106	20.32	0.108	20.34	0.108
3	QPSK	8	7	20.20	0.105	20.30	0.107	20.30	0.107
3	QPSK	15	0	20.20	0.105	20.26	0.106	20.20	0.105
3	16QAM	1	0	20.28	0.107	20.37	0.109	20.41	0.110
3	16QAM	1	8	20.50	0.112	20.50	0.112	20.24	0.106
3	16QAM	1	14	20.41	0.110	20.19	0.104	20.27	0.106
3	16QAM	8	0	20.20	0.105	20.21	0.105	20.30	0.107
3	16QAM	8	4	20.30	0.107	20.30	0.107	20.31	0.107
3	16QAM	8	7	20.52	0.113	20.60	0.115	20.64	0.116
3	16QAM	15	0	20.52	0.113	20.50	0.112	20.57	0.114
3	64QAM	1	0	19.19	0.083	19.28	0.085	19.26	0.084
3	64QAM	1	8	19.38	0.087	19.26	0.084	19.42	0.087
3	64QAM	1	14	19.19	0.083	19.26	0.084	19.09	0.081
3	64QAM	8	0	19.17	0.083	19.21	0.083	19.15	0.082
3	64QAM	8	4	19.29	0.085	19.27	0.085	19.31	0.085
3	64QAM	8	7	19.23	0.084	19.30	0.085	19.42	0.087
3	64QAM	15	0	19.19	0.083	19.27	0.085	19.18	0.083



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	21.24	0.133	21.29	0.135	21.27	0.134
1.4	QPSK	1	3	21.18	0.131	21.18	0.131	21.22	0.132
1.4	QPSK	1	5	21.04	0.127	21.13	0.130	21.15	0.130
1.4	QPSK	3	0	21.12	0.129	21.09	0.129	21.08	0.128
1.4	QPSK	3	1	21.08	0.128	21.18	0.131	21.23	0.133
1.4	QPSK	3	3	21.07	0.128	21.14	0.130	21.13	0.130
1.4	QPSK	6	0	20.23	0.105	20.25	0.106	20.21	0.105
1.4	16QAM	1	0	20.17	0.104	20.64	0.116	20.30	0.107
1.4	16QAM	1	3	20.30	0.107	20.38	0.109	20.42	0.110
1.4	16QAM	1	5	20.36	0.109	20.52	0.113	20.32	0.108
1.4	16QAM	3	0	20.39	0.109	20.43	0.110	20.34	0.108
1.4	16QAM	3	1	20.40	0.110	20.43	0.110	20.45	0.111
1.4	16QAM	3	3	20.39	0.109	20.51	0.112	20.40	0.110
1.4	16QAM	6	0	20.30	0.107	20.31	0.107	20.22	0.105
1.4	64QAM	1	0	19.08	0.081	19.02	0.080	19.16	0.082
1.4	64QAM	1	3	19.34	0.086	19.32	0.086	19.44	0.088
1.4	64QAM	1	5	19.25	0.084	19.21	0.083	19.05	0.080
1.4	64QAM	3	0	19.16	0.082	19.14	0.082	19.33	0.086
1.4	64QAM	3	1	19.07	0.081	19.22	0.084	19.19	0.083
1.4	64QAM	3	3	19.13	0.082	19.30	0.085	19.18	0.083
1.4	64QAM	6	0	19.12	0.082	19.13	0.082	19.20	0.083



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	16.82	0.048	16.83	0.048	16.75	0.047
10	QPSK	1	25	16.68	0.047	16.71	0.047	16.51	0.045
10	QPSK	1	49	16.60	0.046	16.72	0.047	16.40	0.044
10	QPSK	25	0	15.91	0.039	15.93	0.039	15.74	0.037
10	QPSK	25	12	15.67	0.037	15.69	0.037	15.74	0.037
10	QPSK	25	25	15.67	0.037	15.78	0.038	15.83	0.038
10	QPSK	50	0	15.73	0.037	15.61	0.036	15.75	0.038
10	16QAM	1	0	15.77	0.038	15.96	0.039	15.67	0.037
10	16QAM	1	25	16.00	0.040	16.03	0.040	15.71	0.037
10	16QAM	1	49	15.83	0.038	15.89	0.039	15.96	0.039
10	16QAM	25	0	15.92	0.039	15.93	0.039	15.75	0.038
10	16QAM	25	12	15.86	0.039	15.94	0.039	15.72	0.037
10	16QAM	25	25	15.89	0.039	15.82	0.038	15.85	0.038
10	16QAM	50	0	15.90	0.039	15.81	0.038	15.71	0.037
10	64QAM	1	0	14.86	0.031	14.96	0.031	14.84	0.030
10	64QAM	1	25	14.83	0.030	15.03	0.032	14.83	0.030
10	64QAM	1	49	14.72	0.030	14.94	0.031	14.85	0.031
10	64QAM	25	0	14.83	0.030	14.94	0.031	14.61	0.029
10	64QAM	25	12	14.82	0.030	14.99	0.032	14.70	0.030
10	64QAM	25	25	14.94	0.031	14.83	0.030	14.53	0.028
10	64QAM	50	0	14.90	0.031	14.86	0.031	14.72	0.030



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	16.77	0.048	16.73	0.047	16.71	0.047
5	QPSK	1	12	16.67	0.046	16.78	0.048	16.62	0.046
5	QPSK	1	24	16.67	0.046	16.62	0.046	16.62	0.046
5	QPSK	12	0	15.82	0.038	15.87	0.039	15.73	0.037
5	QPSK	12	7	15.89	0.039	15.90	0.039	15.82	0.038
5	QPSK	12	13	15.94	0.039	15.78	0.038	15.73	0.037
5	QPSK	25	0	15.85	0.038	15.81	0.038	15.73	0.037
5	16QAM	1	0	16.14	0.041	16.07	0.040	15.83	0.038
5	16QAM	1	12	15.84	0.038	16.06	0.040	15.82	0.038
5	16QAM	1	24	15.71	0.037	16.06	0.040	15.89	0.039
5	16QAM	12	0	15.80	0.038	15.89	0.039	15.88	0.039
5	16QAM	12	7	15.87	0.039	15.90	0.039	15.72	0.037
5	16QAM	12	13	15.87	0.039	15.78	0.038	15.83	0.038
5	16QAM	25	0	15.88	0.039	15.93	0.039	15.88	0.039
5	64QAM	1	0	14.95	0.031	14.83	0.030	14.94	0.031
5	64QAM	1	12	14.83	0.030	14.77	0.030	14.91	0.031
5	64QAM	1	24	14.97	0.031	14.81	0.030	14.75	0.030
5	64QAM	12	0	14.69	0.029	14.83	0.030	14.63	0.029
5	64QAM	12	7	14.73	0.030	14.89	0.031	14.67	0.029
5	64QAM	12	13	14.91	0.031	14.86	0.031	14.43	0.028
5	64QAM	25	0	14.79	0.030	14.86	0.031	14.47	0.028



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	16.76	0.047	16.77	0.048	16.62	0.046
3	QPSK	1	8	16.72	0.047	16.73	0.047	16.64	0.046
3	QPSK	1	14	16.73	0.047	16.71	0.047	16.45	0.044
3	QPSK	8	0	15.75	0.038	15.88	0.039	15.86	0.039
3	QPSK	8	4	15.89	0.039	15.95	0.039	15.92	0.039
3	QPSK	8	7	15.84	0.038	15.86	0.039	15.73	0.037
3	QPSK	15	0	15.82	0.038	15.88	0.039	15.87	0.039
3	16QAM	1	0	15.84	0.038	15.95	0.039	16.02	0.040
3	16QAM	1	8	15.77	0.038	16.03	0.040	15.87	0.039
3	16QAM	1	14	15.82	0.038	16.08	0.041	15.83	0.038
3	16QAM	8	0	15.78	0.038	15.87	0.039	15.61	0.036
3	16QAM	8	4	15.94	0.039	16.05	0.040	15.62	0.036
3	16QAM	8	7	15.86	0.039	15.92	0.039	15.66	0.037
3	16QAM	15	0	15.80	0.038	15.82	0.038	15.37	0.034
3	64QAM	1	0	14.75	0.030	14.63	0.029	14.84	0.030
3	64QAM	1	8	14.63	0.029	14.87	0.031	14.63	0.029
3	64QAM	1	14	14.65	0.029	14.83	0.030	14.64	0.029
3	64QAM	8	0	14.75	0.030	14.85	0.031	14.83	0.030
3	64QAM	8	4	14.97	0.031	14.81	0.030	14.75	0.030
3	64QAM	8	7	14.92	0.031	14.84	0.030	14.81	0.030
3	64QAM	15	0	14.81	0.030	14.91	0.031	14.71	0.030





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	16.77	0.048	16.74	0.047	16.78	0.048
1.4	QPSK	1	3	16.80	0.048	16.73	0.047	16.80	0.048
1.4	QPSK	1	5	16.69	0.047	16.63	0.046	16.64	0.046
1.4	QPSK	3	0	16.70	0.047	16.76	0.047	16.72	0.047
1.4	QPSK	3	1	16.76	0.047	16.63	0.046	16.73	0.047
1.4	QPSK	3	3	16.77	0.048	16.69	0.047	16.69	0.047
1.4	QPSK	6	0	15.80	0.038	15.79	0.038	15.78	0.038
1.4	16QAM	1	0	15.93	0.039	15.74	0.037	15.91	0.039
1.4	16QAM	1	3	15.73	0.037	15.97	0.040	15.86	0.039
1.4	16QAM	1	5	16.12	0.041	15.80	0.038	15.86	0.039
1.4	16QAM	3	0	15.65	0.037	15.63	0.037	15.77	0.038
1.4	16QAM	3	1	15.68	0.037	15.95	0.039	15.81	0.038
1.4	16QAM	3	3	15.76	0.038	15.87	0.039	15.75	0.038
1.4	16QAM	6	0	15.95	0.039	15.82	0.038	15.86	0.039
1.4	64QAM	1	0	14.48	0.028	14.65	0.029	14.67	0.029
1.4	64QAM	1	3	14.79	0.030	14.80	0.030	14.75	0.030
1.4	64QAM	1	5	14.74	0.030	14.73	0.030	14.61	0.029
1.4	64QAM	3	0	14.40	0.028	14.67	0.029	14.68	0.029
1.4	64QAM	3	1	14.68	0.029	14.62	0.029	14.63	0.029
1.4	64QAM	3	3	14.58	0.029	14.75	0.030	14.79	0.030
1.4	64QAM	6	0	14.79	0.030	14.91	0.031	14.80	0.030



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.03	0.253	24.04	0.254	23.96	0.249
20	QPSK	1	49	23.98	0.250	24.02	0.252	23.91	0.246
20	QPSK	1	99	23.93	0.247	23.88	0.244	23.93	0.247
20	QPSK	50	0	23.09	0.204	23.16	0.207	23.13	0.206
20	QPSK	50	24	22.85	0.193	22.82	0.191	22.72	0.187
20	QPSK	50	50	22.95	0.197	22.98	0.199	22.95	0.197
20	QPSK	100	0	22.90	0.195	22.92	0.196	22.89	0.195
20	16QAM	1	0	22.71	0.187	22.81	0.191	22.99	0.199
20	16QAM	1	49	22.86	0.193	22.72	0.187	23.00	0.200
20	16QAM	1	99	22.80	0.191	23.11	0.205	22.76	0.189
20	16QAM	50	0	22.65	0.184	22.75	0.188	22.68	0.185
20	16QAM	50	24	22.70	0.186	22.62	0.183	22.73	0.187
20	16QAM	50	50	22.78	0.190	22.83	0.192	22.66	0.185
20	16QAM	100	0	22.66	0.185	22.78	0.190	22.76	0.189
20	64QAM	1	0	21.54	0.143	21.70	0.148	21.72	0.149
20	64QAM	1	49	21.82	0.152	21.79	0.151	21.84	0.153
20	64QAM	1	99	21.80	0.151	21.85	0.153	21.76	0.150
20	64QAM	50	0	21.74	0.149	21.75	0.150	21.80	0.151
20	64QAM	50	24	21.79	0.151	21.80	0.151	21.80	0.151
20	64QAM	50	50	21.83	0.152	21.90	0.155	21.75	0.150
20	64QAM	100	0	21.76	0.150	21.73	0.149	21.85	0.153



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	23.86	0.243	23.95	0.248	23.95	0.248
15	QPSK	1	37	23.96	0.249	23.93	0.247	23.97	0.249
15	QPSK	1	74	23.90	0.245	23.97	0.249	23.97	0.249
15	QPSK	36	0	22.68	0.185	22.77	0.189	22.79	0.190
15	QPSK	36	20	22.76	0.189	22.83	0.192	22.78	0.190
15	QPSK	36	39	22.79	0.190	22.82	0.191	22.86	0.193
15	QPSK	75	0	22.85	0.193	22.78	0.190	22.80	0.191
15	16QAM	1	0	23.21	0.209	23.32	0.215	23.39	0.218
15	16QAM	1	37	23.03	0.201	23.14	0.206	23.12	0.205
15	16QAM	1	74	23.07	0.203	23.07	0.203	23.29	0.213
15	16QAM	36	0	22.66	0.185	22.77	0.189	22.79	0.190
15	16QAM	36	20	22.73	0.187	22.76	0.189	22.75	0.188
15	16QAM	36	39	22.79	0.190	22.77	0.189	22.66	0.185
15	16QAM	75	0	22.74	0.188	22.82	0.191	22.74	0.188
15	64QAM	1	0	21.64	0.146	21.61	0.145	21.49	0.141
15	64QAM	1	37	21.54	0.143	21.69	0.148	21.78	0.151
15	64QAM	1	74	21.53	0.142	21.65	0.146	21.71	0.148
15	64QAM	36	0	21.72	0.149	21.80	0.151	21.79	0.151
15	64QAM	36	20	21.83	0.152	21.82	0.152	21.89	0.155
15	64QAM	36	39	21.87	0.154	21.78	0.151	21.80	0.151
15	64QAM	75	0	21.72	0.149	21.82	0.152	21.77	0.150



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	23.85	0.243	23.72	0.236	23.75	0.237
10	QPSK	1	25	23.88	0.244	23.78	0.239	23.80	0.240
10	QPSK	1	49	23.81	0.240	23.78	0.239	23.80	0.240
10	QPSK	25	0	22.60	0.182	22.60	0.182	22.59	0.182
10	QPSK	25	12	22.56	0.180	22.68	0.185	22.73	0.187
10	QPSK	25	25	22.49	0.177	22.67	0.185	22.67	0.185
10	QPSK	50	0	22.58	0.181	22.70	0.186	22.69	0.186
10	16QAM	1	0	22.83	0.192	23.01	0.200	22.86	0.193
10	16QAM	1	25	22.82	0.191	22.84	0.192	22.89	0.195
10	16QAM	1	49	23.29	0.213	23.19	0.208	23.10	0.204
10	16QAM	25	0	22.72	0.187	22.60	0.182	22.68	0.185
10	16QAM	25	12	22.54	0.179	22.71	0.187	22.64	0.184
10	16QAM	25	25	22.59	0.182	22.62	0.183	22.54	0.179
10	16QAM	50	0	22.62	0.183	22.71	0.187	22.56	0.180
10	64QAM	1	0	21.64	0.146	21.60	0.145	21.58	0.144
10	64QAM	1	25	21.67	0.147	21.92	0.156	21.75	0.150
10	64QAM	1	49	21.78	0.151	22.02	0.159	21.83	0.152
10	64QAM	25	0	21.64	0.146	21.62	0.145	21.66	0.147
10	64QAM	25	12	21.66	0.147	21.77	0.150	21.70	0.148
10	64QAM	25	25	21.59	0.144	21.49	0.141	21.48	0.141
10	64QAM	50	0	21.53	0.142	21.59	0.144	21.51	0.142



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	23.89	0.245	23.80	0.240	23.70	0.234
5	QPSK	1	12	23.76	0.238	23.69	0.234	23.77	0.238
5	QPSK	1	24	23.70	0.234	23.76	0.238	23.80	0.240
5	QPSK	12	0	22.40	0.174	22.48	0.177	22.40	0.174
5	QPSK	12	7	22.47	0.177	22.62	0.183	22.54	0.179
5	QPSK	12	13	22.49	0.177	22.65	0.184	22.50	0.178
5	QPSK	25	0	22.50	0.178	22.51	0.178	22.46	0.176
5	16QAM	1	0	22.68	0.185	22.66	0.185	22.72	0.187
5	16QAM	1	12	22.73	0.187	22.95	0.197	22.85	0.193
5	16QAM	1	24	22.79	0.190	22.98	0.199	22.80	0.191
5	16QAM	12	0	22.70	0.186	22.76	0.189	22.67	0.185
5	16QAM	12	7	22.59	0.182	22.61	0.182	22.57	0.181
5	16QAM	12	13	22.59	0.182	22.65	0.184	22.78	0.190
5	16QAM	25	0	22.56	0.180	22.61	0.182	22.63	0.183
5	64QAM	1	0	21.74	0.149	21.79	0.151	21.75	0.150
5	64QAM	1	12	21.79	0.151	21.91	0.155	21.79	0.151
5	64QAM	1	24	21.83	0.152	21.93	0.156	21.89	0.155
5	64QAM	12	0	21.54	0.143	21.51	0.142	21.56	0.143
5	64QAM	12	7	21.63	0.146	21.68	0.147	21.47	0.140
5	64QAM	12	13	21.58	0.144	21.67	0.147	21.53	0.142
5	64QAM	25	0	21.53	0.142	21.52	0.142	21.57	0.144



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	17.57	0.057	17.73	0.059	17.62	0.058
10	QPSK	1	25	17.43	0.055	17.56	0.057	17.59	0.057
10	QPSK	1	49	17.53	0.057	17.54	0.057	17.53	0.057
10	QPSK	25	0	16.82	0.048	16.92	0.049	16.83	0.048
10	QPSK	25	12	16.79	0.048	16.73	0.047	16.52	0.045
10	QPSK	25	25	16.84	0.048	16.90	0.049	16.83	0.048
10	QPSK	50	0	16.85	0.048	16.87	0.049	16.78	0.048
10	16QAM	1	0	16.78	0.048	16.33	0.043	16.46	0.044
10	16QAM	1	25	16.53	0.045	16.48	0.044	16.62	0.046
10	16QAM	1	49	16.62	0.046	16.67	0.046	16.56	0.045
10	16QAM	25	0	16.51	0.045	16.53	0.045	16.47	0.044
10	16QAM	25	12	16.55	0.045	16.59	0.046	16.48	0.044
10	16QAM	25	25	16.60	0.046	16.61	0.046	16.55	0.045
10	16QAM	50	0	16.50	0.045	16.58	0.045	16.63	0.046
10	64QAM	1	0	15.35	0.034	15.47	0.035	15.81	0.038
10	64QAM	1	25	15.79	0.038	15.85	0.038	15.44	0.035
10	64QAM	1	49	15.81	0.038	15.49	0.035	15.42	0.035
10	64QAM	25	0	15.32	0.034	15.26	0.034	15.23	0.033
10	64QAM	25	12	15.37	0.034	15.40	0.035	15.32	0.034
10	64QAM	25	25	15.42	0.035	15.39	0.035	15.39	0.035
10	64QAM	50	0	15.34	0.034	15.27	0.034	15.38	0.035



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	17.32	0.054	17.65	0.058	17.43	0.055
5	QPSK	1	12	17.48	0.056	17.64	0.058	17.48	0.056
5	QPSK	1	24	17.44	0.055	17.63	0.058	17.49	0.056
5	QPSK	12	0	16.55	0.045	16.62	0.046	16.61	0.046
5	QPSK	12	7	16.66	0.046	16.68	0.047	16.65	0.046
5	QPSK	12	13	16.61	0.046	16.64	0.046	16.61	0.046
5	QPSK	25	0	16.57	0.045	16.69	0.047	16.65	0.046
5	16QAM	1	0	16.58	0.045	16.60	0.046	16.62	0.046
5	16QAM	1	12	16.75	0.047	16.70	0.047	16.71	0.047
5	16QAM	1	24	16.71	0.047	16.69	0.047	16.65	0.046
5	16QAM	12	0	16.45	0.044	16.42	0.044	16.45	0.044
5	16QAM	12	7	16.59	0.046	16.64	0.046	16.48	0.044
5	16QAM	12	13	16.54	0.045	16.51	0.045	16.56	0.045
5	16QAM	25	0	16.55	0.045	16.51	0.045	16.53	0.045
5	64QAM	1	0	15.33	0.034	15.34	0.034	15.39	0.035
5	64QAM	1	12	15.78	0.038	15.48	0.035	15.41	0.035
5	64QAM	1	24	15.76	0.038	15.45	0.035	15.50	0.035
5	64QAM	12	0	15.30	0.034	15.32	0.034	15.27	0.034
5	64QAM	12	7	15.40	0.035	15.28	0.034	15.34	0.034
5	64QAM	12	13	15.27	0.034	15.37	0.034	15.42	0.035
5	64QAM	25	0	15.42	0.035	15.38	0.035	15.35	0.034



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	17.40	0.055	17.67	0.058	17.34	0.054
3	QPSK	1	8	17.58	0.057	17.57	0.057	17.47	0.056
3	QPSK	1	14	17.52	0.056	17.63	0.058	17.58	0.057
3	QPSK	8	0	16.63	0.046	16.61	0.046	16.61	0.046
3	QPSK	8	4	16.66	0.046	16.69	0.047	16.70	0.047
3	QPSK	8	7	16.61	0.046	16.69	0.047	16.63	0.046
3	QPSK	15	0	16.60	0.046	16.68	0.047	16.54	0.045
3	16QAM	1	0	16.61	0.046	16.97	0.050	16.56	0.045
3	16QAM	1	8	16.81	0.048	16.79	0.048	16.74	0.047
3	16QAM	1	14	16.64	0.046	16.69	0.047	16.55	0.045
3	16QAM	8	0	16.61	0.046	16.50	0.045	16.53	0.045
3	16QAM	8	4	16.66	0.046	16.63	0.046	16.74	0.047
3	16QAM	8	7	16.50	0.045	16.53	0.045	16.59	0.046
3	16QAM	15	0	16.48	0.044	16.41	0.044	16.40	0.044
3	64QAM	1	0	15.34	0.034	15.68	0.037	15.67	0.037
3	64QAM	1	8	15.63	0.037	15.53	0.036	15.54	0.036
3	64QAM	1	14	15.56	0.036	15.41	0.035	15.52	0.036
3	64QAM	8	0	15.23	0.033	15.31	0.034	15.22	0.033
3	64QAM	8	4	15.32	0.034	15.36	0.034	15.35	0.034
3	64QAM	8	7	15.31	0.034	15.23	0.033	15.38	0.035
3	64QAM	15	0	15.30	0.034	15.32	0.034	15.24	0.033





LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	17.43	0.055	17.60	0.058	17.40	0.055
1.4	QPSK	1	3	17.54	0.057	17.53	0.057	17.55	0.057
1.4	QPSK	1	5	17.43	0.055	17.48	0.056	17.44	0.055
1.4	QPSK	3	0	17.38	0.055	17.51	0.056	17.49	0.056
1.4	QPSK	3	1	17.59	0.057	17.59	0.057	17.26	0.053
1.4	QPSK	3	3	17.54	0.057	17.56	0.057	17.52	0.056
1.4	QPSK	6	0	16.60	0.046	16.57	0.045	16.55	0.045
1.4	16QAM	1	0	16.64	0.046	16.58	0.045	16.43	0.044
1.4	16QAM	1	3	16.45	0.044	16.88	0.049	16.55	0.045
1.4	16QAM	1	5	16.57	0.045	16.58	0.045	16.57	0.045
1.4	16QAM	3	0	16.41	0.044	16.44	0.044	16.45	0.044
1.4	16QAM	3	1	16.57	0.045	16.65	0.046	16.49	0.045
1.4	16QAM	3	3	16.40	0.044	16.54	0.045	16.54	0.045
1.4	16QAM	6	0	16.33	0.043	16.53	0.045	16.43	0.044
1.4	64QAM	1	0	15.18	0.033	15.33	0.034	15.17	0.033
1.4	64QAM	1	3	15.30	0.034	15.23	0.033	15.28	0.034
1.4	64QAM	1	5	15.46	0.035	15.49	0.035	15.45	0.035
1.4	64QAM	3	0	15.36	0.034	15.37	0.034	15.20	0.033
1.4	64QAM	3	1	15.34	0.034	15.58	0.036	15.43	0.035
1.4	64QAM	3	3	15.36	0.034	15.20	0.033	15.36	0.034
1.4	64QAM	6	0	15.32	0.034	15.33	0.034	15.20	0.033



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	17.63	0.058	17.66	0.058	17.63	0.058
10	QPSK	1	25	17.51	0.056	17.47	0.056	17.53	0.057
10	QPSK	1	49	17.44	0.055	17.47	0.056	17.42	0.055
10	QPSK	25	0	16.74	0.047	16.80	0.048	16.72	0.047
10	QPSK	25	12	16.59	0.046	16.53	0.045	16.67	0.046
10	QPSK	25	25	16.57	0.045	16.57	0.045	16.66	0.046
10	QPSK	50	0	16.70	0.047	16.57	0.045	16.58	0.045
10	16QAM	1	0	16.43	0.044	16.62	0.046	16.76	0.047
10	16QAM	1	25	16.64	0.046	16.93	0.049	16.77	0.048
10	16QAM	1	49	16.60	0.046	16.85	0.048	16.90	0.049
10	16QAM	25	0	16.54	0.045	16.78	0.048	16.77	0.048
10	16QAM	25	12	16.60	0.046	16.75	0.047	16.73	0.047
10	16QAM	25	25	16.43	0.044	16.69	0.047	16.74	0.047
10	16QAM	50	0	16.47	0.044	16.76	0.047	16.73	0.047
10	64QAM	1	0	15.44	0.035	15.77	0.038	15.45	0.035
10	64QAM	1	25	15.67	0.037	15.57	0.036	15.47	0.035
10	64QAM	1	49	15.41	0.035	15.44	0.035	15.44	0.035
10	64QAM	25	0	15.59	0.036	15.76	0.038	15.74	0.037
10	64QAM	25	12	15.51	0.036	15.59	0.036	15.76	0.038
10	64QAM	25	25	15.45	0.035	15.66	0.037	15.82	0.038
10	64QAM	50	0	15.52	0.036	15.75	0.038	15.76	0.038



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	17.57	0.057	17.53	0.057	17.49	0.056
5	QPSK	1	12	17.56	0.057	17.52	0.056	17.51	0.056
5	QPSK	1	24	17.48	0.056	17.54	0.057	17.53	0.057
5	QPSK	12	0	16.64	0.046	16.82	0.048	16.98	0.050
5	QPSK	12	7	16.76	0.047	16.85	0.048	16.93	0.049
5	QPSK	12	13	16.59	0.046	16.87	0.049	16.93	0.049
5	QPSK	25	0	16.62	0.046	16.79	0.048	16.92	0.049
5	16QAM	1	0	17.10	0.051	17.15	0.052	16.87	0.049
5	16QAM	1	12	17.27	0.053	16.83	0.048	17.20	0.052
5	16QAM	1	24	17.11	0.051	17.16	0.052	17.32	0.054
5	16QAM	12	0	16.55	0.045	16.58	0.045	16.79	0.048
5	16QAM	12	7	16.55	0.045	16.62	0.046	16.74	0.047
5	16QAM	12	13	16.46	0.044	16.71	0.047	16.74	0.047
5	16QAM	25	0	16.56	0.045	16.68	0.047	16.72	0.047
5	64QAM	1	0	15.36	0.034	15.37	0.034	15.37	0.034
5	64QAM	1	12	15.40	0.035	15.37	0.034	15.45	0.035
5	64QAM	1	24	15.45	0.035	15.45	0.035	15.37	0.034
5	64QAM	12	0	15.51	0.036	15.56	0.036	15.80	0.038
5	64QAM	12	7	15.64	0.037	15.72	0.037	15.66	0.037
5	64QAM	12	13	15.49	0.035	15.67	0.037	15.69	0.037
5	64QAM	25	0	15.46	0.035	15.65	0.037	15.81	0.038



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26865		26915		26965	
Frequency (MHz)				831.5		836.5		841.5	
				dbm	W	dbm	W	dbm	W
15	QPSK	1	0	16.44	0.044	16.32	0.043	16.41	0.044
15	QPSK	1	37	16.35	0.043	16.28	0.042	16.41	0.044
15	QPSK	1	74	16.34	0.043	16.25	0.042	16.36	0.043
15	QPSK	36	0	15.80	0.038	15.72	0.037	15.68	0.037
15	QPSK	36	20	15.55	0.036	15.45	0.035	15.40	0.035
15	QPSK	36	39	15.42	0.035	15.31	0.034	15.48	0.035
15	QPSK	75	0	15.43	0.035	15.40	0.035	15.50	0.035
15	16QAM	1	0	15.56	0.036	15.44	0.035	15.84	0.038
15	16QAM	1	37	15.48	0.035	15.40	0.035	15.62	0.036
15	16QAM	1	74	15.41	0.035	15.30	0.034	15.42	0.035
15	16QAM	36	0	15.38	0.035	15.26	0.034	15.41	0.035
15	16QAM	36	20	15.27	0.034	15.26	0.034	15.42	0.035
15	16QAM	36	39	15.34	0.034	15.27	0.034	15.42	0.035
15	16QAM	75	0	15.44	0.035	15.32	0.034	15.44	0.035
15	64QAM	1	0	14.71	0.030	14.62	0.029	14.53	0.028
15	64QAM	1	37	14.53	0.028	14.52	0.028	14.63	0.029
15	64QAM	1	74	14.49	0.028	14.42	0.028	14.81	0.030
15	64QAM	36	0	14.70	0.030	14.69	0.029	14.69	0.029
15	64QAM	36	20	14.70	0.030	14.69	0.029	14.61	0.029
15	64QAM	36	39	14.76	0.030	14.69	0.029	14.52	0.028
15	64QAM	75	0	14.73	0.030	14.69	0.029	14.66	0.029



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26840		26915		26990	
Frequency (MHz)				829.0		836.5		844.0	
				dbm	W	dbm	W	dbm	W
10	QPSK	1	0	16.30	0.043	16.23	0.042	16.33	0.043
10	QPSK	1	25	16.20	0.042	16.19	0.042	16.27	0.042
10	QPSK	1	49	16.21	0.042	16.21	0.042	16.26	0.042
10	QPSK	25	0	15.31	0.034	15.32	0.034	15.41	0.035
10	QPSK	25	12	15.28	0.034	15.25	0.033	15.31	0.034
10	QPSK	25	25	15.36	0.034	15.32	0.034	15.38	0.035
10	QPSK	50	0	15.32	0.034	15.37	0.034	15.40	0.035
10	16QAM	1	0	15.39	0.035	15.42	0.035	15.51	0.036
10	16QAM	1	25	15.55	0.036	15.61	0.036	15.65	0.037
10	16QAM	1	49	15.32	0.034	15.34	0.034	15.42	0.035
10	16QAM	25	0	15.78	0.038	15.81	0.038	15.89	0.039
10	16QAM	25	12	15.63	0.037	15.70	0.037	15.71	0.037
10	16QAM	25	25	15.47	0.035	15.55	0.036	15.58	0.036
10	16QAM	50	0	15.69	0.037	15.58	0.036	15.70	0.037
10	64QAM	1	0	14.52	0.028	14.51	0.028	14.61	0.029
10	64QAM	1	25	14.62	0.029	14.52	0.028	14.63	0.029
10	64QAM	1	49	14.51	0.028	14.56	0.029	14.60	0.029
10	64QAM	25	0	14.59	0.029	14.62	0.029	14.68	0.029
10	64QAM	25	12	14.58	0.029	14.57	0.029	14.67	0.029
10	64QAM	25	25	14.42	0.028	14.46	0.028	14.50	0.028
10	64QAM	50	0	14.59	0.029	14.52	0.028	14.64	0.029



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26815		26915		27015	
Frequency (MHz)				826.5		836.5		846.5	
				dbm	W	dbm	W	dbm	W
5	QPSK	1	0	16.23	0.042	16.31	0.043	16.32	0.043
5	QPSK	1	12	16.23	0.042	16.30	0.043	16.32	0.043
5	QPSK	1	24	16.28	0.042	16.23	0.042	16.34	0.043
5	QPSK	12	0	15.35	0.034	15.33	0.034	15.39	0.035
5	QPSK	12	7	15.42	0.035	15.39	0.035	15.49	0.035
5	QPSK	12	13	15.28	0.034	15.31	0.034	15.38	0.035
5	QPSK	25	0	15.49	0.035	15.55	0.036	15.57	0.036
5	16QAM	1	0	15.41	0.035	15.33	0.034	15.43	0.035
5	16QAM	1	12	15.23	0.033	15.29	0.034	15.33	0.034
5	16QAM	1	24	15.54	0.036	15.54	0.036	15.56	0.036
5	16QAM	12	0	15.52	0.036	15.53	0.036	15.59	0.036
5	16QAM	12	7	15.33	0.034	15.28	0.034	15.35	0.034
5	16QAM	12	13	15.36	0.034	15.28	0.034	15.40	0.035
5	16QAM	25	0	15.40	0.035	15.32	0.034	15.42	0.035
5	64QAM	1	0	14.58	0.029	14.50	0.028	14.60	0.029
5	64QAM	1	12	14.60	0.029	14.59	0.029	14.61	0.029
5	64QAM	1	24	14.52	0.028	14.57	0.029	14.60	0.029
5	64QAM	12	0	14.43	0.028	14.42	0.028	14.51	0.028
5	64QAM	12	7	14.44	0.028	14.42	0.028	14.52	0.028
5	64QAM	12	13	14.34	0.027	14.42	0.028	14.44	0.028
5	64QAM	25	0	14.47	0.028	14.42	0.028	14.50	0.028



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26805		26915		27025	
Frequency (MHz)				825.5		836.5		847.5	
				dbm	W	dbm	W	dbm	W
3	QPSK	1	0	16.30	0.043	16.34	0.043	16.37	0.043
3	QPSK	1	8	16.16	0.041	16.22	0.042	16.26	0.042
3	QPSK	1	14	16.22	0.042	16.26	0.042	16.33	0.043
3	QPSK	8	0	15.49	0.035	15.59	0.036	15.61	0.036
3	QPSK	8	4	15.31	0.034	15.34	0.034	15.38	0.035
3	QPSK	8	7	15.51	0.036	15.49	0.035	15.59	0.036
3	QPSK	15	0	15.40	0.035	15.40	0.035	15.50	0.035
3	16QAM	1	0	15.58	0.036	15.59	0.036	15.66	0.037
3	16QAM	1	8	15.52	0.036	15.55	0.036	15.62	0.036
3	16QAM	1	14	15.49	0.035	15.48	0.035	15.53	0.036
3	16QAM	8	0	15.45	0.035	15.36	0.034	15.47	0.035
3	16QAM	8	4	15.33	0.034	15.30	0.034	15.42	0.035
3	16QAM	8	7	15.36	0.034	15.29	0.034	15.38	0.035
3	16QAM	15	0	15.46	0.035	15.47	0.035	15.51	0.036
3	64QAM	1	0	14.61	0.029	14.69	0.029	14.72	0.030
3	64QAM	1	8	14.58	0.029	14.53	0.028	14.63	0.029
3	64QAM	1	14	14.77	0.030	14.76	0.030	14.79	0.030
3	64QAM	8	0	14.50	0.028	14.53	0.028	14.57	0.029
3	64QAM	8	4	14.45	0.028	14.50	0.028	14.57	0.029
3	64QAM	8	7	14.48	0.028	14.45	0.028	14.56	0.029
3	64QAM	15	0	14.51	0.028	14.45	0.028	14.54	0.028



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26797		26915		27033	
Frequency (MHz)				824.7		836.5		848.3	
				dbm	W	dbm	W	dbm	W
1.4	QPSK	1	0	16.23	0.042	16.30	0.043	16.32	0.043
1.4	QPSK	1	3	16.23	0.042	16.12	0.041	16.24	0.042
1.4	QPSK	1	5	16.11	0.041	16.15	0.041	16.23	0.042
1.4	QPSK	3	0	16.17	0.041	16.20	0.042	16.25	0.042
1.4	QPSK	3	1	16.19	0.042	16.23	0.042	16.31	0.043
1.4	QPSK	3	3	16.23	0.042	16.22	0.042	16.34	0.043
1.4	QPSK	6	0	15.49	0.035	15.53	0.036	15.61	0.036
1.4	16QAM	1	0	15.47	0.035	15.44	0.035	15.48	0.035
1.4	16QAM	1	3	15.40	0.035	15.35	0.034	15.42	0.035
1.4	16QAM	1	5	15.45	0.035	15.43	0.035	15.52	0.036
1.4	16QAM	3	0	15.54	0.036	15.49	0.035	15.59	0.036
1.4	16QAM	3	1	15.40	0.035	15.47	0.035	15.50	0.035
1.4	16QAM	3	3	15.28	0.034	15.30	0.034	15.31	0.034
1.4	16QAM	6	0	15.79	0.038	15.82	0.038	15.89	0.039
1.4	64QAM	1	0	14.82	0.030	14.73	0.030	14.85	0.031
1.4	64QAM	1	3	14.86	0.031	14.82	0.030	14.89	0.031
1.4	64QAM	1	5	14.91	0.031	14.90	0.031	14.93	0.031
1.4	64QAM	3	0	14.78	0.030	14.80	0.030	14.89	0.031
1.4	64QAM	3	1	14.81	0.030	14.82	0.030	14.85	0.031
1.4	64QAM	3	3	14.75	0.030	14.79	0.030	14.80	0.030
1.4	64QAM	6	0	14.47	0.028	14.53	0.028	14.56	0.029





LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37850		38000		38150	
Frequency (MHz)				2580		2595		2610	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.97	0.249	24.04	0.254	24.01	0.252
20	QPSK	1	49	23.96	0.249	23.98	0.250	23.98	0.250
20	QPSK	1	99	23.88	0.244	23.94	0.248	23.91	0.246
20	QPSK	50	0	23.08	0.203	23.30	0.214	23.16	0.207
20	QPSK	50	24	23.01	0.200	23.08	0.203	23.04	0.201
20	QPSK	50	50	23.05	0.202	23.10	0.204	23.04	0.201
20	QPSK	100	0	22.93	0.196	23.04	0.201	23.07	0.203
20	16QAM	1	0	23.05	0.202	23.05	0.202	22.98	0.199
20	16QAM	1	49	23.04	0.201	22.64	0.184	23.04	0.201
20	16QAM	1	99	23.20	0.209	23.19	0.208	23.30	0.214
20	16QAM	50	0	23.05	0.202	23.19	0.208	22.80	0.191
20	16QAM	50	24	23.16	0.207	22.98	0.199	22.89	0.195
20	16QAM	50	50	23.15	0.207	22.79	0.190	22.83	0.192
20	16QAM	100	0	23.16	0.207	23.19	0.208	22.85	0.193
20	64QAM	1	0	22.32	0.171	22.60	0.182	22.63	0.183
20	64QAM	1	49	22.32	0.171	22.51	0.178	22.61	0.182
20	64QAM	1	99	22.34	0.171	22.61	0.182	22.65	0.184
20	64QAM	50	0	22.33	0.171	22.32	0.171	22.21	0.166
20	64QAM	50	24	22.35	0.172	22.31	0.170	22.30	0.170
20	64QAM	50	50	22.33	0.171	22.10	0.162	22.32	0.171
20	64QAM	100	0	22.33	0.171	22.29	0.169	22.20	0.166



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37825		38000		38175	
Frequency (MHz)				2577.5		2595		2612.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.94	0.248	23.94	0.248	23.95	0.248
15	QPSK	1	37	23.95	0.248	23.87	0.244	23.98	0.250
15	QPSK	1	74	23.76	0.238	23.98	0.250	23.95	0.248
15	QPSK	36	0	23.07	0.203	23.32	0.215	23.36	0.217
15	QPSK	36	20	23.21	0.209	23.30	0.214	23.26	0.212
15	QPSK	36	39	23.28	0.213	23.26	0.212	23.19	0.208
15	QPSK	75	0	23.16	0.207	23.16	0.207	23.17	0.207
15	16QAM	1	0	23.24	0.211	23.26	0.212	23.16	0.207
15	16QAM	1	37	23.26	0.212	23.30	0.214	22.98	0.199
15	16QAM	1	74	23.27	0.212	23.17	0.207	22.97	0.198
15	16QAM	36	0	23.04	0.201	23.00	0.200	22.89	0.195
15	16QAM	36	20	23.02	0.200	23.16	0.207	22.93	0.196
15	16QAM	36	39	23.04	0.201	23.06	0.202	22.91	0.195
15	16QAM	75	0	23.00	0.200	22.95	0.197	22.89	0.195
15	64QAM	1	0	22.46	0.176	22.35	0.172	22.51	0.178
15	64QAM	1	37	22.34	0.171	22.35	0.172	22.33	0.171
15	64QAM	1	74	22.29	0.169	22.37	0.173	22.54	0.179
15	64QAM	36	0	22.21	0.166	22.36	0.172	22.29	0.169
15	64QAM	36	20	22.49	0.177	22.35	0.172	22.23	0.167
15	64QAM	36	39	22.33	0.171	22.33	0.171	22.34	0.171
15	64QAM	75	0	22.51	0.178	22.33	0.171	22.37	0.173



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37800		38000		38200	
Frequency (MHz)				2575		2595		2615	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.97	0.249	23.98	0.250	23.98	0.250
10	QPSK	1	25	23.97	0.249	23.77	0.238	23.97	0.249
10	QPSK	1	49	23.91	0.246	23.93	0.247	23.96	0.249
10	QPSK	25	0	23.06	0.202	22.92	0.196	22.92	0.196
10	QPSK	25	12	23.26	0.212	23.22	0.210	22.93	0.196
10	QPSK	25	25	23.27	0.212	23.29	0.213	22.89	0.195
10	QPSK	50	0	23.28	0.213	23.20	0.209	22.92	0.196
10	16QAM	1	0	23.14	0.206	22.91	0.195	23.22	0.210
10	16QAM	1	25	23.02	0.200	22.92	0.196	23.32	0.215
10	16QAM	1	49	23.39	0.218	22.95	0.197	23.04	0.201
10	16QAM	25	0	22.89	0.195	23.00	0.200	22.96	0.198
10	16QAM	25	12	23.19	0.208	22.89	0.195	23.02	0.200
10	16QAM	25	25	22.89	0.195	23.03	0.201	23.08	0.203
10	16QAM	50	0	23.01	0.200	23.05	0.202	22.97	0.198
10	64QAM	1	0	22.36	0.172	22.39	0.173	22.32	0.171
10	64QAM	1	25	22.27	0.169	22.52	0.179	22.42	0.175
10	64QAM	1	49	22.63	0.183	22.37	0.173	22.42	0.175
10	64QAM	25	0	22.22	0.167	22.22	0.167	22.32	0.171
10	64QAM	25	12	22.22	0.167	22.42	0.175	22.43	0.175
10	64QAM	25	25	22.18	0.165	22.38	0.173	22.34	0.171
10	64QAM	50	0	22.24	0.167	22.40	0.174	22.30	0.170



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37775		38000		38225	
Frequency (MHz)				2572.5		2595		2617.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.92	0.247	23.93	0.247	23.96	0.249
5	QPSK	1	12	23.77	0.238	23.98	0.250	23.96	0.249
5	QPSK	1	24	23.77	0.238	23.76	0.238	23.75	0.237
5	QPSK	12	0	23.19	0.208	23.67	0.233	23.26	0.212
5	QPSK	12	7	23.33	0.215	23.32	0.215	23.32	0.215
5	QPSK	12	13	23.21	0.209	23.23	0.210	23.25	0.211
5	QPSK	25	0	23.25	0.211	23.26	0.212	22.92	0.196
5	16QAM	1	0	23.43	0.220	23.54	0.226	23.44	0.221
5	16QAM	1	12	23.04	0.201	23.22	0.210	22.92	0.196
5	16QAM	1	24	23.04	0.201	23.05	0.202	23.04	0.201
5	16QAM	12	0	23.05	0.202	23.10	0.204	23.04	0.201
5	16QAM	12	7	23.04	0.201	23.06	0.202	23.04	0.201
5	16QAM	12	13	22.95	0.197	23.07	0.203	23.04	0.201
5	16QAM	25	0	23.22	0.210	22.94	0.197	23.12	0.205
5	64QAM	1	0	22.33	0.171	22.66	0.185	22.27	0.169
5	64QAM	1	12	22.60	0.182	22.60	0.182	22.67	0.185
5	64QAM	1	24	22.60	0.182	22.60	0.182	22.57	0.181
5	64QAM	12	0	22.28	0.169	22.40	0.174	22.36	0.172
5	64QAM	12	7	22.37	0.173	22.38	0.173	22.29	0.169
5	64QAM	12	13	22.36	0.172	22.39	0.173	22.26	0.168
5	64QAM	25	0	22.40	0.174	22.42	0.175	22.33	0.171



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40090		40640		41190	
Frequency (MHz)				2540		2595		2650	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.25	0.266	24.37	0.274	24.31	0.270
20	QPSK	1	49	24.21	0.264	24.30	0.269	24.31	0.270
20	QPSK	1	99	24.15	0.260	24.26	0.267	24.11	0.258
20	QPSK	50	0	23.41	0.219	23.47	0.222	23.40	0.219
20	QPSK	50	24	23.41	0.219	23.24	0.211	23.21	0.209
20	QPSK	50	50	23.44	0.221	23.29	0.213	23.35	0.216
20	QPSK	100	0	23.41	0.219	23.35	0.216	23.25	0.211
20	16QAM	1	0	23.45	0.221	23.28	0.213	23.25	0.211
20	16QAM	1	49	23.44	0.221	23.28	0.213	23.25	0.211
20	16QAM	1	99	23.51	0.224	23.35	0.216	23.35	0.216
20	16QAM	50	0	23.42	0.220	23.28	0.213	23.25	0.211
20	16QAM	50	24	23.40	0.219	23.25	0.211	23.25	0.211
20	16QAM	50	50	23.46	0.222	23.71	0.235	23.35	0.216
20	16QAM	100	0	23.40	0.219	23.66	0.232	23.24	0.211
20	64QAM	1	0	22.83	0.192	22.74	0.188	22.53	0.179
20	64QAM	1	49	22.76	0.189	22.56	0.180	22.53	0.179
20	64QAM	1	99	22.66	0.185	22.52	0.179	22.49	0.177
20	64QAM	50	0	22.62	0.183	22.55	0.180	22.59	0.182
20	64QAM	50	24	22.47	0.177	22.62	0.183	22.52	0.179
20	64QAM	50	50	22.57	0.181	22.76	0.189	22.58	0.181
20	64QAM	100	0	22.55	0.180	22.79	0.190	22.59	0.182



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40065		40640		41215	
Frequency (MHz)				2537.5		2595		2652.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.91	0.246	24.27	0.267	24.13	0.259
15	QPSK	1	37	23.90	0.245	24.31	0.270	24.24	0.265
15	QPSK	1	74	23.90	0.245	24.24	0.265	24.04	0.254
15	QPSK	36	0	23.07	0.203	23.26	0.212	24.07	0.255
15	QPSK	36	20	23.32	0.215	23.26	0.212	24.14	0.259
15	QPSK	36	39	23.48	0.223	23.25	0.211	24.09	0.256
15	QPSK	75	0	23.26	0.212	23.28	0.213	24.06	0.255
15	16QAM	1	0	23.20	0.209	23.65	0.232	23.45	0.221
15	16QAM	1	37	23.41	0.219	23.22	0.210	23.46	0.222
15	16QAM	1	74	23.37	0.217	22.79	0.190	23.08	0.203
15	16QAM	36	0	23.24	0.211	23.19	0.208	23.53	0.225
15	16QAM	36	20	23.29	0.213	23.15	0.207	23.55	0.226
15	16QAM	36	39	23.36	0.217	23.65	0.232	23.31	0.214
15	16QAM	75	0	23.27	0.212	23.13	0.206	22.91	0.195
15	64QAM	1	0	22.65	0.184	22.79	0.190	22.93	0.196
15	64QAM	1	37	22.93	0.196	22.93	0.196	22.05	0.160
15	64QAM	1	74	22.90	0.195	22.72	0.187	21.78	0.151
15	64QAM	36	0	22.34	0.171	22.50	0.178	22.42	0.175
15	64QAM	36	20	22.49	0.177	22.94	0.197	22.43	0.175
15	64QAM	36	39	22.44	0.175	22.91	0.195	22.52	0.179
15	64QAM	75	0	22.42	0.175	22.91	0.195	22.44	0.175



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40090		40640		41190	
Frequency (MHz)				2540		2595		2650	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.95	0.248	24.24	0.265	24.11	0.258
10	QPSK	1	25	24.15	0.260	24.11	0.258	24.06	0.255
10	QPSK	1	49	23.92	0.247	24.31	0.270	24.07	0.255
10	QPSK	25	0	23.23	0.210	23.54	0.226	23.31	0.214
10	QPSK	25	12	23.31	0.214	23.43	0.220	23.31	0.214
10	QPSK	25	25	23.35	0.216	23.38	0.218	23.67	0.233
10	QPSK	50	0	23.40	0.219	23.46	0.222	22.91	0.195
10	16QAM	1	0	23.26	0.212	23.32	0.215	23.11	0.205
10	16QAM	1	25	23.44	0.221	23.47	0.222	23.15	0.207
10	16QAM	1	49	23.30	0.214	23.39	0.218	23.30	0.214
10	16QAM	25	0	23.30	0.214	23.53	0.225	22.96	0.198
10	16QAM	25	12	23.43	0.220	23.39	0.218	22.72	0.187
10	16QAM	25	25	23.40	0.219	23.51	0.224	23.23	0.210
10	16QAM	50	0	23.38	0.218	23.45	0.221	22.99	0.199
10	64QAM	1	0	22.28	0.169	22.24	0.167	22.64	0.184
10	64QAM	1	25	22.31	0.170	22.41	0.174	22.59	0.182
10	64QAM	1	49	22.29	0.169	22.28	0.169	22.40	0.174
10	64QAM	25	0	22.36	0.172	22.49	0.177	22.56	0.180
10	64QAM	25	12	22.39	0.173	22.38	0.173	22.31	0.170
10	64QAM	25	25	22.48	0.177	22.47	0.177	22.54	0.179
10	64QAM	50	0	22.44	0.175	22.52	0.179	22.60	0.182



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				40065		40640		41215	
Frequency (MHz)				2537.5		2595		2652.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.04	0.254	24.24	0.265	24.02	0.252
5	QPSK	1	12	24.03	0.253	24.11	0.258	24.06	0.255
5	QPSK	1	24	24.16	0.261	24.21	0.264	24.07	0.255
5	QPSK	12	0	23.25	0.211	23.43	0.220	23.23	0.210
5	QPSK	12	7	23.33	0.215	23.76	0.238	23.45	0.221
5	QPSK	12	13	23.27	0.212	23.50	0.224	23.51	0.224
5	QPSK	25	0	23.30	0.214	23.51	0.224	23.44	0.221
5	16QAM	1	0	23.54	0.226	23.52	0.225	23.35	0.216
5	16QAM	1	12	23.15	0.207	23.69	0.234	23.25	0.211
5	16QAM	1	24	23.01	0.200	23.50	0.224	23.51	0.224
5	16QAM	12	0	23.19	0.208	23.36	0.217	23.31	0.214
5	16QAM	12	7	23.31	0.214	23.46	0.222	23.44	0.221
5	16QAM	12	13	23.37	0.217	23.36	0.217	23.23	0.210
5	16QAM	25	0	23.29	0.213	23.44	0.221	23.21	0.209
5	64QAM	1	0	22.84	0.192	22.96	0.198	22.54	0.179
5	64QAM	1	12	22.84	0.192	22.89	0.195	22.50	0.178
5	64QAM	1	24	22.69	0.186	22.82	0.191	22.83	0.192
5	64QAM	12	0	22.64	0.184	22.42	0.175	22.50	0.178
5	64QAM	12	7	22.65	0.184	22.64	0.184	22.58	0.181
5	64QAM	12	13	22.63	0.183	22.43	0.175	22.49	0.177
5	64QAM	25	0	22.37	0.173	22.49	0.177	22.31	0.170





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	21.80	0.151	21.86	0.153	21.84	0.153
20	QPSK	1	49	21.65	0.146	21.64	0.146	21.60	0.145
20	QPSK	1	99	21.58	0.144	21.57	0.144	21.60	0.145
20	QPSK	50	0	21.03	0.127	21.10	0.129	21.06	0.128
20	QPSK	50	24	20.84	0.121	20.86	0.122	20.99	0.126
20	QPSK	50	50	20.88	0.122	20.96	0.125	20.84	0.121
20	QPSK	100	0	20.86	0.122	20.86	0.122	20.78	0.120
20	16QAM	1	0	20.91	0.123	20.67	0.117	20.95	0.124
20	16QAM	1	49	20.96	0.125	20.70	0.117	20.76	0.119
20	16QAM	1	99	20.96	0.125	21.14	0.130	20.93	0.124
20	16QAM	50	0	21.08	0.128	21.05	0.127	21.02	0.126
20	16QAM	50	24	20.97	0.125	20.97	0.125	20.98	0.125
20	16QAM	50	50	20.94	0.124	20.86	0.122	20.82	0.121
20	16QAM	100	0	20.90	0.123	20.93	0.124	20.99	0.126
20	64QAM	1	0	20.23	0.105	20.00	0.100	20.33	0.108
20	64QAM	1	49	20.00	0.100	20.33	0.108	20.32	0.108
20	64QAM	1	99	20.23	0.105	20.35	0.108	20.43	0.110
20	64QAM	50	0	20.19	0.104	20.09	0.102	20.22	0.105
20	64QAM	50	24	20.13	0.103	20.07	0.102	20.19	0.104
20	64QAM	50	50	20.15	0.104	20.03	0.101	20.09	0.102
20	64QAM	100	0	20.14	0.103	20.14	0.103	20.12	0.103



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	21.78	0.151	21.82	0.152	21.80	0.151
15	QPSK	1	37	21.82	0.152	21.78	0.151	21.76	0.150
15	QPSK	1	74	21.76	0.150	21.72	0.149	21.70	0.148
15	QPSK	36	0	20.97	0.125	20.94	0.124	20.98	0.125
15	QPSK	36	20	20.97	0.125	20.89	0.123	20.99	0.126
15	QPSK	36	39	20.83	0.121	20.88	0.122	20.85	0.122
15	QPSK	75	0	20.92	0.124	20.96	0.125	20.89	0.123
15	16QAM	1	0	20.91	0.123	20.78	0.120	21.08	0.128
15	16QAM	1	37	20.78	0.120	21.08	0.128	21.01	0.126
15	16QAM	1	74	20.88	0.122	20.78	0.120	20.78	0.120
15	16QAM	36	0	21.09	0.129	21.09	0.129	21.00	0.126
15	16QAM	36	20	21.12	0.129	21.11	0.129	21.17	0.131
15	16QAM	36	39	21.04	0.127	21.19	0.132	21.13	0.130
15	16QAM	75	0	21.14	0.130	21.12	0.129	21.08	0.128
15	64QAM	1	0	20.45	0.111	20.35	0.108	20.45	0.111
15	64QAM	1	37	20.47	0.111	20.25	0.106	20.35	0.108
15	64QAM	1	74	20.12	0.103	20.38	0.109	20.45	0.111
15	64QAM	36	0	20.24	0.106	20.23	0.105	20.36	0.109
15	64QAM	36	20	20.34	0.108	20.30	0.107	20.31	0.107
15	64QAM	36	39	20.23	0.105	20.17	0.104	20.21	0.105
15	64QAM	75	0	20.25	0.106	20.27	0.106	20.24	0.106



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	21.81	0.152	21.81	0.152	21.82	0.152
10	QPSK	1	25	21.71	0.148	21.69	0.148	21.77	0.150
10	QPSK	1	49	21.85	0.153	21.73	0.149	21.63	0.146
10	QPSK	25	0	21.28	0.134	21.21	0.132	21.28	0.134
10	QPSK	25	12	21.25	0.133	21.44	0.139	21.22	0.132
10	QPSK	25	25	21.21	0.132	21.17	0.131	21.09	0.129
10	QPSK	50	0	21.29	0.135	21.14	0.130	21.33	0.136
10	16QAM	1	0	21.21	0.132	21.21	0.132	21.41	0.138
10	16QAM	1	25	21.21	0.132	21.30	0.135	21.42	0.139
10	16QAM	1	49	21.04	0.127	21.24	0.133	21.12	0.129
10	16QAM	25	0	21.05	0.127	21.22	0.132	21.10	0.129
10	16QAM	25	12	21.04	0.127	21.24	0.133	21.15	0.130
10	16QAM	25	25	20.95	0.124	21.00	0.126	21.00	0.126
10	16QAM	50	0	21.11	0.129	21.15	0.130	21.16	0.131
10	64QAM	1	0	20.28	0.107	20.28	0.107	19.95	0.099
10	64QAM	1	25	19.95	0.099	20.08	0.102	19.98	0.100
10	64QAM	1	49	19.95	0.099	19.95	0.099	19.95	0.099
10	64QAM	25	0	20.28	0.107	20.26	0.106	20.28	0.107
10	64QAM	25	12	20.27	0.106	20.31	0.107	20.35	0.108
10	64QAM	25	25	20.27	0.106	20.20	0.105	20.22	0.105
10	64QAM	50	0	20.17	0.104	20.27	0.106	20.28	0.107



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	21.70	0.148	21.73	0.149	21.78	0.151
5	QPSK	1	12	21.73	0.149	21.73	0.149	21.72	0.149
5	QPSK	1	24	21.81	0.152	21.71	0.148	21.77	0.150
5	QPSK	12	0	20.97	0.125	20.99	0.126	20.95	0.124
5	QPSK	12	7	20.99	0.126	21.07	0.128	21.00	0.126
5	QPSK	12	13	20.85	0.122	20.91	0.123	20.92	0.124
5	QPSK	25	0	20.95	0.124	20.96	0.125	20.95	0.124
5	16QAM	1	0	21.44	0.139	21.13	0.130	21.14	0.130
5	16QAM	1	12	21.07	0.128	21.36	0.137	21.31	0.135
5	16QAM	1	24	21.19	0.132	21.08	0.128	21.43	0.139
5	16QAM	12	0	21.08	0.128	21.19	0.132	21.15	0.130
5	16QAM	12	7	21.25	0.133	21.17	0.131	21.29	0.135
5	16QAM	12	13	21.16	0.131	21.10	0.129	21.17	0.131
5	16QAM	25	0	21.17	0.131	21.19	0.132	21.11	0.129
5	64QAM	1	0	19.95	0.099	20.35	0.108	20.15	0.104
5	64QAM	1	12	20.25	0.106	20.25	0.106	20.25	0.106
5	64QAM	1	24	20.08	0.102	20.12	0.103	20.08	0.102
5	64QAM	12	0	20.32	0.108	20.07	0.102	20.28	0.107
5	64QAM	12	7	20.40	0.110	19.99	0.100	20.30	0.107
5	64QAM	12	13	20.23	0.105	20.35	0.108	20.30	0.107
5	64QAM	25	0	20.30	0.107	20.38	0.109	20.25	0.106



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	21.77	0.150	21.68	0.147	21.67	0.147
3	QPSK	1	8	21.64	0.146	21.65	0.146	21.73	0.149
3	QPSK	1	14	21.55	0.143	21.36	0.137	21.66	0.147
3	QPSK	8	0	21.23	0.133	21.20	0.132	21.24	0.133
3	QPSK	8	4	21.18	0.131	21.10	0.129	21.20	0.132
3	QPSK	8	7	21.04	0.127	21.09	0.129	21.06	0.128
3	QPSK	15	0	21.13	0.130	21.17	0.131	21.10	0.129
3	16QAM	1	0	20.82	0.121	21.23	0.133	20.99	0.126
3	16QAM	1	8	21.15	0.130	21.09	0.129	21.08	0.128
3	16QAM	1	14	21.19	0.132	21.08	0.128	20.78	0.120
3	16QAM	8	0	21.00	0.126	21.00	0.126	20.91	0.123
3	16QAM	8	4	21.03	0.127	21.02	0.126	21.08	0.128
3	16QAM	8	7	20.95	0.124	21.10	0.129	21.04	0.127
3	16QAM	15	0	21.05	0.127	21.03	0.127	20.99	0.126
3	64QAM	1	0	20.36	0.109	20.26	0.106	20.36	0.109
3	64QAM	1	8	20.38	0.109	20.16	0.104	20.26	0.106
3	64QAM	1	14	20.03	0.101	20.29	0.107	20.36	0.109
3	64QAM	8	0	20.15	0.104	20.14	0.103	20.27	0.106
3	64QAM	8	4	20.25	0.106	20.21	0.105	20.22	0.105
3	64QAM	8	7	20.14	0.103	20.08	0.102	20.12	0.103
3	64QAM	15	0	20.16	0.104	20.18	0.104	20.15	0.104



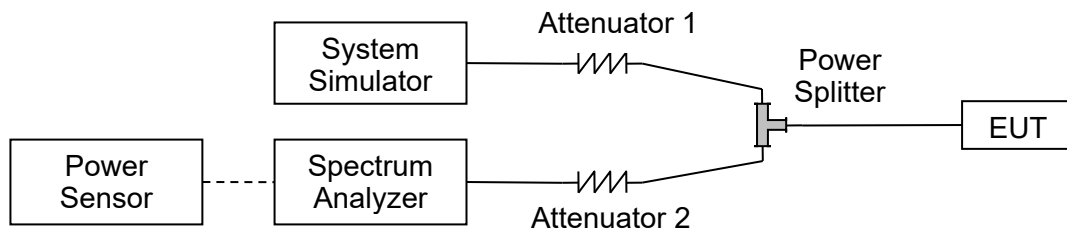
LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.71	0.148	21.62	0.145	21.63	0.146
1.4	QPSK	1	3	21.77	0.150	21.79	0.151	21.79	0.151
1.4	QPSK	1	5	21.69	0.148	21.57	0.144	21.73	0.149
1.4	QPSK	3	0	21.68	0.147	21.61	0.145	21.68	0.147
1.4	QPSK	3	1	21.65	0.146	21.71	0.148	21.62	0.145
1.4	QPSK	3	3	21.66	0.147	21.62	0.145	21.54	0.143
1.4	QPSK	6	0	21.26	0.134	21.11	0.129	21.30	0.135
1.4	16QAM	1	0	21.13	0.130	21.13	0.130	21.33	0.136
1.4	16QAM	1	3	21.13	0.130	21.22	0.132	21.34	0.136
1.4	16QAM	1	5	20.96	0.125	21.16	0.131	21.04	0.127
1.4	16QAM	3	0	20.91	0.123	20.88	0.122	21.14	0.130
1.4	16QAM	3	1	21.00	0.126	20.90	0.123	21.02	0.126
1.4	16QAM	3	3	21.01	0.126	21.02	0.126	20.96	0.125
1.4	16QAM	6	0	20.90	0.123	20.81	0.121	20.82	0.121
1.4	64QAM	1	0	20.41	0.110	20.26	0.106	20.42	0.110
1.4	64QAM	1	3	20.14	0.103	20.23	0.105	20.23	0.105
1.4	64QAM	1	5	20.11	0.103	20.11	0.103	20.22	0.105
1.4	64QAM	3	0	20.20	0.105	20.18	0.104	20.20	0.105
1.4	64QAM	3	1	20.19	0.104	20.23	0.105	20.27	0.106
1.4	64QAM	3	3	20.19	0.104	20.12	0.103	20.14	0.103
1.4	64QAM	6	0	20.09	0.102	20.19	0.104	20.20	0.105

## 2.2. Occupied Bandwidth

### 2.2.1. Requirement

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

### 2.2.2. Test Description



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

### 2.2.3. Test Procedure

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

### 2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.29
	Low	16QAM	1.1	1.28
	Low	64QAM	1.1	1.3
	Mid	QPSK	1.1	1.27
	Mid	16QAM	1.1	1.28
	Mid	64QAM	1.1	1.3
	High	QPSK	1.1	1.3
	High	16QAM	1.1	1.28
	High	64QAM	1.1	1.3
3	Low	QPSK	2.69	2.98
	Low	16QAM	2.7	2.98
	Low	64QAM	2.69	2.97
	Mid	QPSK	2.69	2.97
	Mid	16QAM	2.7	2.98
	Mid	64QAM	2.7	2.96
	High	QPSK	2.69	2.98
	High	16QAM	2.7	2.98
	High	64QAM	2.7	2.97
5	Low	QPSK	4.49	5.02
	Low	16QAM	4.49	4.99
	Low	64QAM	4.5	5.01
	Mid	QPSK	4.49	4.99
	Mid	16QAM	4.49	4.97
	Mid	64QAM	4.49	5.0
	High	QPSK	4.49	5.0
	High	16QAM	4.49	4.99
	High	64QAM	4.5	4.99
10	Low	QPSK	8.99	9.85
	Low	16QAM	8.95	9.78
	Low	64QAM	8.96	9.87
	Mid	QPSK	8.99	9.84
	Mid	16QAM	8.95	9.77
	Mid	64QAM	8.97	9.88
	High	QPSK	8.98	9.84
	High	16QAM	8.94	9.79
	High	64QAM	8.97	9.88





15	Low	QPSK	13.44	14.68
	Low	16QAM	13.43	14.72
	Low	64QAM	13.43	14.67
	Mid	QPSK	13.43	14.66
	Mid	16QAM	13.44	14.65
	Mid	64QAM	13.43	14.67
	High	QPSK	13.39	14.56
	High	16QAM	13.41	14.78
	High	64QAM	13.39	14.71
20	Low	QPSK	17.91	19.43
	Low	16QAM	17.94	19.38
	Low	64QAM	17.91	19.54
	Mid	QPSK	17.94	19.49
	Mid	16QAM	17.93	19.51
	Mid	64QAM	17.93	19.55
	High	QPSK	17.83	19.38
	High	16QAM	17.92	19.35
	High	64QAM	17.85	19.46



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.1	1.27
	Low	16QAM	1.1	1.28
	Low	64QAM	1.1	1.28
	Mid	QPSK	1.1	1.28
	Mid	16QAM	1.1	1.29
	Mid	64QAM	1.1	1.29
	High	QPSK	1.1	1.27
	High	16QAM	1.1	1.29
	High	64QAM	1.1	1.3
3	Low	QPSK	2.69	2.96
	Low	16QAM	2.7	2.98
	Low	64QAM	2.7	2.97
	Mid	QPSK	2.7	2.97
	Mid	16QAM	2.7	2.98
	Mid	64QAM	2.7	2.97
	High	QPSK	2.69	2.97
	High	16QAM	2.7	2.98
	High	64QAM	2.7	2.97
5	Low	QPSK	4.49	5.01
	Low	16QAM	4.49	4.97
	Low	64QAM	4.5	5.0
	Mid	QPSK	4.49	5.01
	Mid	16QAM	4.49	4.97
	Mid	64QAM	4.49	5.01
	High	QPSK	4.49	4.99
	High	16QAM	4.49	4.99
	High	64QAM	4.5	4.99
10	Low	QPSK	8.96	9.82
	Low	16QAM	8.94	9.75
	Low	64QAM	8.96	9.8
	Mid	QPSK	8.98	9.84
	Mid	16QAM	8.95	9.8
	Mid	64QAM	8.97	9.87
	High	QPSK	8.95	9.86
	High	16QAM	8.95	9.81
	High	64QAM	8.97	9.87



15	Low	QPSK	13.44	14.57
	Low	16QAM	13.39	14.55
	Low	64QAM	13.4	14.62
	Mid	QPSK	13.42	14.64
	Mid	16QAM	13.44	14.6
	Mid	64QAM	13.41	14.73
	High	QPSK	13.39	14.56
	High	16QAM	13.41	14.72
	High	64QAM	13.38	14.57
20	Low	QPSK	17.93	19.4
	Low	16QAM	17.91	19.42
	Low	64QAM	17.88	19.44
	Mid	QPSK	17.9	19.5
	Mid	16QAM	17.94	19.51
	Mid	64QAM	17.91	19.44
	High	QPSK	17.88	19.41
	High	16QAM	17.92	19.41
	High	64QAM	17.85	19.43



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.29
	Low	16QAM	1.1	1.28
	Low	64QAM	1.1	1.28
	Mid	QPSK	1.1	1.28
	Mid	16QAM	1.1	1.29
	Mid	64QAM	1.1	1.29
	High	QPSK	1.1	1.28
	High	16QAM	1.1	1.29
	High	64QAM	1.1	1.28
3	Low	QPSK	2.7	2.98
	Low	16QAM	2.69	2.98
	Low	64QAM	2.69	2.96
	Mid	QPSK	2.69	2.97
	Mid	16QAM	2.69	2.99
	Mid	64QAM	2.7	2.96
	High	QPSK	2.7	2.98
	High	16QAM	2.7	2.97
	High	64QAM	2.7	2.97
5	Low	QPSK	4.48	5.0
	Low	16QAM	4.48	4.97
	Low	64QAM	4.49	5.0
	Mid	QPSK	4.49	4.99
	Mid	16QAM	4.48	4.97
	Mid	64QAM	4.49	4.97
	High	QPSK	4.49	4.98
	High	16QAM	4.48	4.97
	High	64QAM	4.48	4.96
10	Low	QPSK	8.99	9.87
	Low	16QAM	8.95	9.78
	Low	64QAM	8.97	9.85
	Mid	QPSK	8.97	9.84
	Mid	16QAM	8.95	9.85
	Mid	64QAM	8.97	9.84
	High	QPSK	8.96	9.83
	High	16QAM	8.94	9.8
	High	64QAM	8.95	9.77



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.48	5.01
	Low	16QAM	4.48	4.98
	Low	64QAM	4.49	4.94
	Mid	QPSK	4.49	4.98
	Mid	16QAM	4.49	4.98
	Mid	64QAM	4.49	4.98
	High	QPSK	4.48	4.99
	High	16QAM	4.49	4.98
	High	64QAM	4.49	4.94
10	Low	QPSK	8.98	9.87
	Low	16QAM	8.94	9.72
	Low	64QAM	8.97	9.88
	Mid	QPSK	8.97	9.84
	Mid	16QAM	8.95	9.82
	Mid	64QAM	8.96	9.83
	High	QPSK	8.97	9.8
	High	16QAM	8.94	9.81
	High	64QAM	8.97	9.9
15	Low	QPSK	13.43	14.67
	Low	16QAM	13.43	14.68
	Low	64QAM	13.4	14.57
	Mid	QPSK	13.42	14.62
	Mid	16QAM	13.43	14.61
	Mid	64QAM	13.4	14.54
	High	QPSK	13.42	14.61
	High	16QAM	13.41	14.73
	High	64QAM	13.4	14.57
20	Low	QPSK	17.91	19.38
	Low	16QAM	17.9	19.41
	Low	64QAM	17.91	19.41
	Mid	QPSK	17.91	19.46
	Mid	16QAM	17.94	19.53
	Mid	64QAM	17.93	19.41
	High	QPSK	17.87	19.46
	High	16QAM	17.89	19.41
	High	64QAM	17.89	19.3



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.1	1.27
	Low	16QAM	1.1	1.29
	Low	64QAM	1.1	1.28
	Mid	QPSK	1.1	1.28
	Mid	16QAM	1.1	1.29
	Mid	64QAM	1.1	1.28
	High	QPSK	1.1	1.27
	High	16QAM	1.1	1.28
	High	64QAM	1.1	1.29
3	Low	QPSK	2.69	2.98
	Low	16QAM	2.69	2.99
	Low	64QAM	2.7	2.96
	Mid	QPSK	2.7	2.97
	Mid	16QAM	2.7	2.99
	Mid	64QAM	2.7	2.97
	High	QPSK	2.69	2.96
	High	16QAM	2.7	2.98
	High	64QAM	2.7	2.97
5	Low	QPSK	4.48	5.0
	Low	16QAM	4.48	5.01
	Low	64QAM	4.49	4.98
	Mid	QPSK	4.49	4.99
	Mid	16QAM	4.49	5.03
	Mid	64QAM	4.5	4.98
	High	QPSK	4.47	5.0
	High	16QAM	4.48	4.97
	High	64QAM	4.49	4.92
10	Low	QPSK	8.95	9.81
	Low	16QAM	8.93	9.83
	Low	64QAM	8.96	9.85
	Mid	QPSK	8.98	9.86
	Mid	16QAM	8.97	9.83
	Mid	64QAM	8.97	9.89
	High	QPSK	8.98	9.84
	High	16QAM	8.95	9.78
	High	64QAM	8.97	9.81



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	5.0
	Low	16QAM	4.49	4.98
	Low	64QAM	4.5	4.95
	Mid	QPSK	4.49	4.99
	Mid	16QAM	4.49	4.96
	Mid	64QAM	4.5	4.96
	High	QPSK	4.48	4.98
	High	16QAM	4.48	4.94
	High	64QAM	4.48	4.93
10	Low	QPSK	8.98	9.87
	Low	16QAM	8.97	9.76
	Low	64QAM	8.99	9.87
	Mid	QPSK	8.98	9.81
	Mid	16QAM	8.95	9.84
	Mid	64QAM	9.0	9.9
	High	QPSK	8.98	9.83
	High	16QAM	8.94	9.78
	High	64QAM	8.96	9.89



LTE Band 26				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.27
	Low	16QAM	1.1	1.28
	Low	64QAM	1.1	1.3
	Mid	QPSK	1.1	1.28
	Mid	16QAM	1.1	1.29
	Mid	64QAM	1.1	1.3
	High	QPSK	1.1	1.29
	High	16QAM	1.1	1.28
	High	64QAM	1.09	1.29
3	Low	QPSK	2.65	2.88
	Low	16QAM	2.7	2.98
	Low	64QAM	2.7	2.97
	Mid	QPSK	2.7	2.97
	Mid	16QAM	2.69	2.99
	Mid	64QAM	2.7	2.97
	High	QPSK	2.69	2.98
	High	16QAM	2.7	2.98
	High	64QAM	2.7	2.97
5	Low	QPSK	4.48	4.97
	Low	16QAM	4.49	4.99
	Low	64QAM	4.5	4.98
	Mid	QPSK	4.48	4.99
	Mid	16QAM	4.48	4.98
	Mid	64QAM	4.49	4.95
	High	QPSK	4.49	4.97
	High	16QAM	4.48	4.96
	High	64QAM	4.49	4.96
10	Low	QPSK	8.97	9.84
	Low	16QAM	8.94	9.78
	Low	64QAM	8.96	9.8
	Mid	QPSK	8.98	9.88
	Mid	16QAM	8.94	9.77
	Mid	64QAM	8.98	9.9
	High	QPSK	8.95	9.83
	High	16QAM	8.93	9.79
	High	64QAM	8.95	9.82





15	Low	QPSK	13.45	14.66
	Low	16QAM	13.41	14.8
	Low	64QAM	13.4	14.56
	Mid	QPSK	13.46	14.69
	Mid	16QAM	13.42	14.75
	Mid	64QAM	13.41	14.56
	High	QPSK	13.42	14.56
	High	16QAM	13.41	14.74
	High	64QAM	13.4	14.57



LTE Band 38				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.49	5.12
	Low	16QAM	4.49	5.04
	Low	64QAM	4.49	4.94
	Mid	QPSK	4.49	5.04
	Mid	16QAM	4.49	5.0
	Mid	64QAM	4.49	4.93
	High	QPSK	4.48	5.08
	High	16QAM	4.48	5.0
	High	64QAM	4.49	4.92
10	Low	QPSK	8.95	9.79
	Low	16QAM	8.95	9.73
	Low	64QAM	8.96	9.73
	Mid	QPSK	8.95	9.79
	Mid	16QAM	8.95	9.9
	Mid	64QAM	8.94	9.82
	High	QPSK	8.96	9.77
	High	16QAM	8.94	9.73
	High	64QAM	8.96	9.81
15	Low	QPSK	13.41	14.64
	Low	16QAM	13.45	14.76
	Low	64QAM	13.38	14.62
	Mid	QPSK	13.43	14.54
	Mid	16QAM	13.42	14.63
	Mid	64QAM	13.42	14.65
	High	QPSK	13.47	14.55
	High	16QAM	13.43	14.59
	High	64QAM	13.42	14.49
20	Low	QPSK	17.87	19.38
	Low	16QAM	17.91	20.21
	Low	64QAM	17.9	19.81
	Mid	QPSK	17.87	19.63
	Mid	16QAM	17.94	20.7
	Mid	64QAM	17.89	19.74
	High	QPSK	17.84	19.59
	High	16QAM	17.89	19.95
	High	64QAM	17.92	19.72



LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.48	4.78
	Low	16QAM	4.47	4.73
	Low	64QAM	4.49	4.82
	Mid	QPSK	4.48	4.86
	Mid	16QAM	4.47	4.74
	Mid	64QAM	4.47	4.73
	High	QPSK	4.46	4.78
	High	16QAM	4.46	4.72
	High	64QAM	4.47	4.72
10	Low	QPSK	8.92	9.45
	Low	16QAM	8.89	9.40
	Low	64QAM	8.98	9.70
	Mid	QPSK	8.87	9.41
	Mid	16QAM	8.86	9.42
	Mid	64QAM	8.88	9.40
	High	QPSK	8.94	9.45
	High	16QAM	9.00	9.47
	High	64QAM	8.94	9.56
15	Low	QPSK	13.39	14.13
	Low	16QAM	13.41	14.13
	Low	64QAM	13.38	14.28
	Mid	QPSK	13.35	14.17
	Mid	16QAM	13.39	14.16
	Mid	64QAM	13.43	14.14
	High	QPSK	13.32	14.21
	High	16QAM	13.38	14.11
	High	64QAM	13.36	14.12
20	Low	QPSK	17.81	18.95
	Low	16QAM	17.85	18.89
	Low	64QAM	17.91	18.83
	Mid	QPSK	17.84	18.86
	Mid	16QAM	17.90	18.91
	Mid	64QAM	17.84	18.83
	High	QPSK	17.89	19.03
	High	16QAM	17.90	18.95
	High	64QAM	17.88	18.95



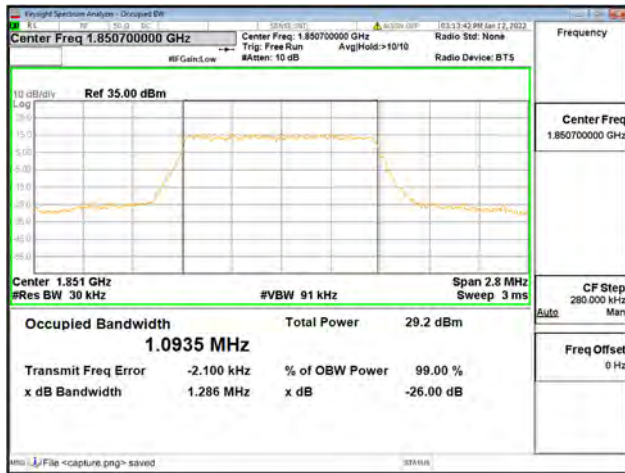
LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.1	1.27
	Low	16QAM	1.1	1.3
	Low	64QAM	1.1	1.29
	Mid	QPSK	1.1	1.28
	Mid	16QAM	1.1	1.29
	Mid	64QAM	1.1	1.29
	High	QPSK	1.1	1.28
	High	16QAM	1.1	1.28
	High	64QAM	1.1	1.29
3	Low	QPSK	2.7	2.98
	Low	16QAM	2.69	2.98
	Low	64QAM	2.7	2.96
	Mid	QPSK	2.69	2.97
	Mid	16QAM	2.7	2.98
	Mid	64QAM	2.7	2.98
	High	QPSK	2.7	2.99
	High	16QAM	2.69	2.97
	High	64QAM	2.7	2.96
5	Low	QPSK	4.48	4.99
	Low	16QAM	4.48	4.95
	Low	64QAM	4.5	4.99
	Mid	QPSK	4.49	5.0
	Mid	16QAM	4.49	5.02
	Mid	64QAM	4.5	5.0
	High	QPSK	4.49	4.99
	High	16QAM	4.49	4.98
	High	64QAM	4.49	5.0
10	Low	QPSK	8.99	9.83
	Low	16QAM	8.94	9.75
	Low	64QAM	8.95	9.85
	Mid	QPSK	8.96	9.86
	Mid	16QAM	8.95	9.76
	Mid	64QAM	8.96	9.85
	High	QPSK	8.98	9.74
	High	16QAM	8.95	9.78
	High	64QAM	8.96	9.89



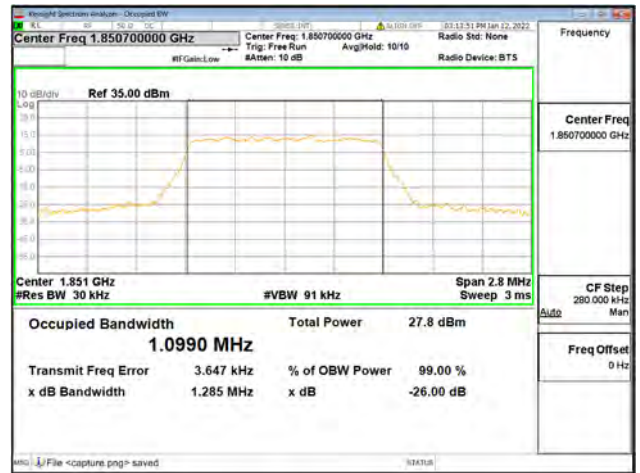
15	Low	QPSK	13.41	14.61
	Low	16QAM	13.41	14.76
	Low	64QAM	13.4	14.71
	Mid	QPSK	13.38	14.58
	Mid	16QAM	13.41	14.64
	Mid	64QAM	13.39	14.65
	High	QPSK	13.44	14.61
	High	16QAM	13.43	14.71
	High	64QAM	13.39	14.59
20	Low	QPSK	17.91	19.36
	Low	16QAM	17.9	19.48
	Low	64QAM	17.89	19.3
	Mid	QPSK	17.89	19.41
	Mid	16QAM	17.92	19.41
	Mid	64QAM	17.88	19.42
	High	QPSK	17.89	19.48
	High	16QAM	17.92	19.47
	High	64QAM	17.9	19.35



Band2 / 1.4MHz / Low CH / QPSK



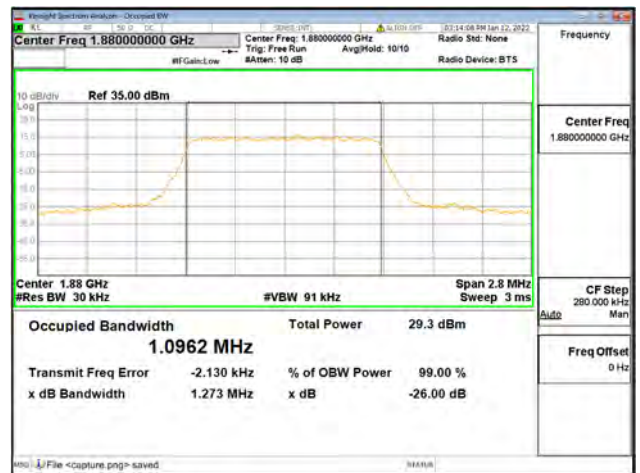
Band2 / 1.4MHz / Low CH / 16QAM



Band2 / 1.4MHz / Low CH / 64QAM



Band2 / 1.4MHz / Mid CH / QPSK



Band2 / 1.4MHz / Mid CH / 16QAM

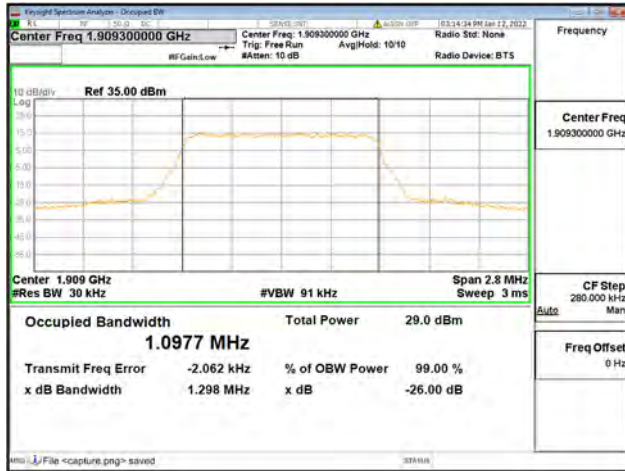


Band2 / 1.4MHz / Mid CH / 64QAM

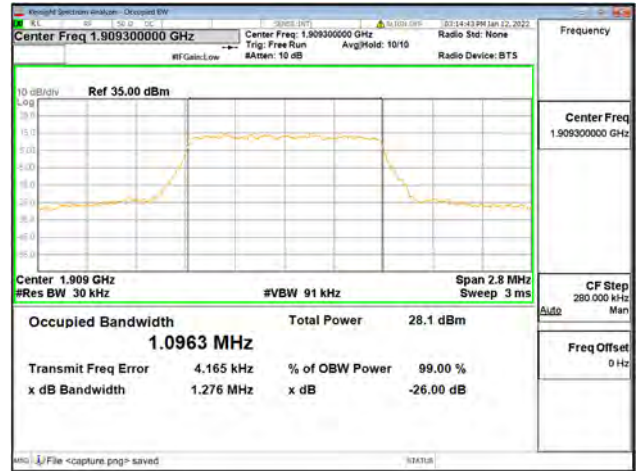




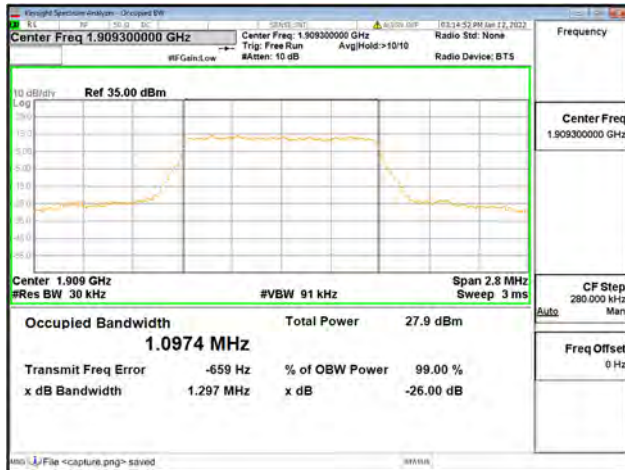
Band2 / 1.4MHz / High CH / QPSK



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

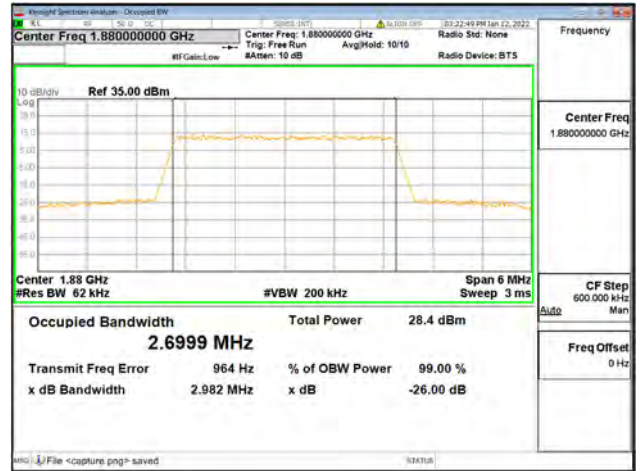




Band2 / 3MHz / Mid CH / QPSK



Band2 / 3MHz / Mid CH / 16QAM



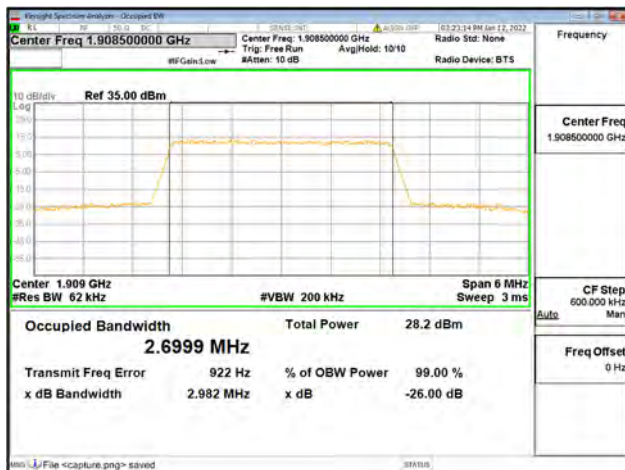
Band2 / 3MHz / Mid CH / 64QAM



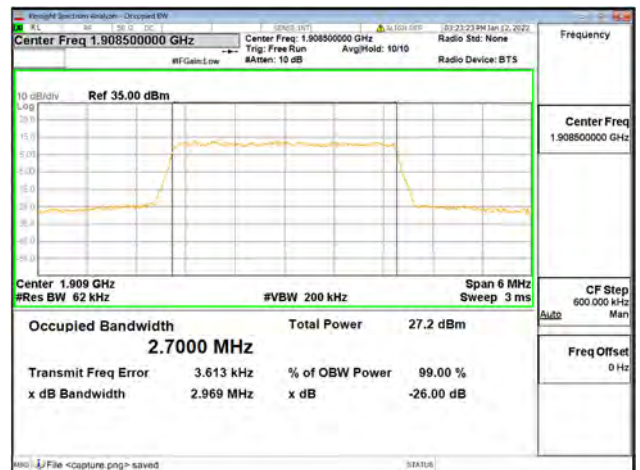
Band2 / 3MHz / High CH / QPSK



Band2 / 3MHz / High CH / 16QAM



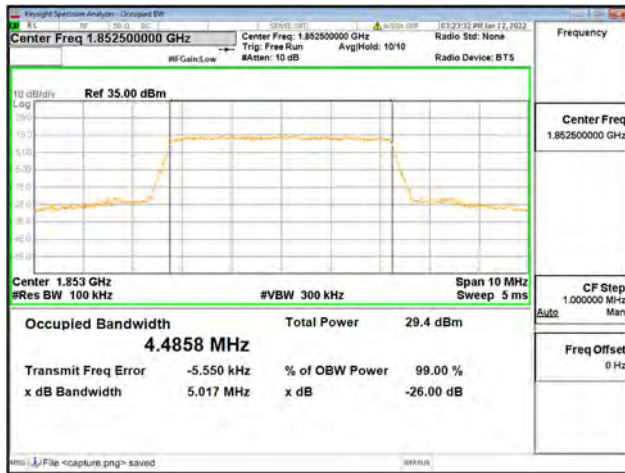
Band2 / 3MHz / High CH / 64QAM



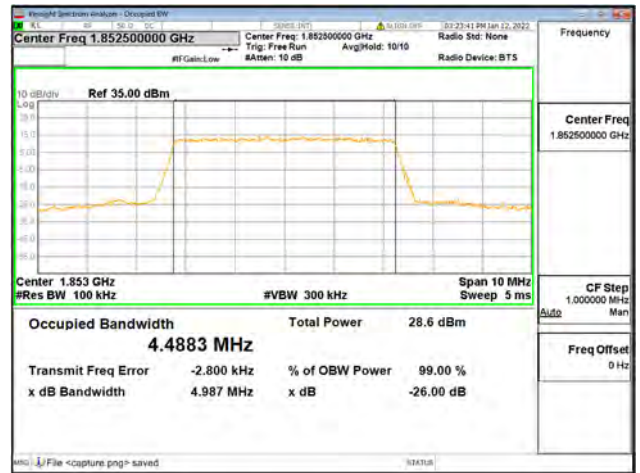




Band2 / 5MHz / Low CH / QPSK



Band2 / 5MHz / Low CH / 16QAM



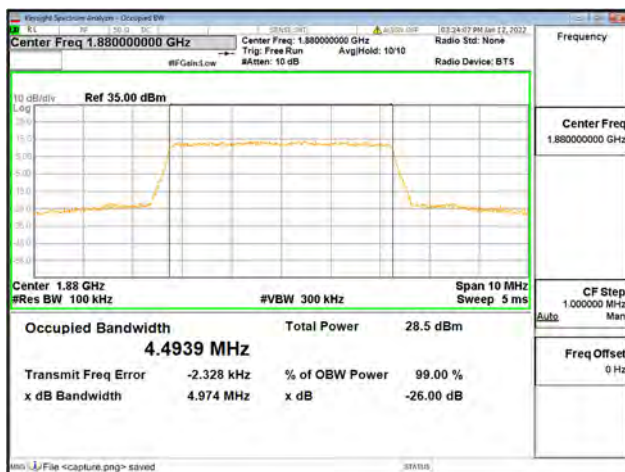
Band2 / 5MHz / Low CH / 64QAM



Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM

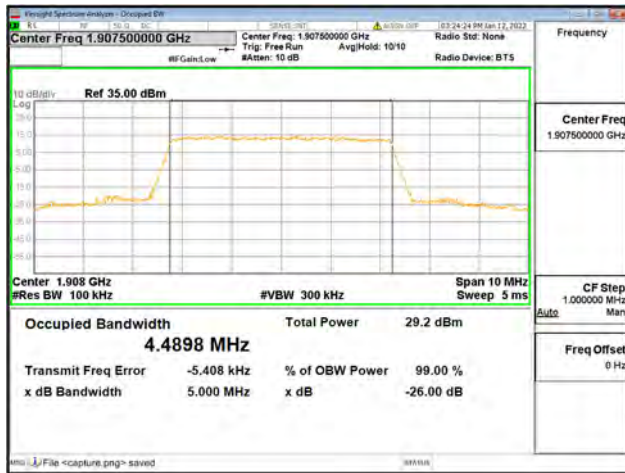


Band2 / 5MHz / Mid CH / 64QAM

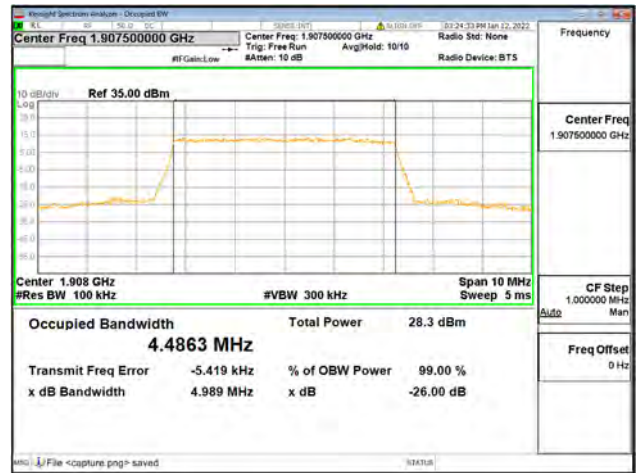




Band2 / 5MHz / High CH / QPSK



Band2 / 5MHz / High CH / 16QAM



Band2 / 5MHz / High CH / 64QAM



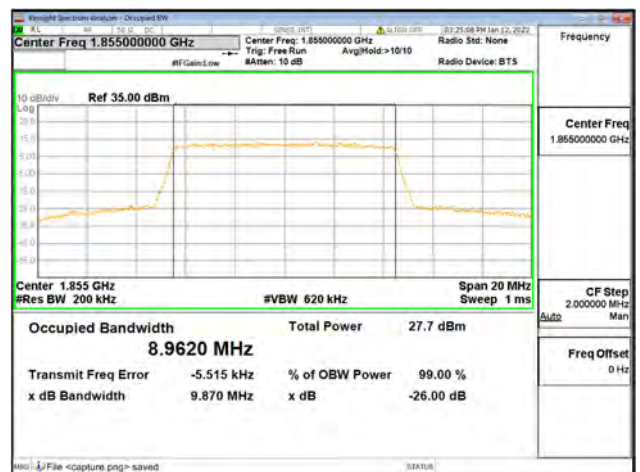
Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM



Band2 / 10MHz / Low CH / 64QAM

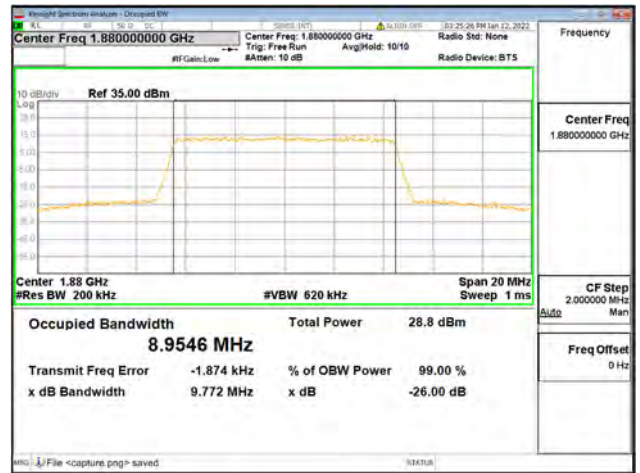




Band2 / 10MHz / Mid CH / QPSK



Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / Mid CH / 64QAM



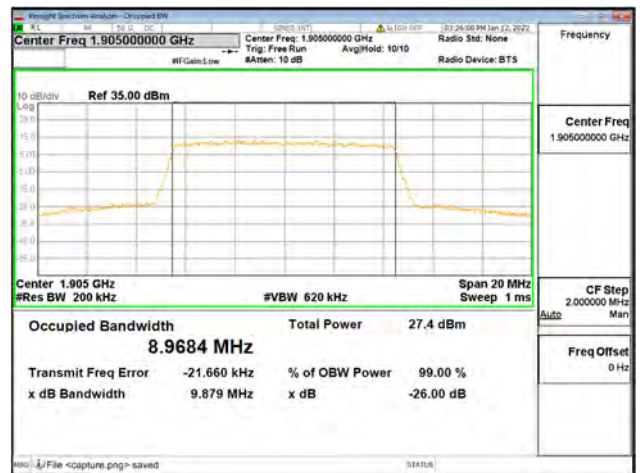
Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

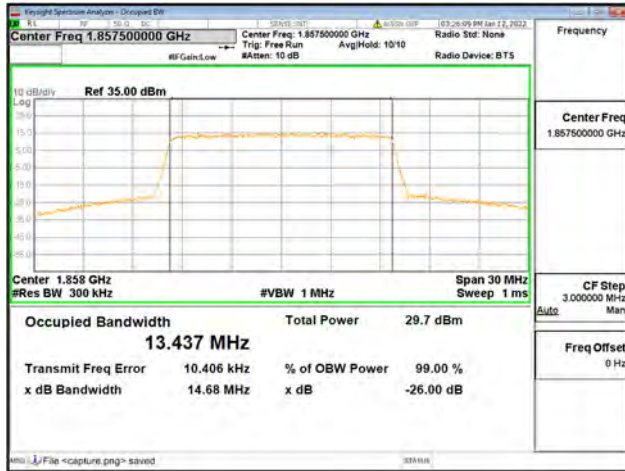


Band2 / 10MHz / High CH / 64QAM





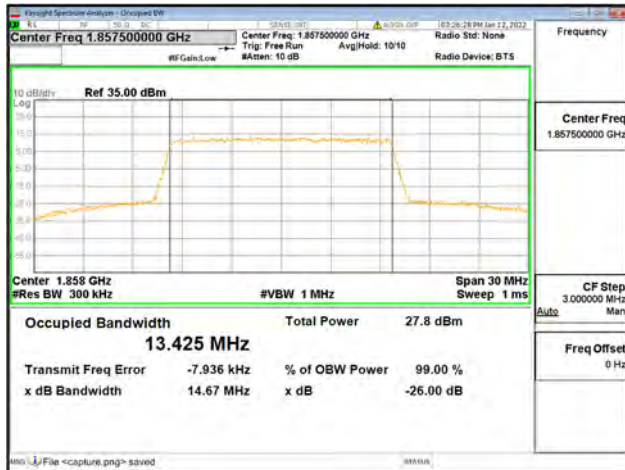
Band2 / 15MHz / Low CH / QPSK



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

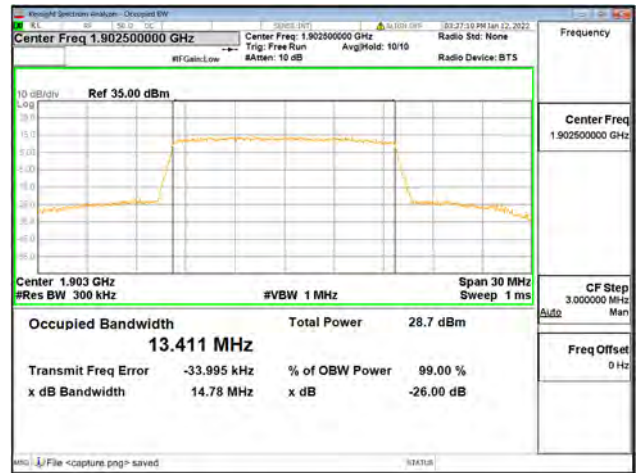




Band2 / 15MHz / High CH / QPSK



Band2 / 15MHz / High CH / 16QAM



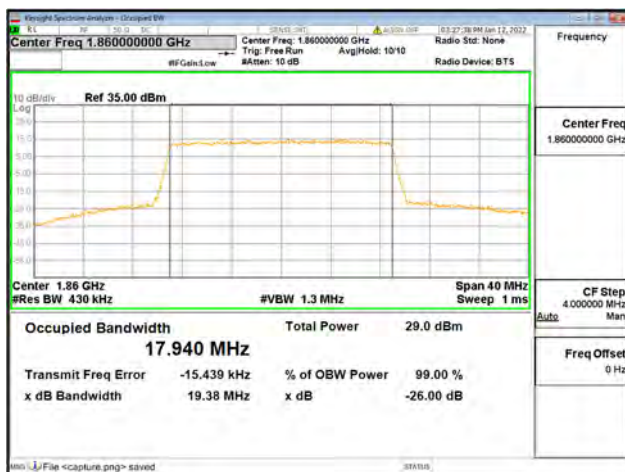
Band2 / 15MHz / High CH / 64QAM



Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM

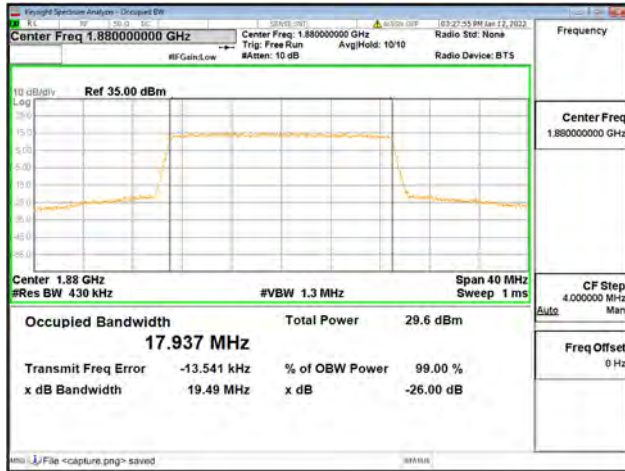


Band2 / 20MHz / Low CH / 64QAM





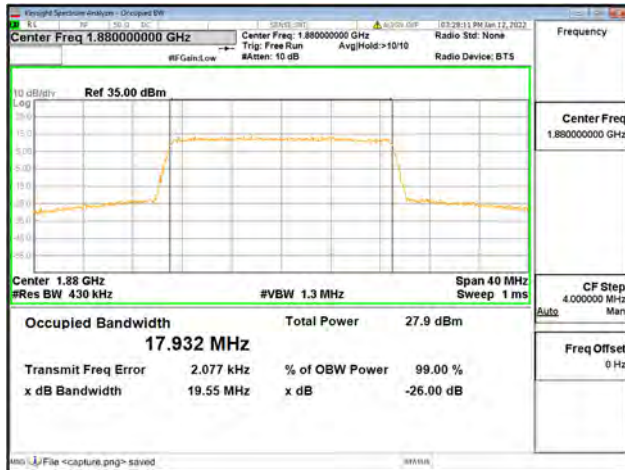
Band2 / 20MHz / Mid CH / QPSK



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

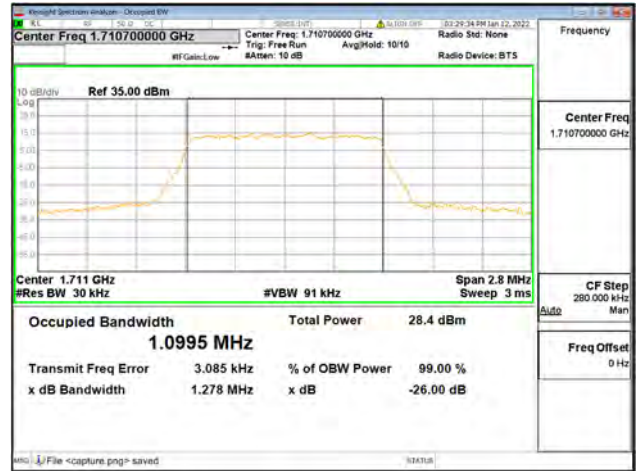




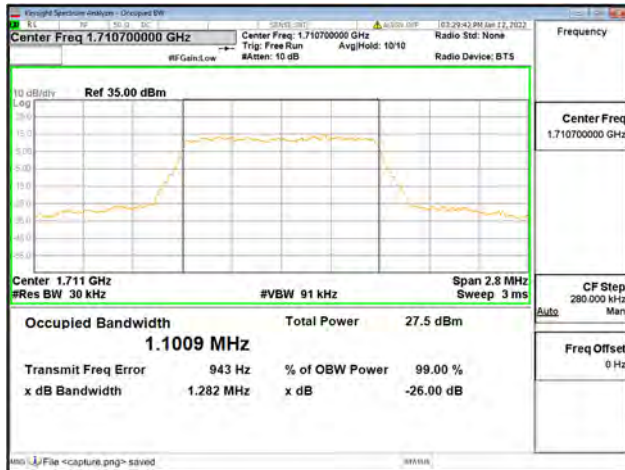
Band4 / 1.4MHz / Low CH / QPSK



Band4 / 1.4MHz / Low CH / 16QAM



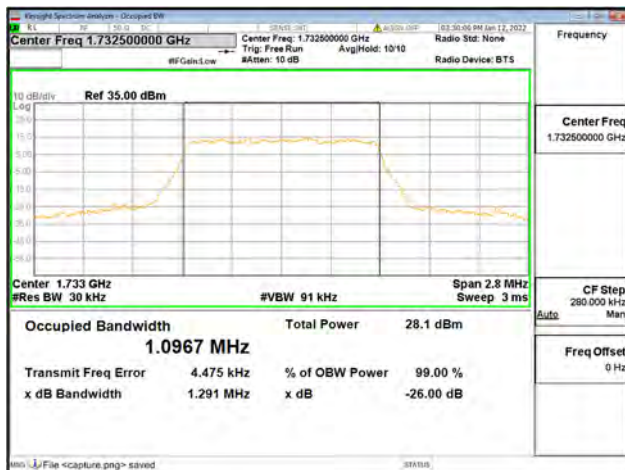
Band4 / 1.4MHz / Low CH / 64QAM



Band4 / 1.4MHz / Mid CH / QPSK



Band4 / 1.4MHz / Mid CH / 16QAM

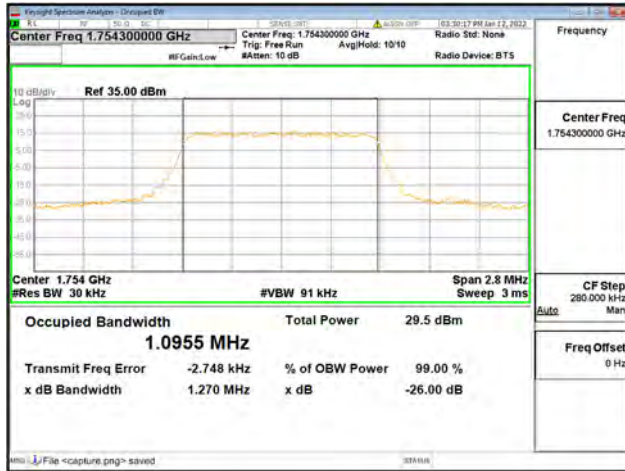


Band4 / 1.4MHz / Mid CH / 64QAM

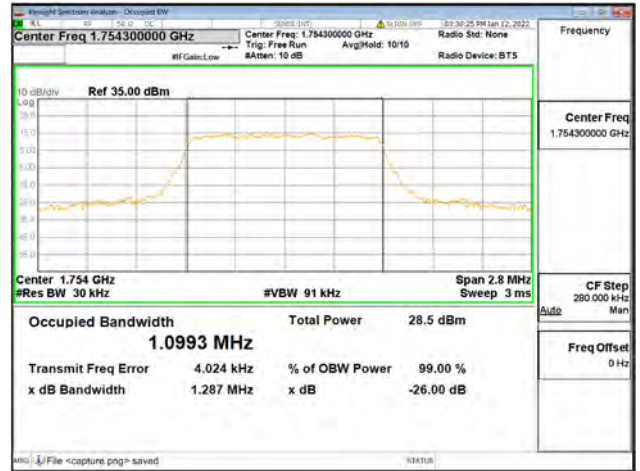




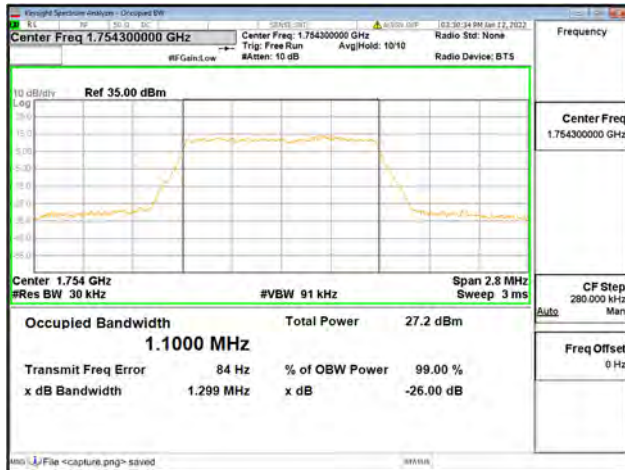
Band4 / 1.4MHz / High CH / QPSK



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







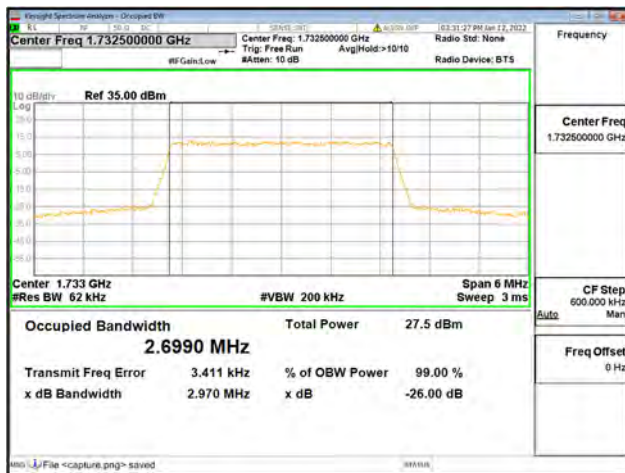
Band4 / 3MHz / Mid CH / QPSK



Band4 / 3MHz / Mid CH / 16QAM



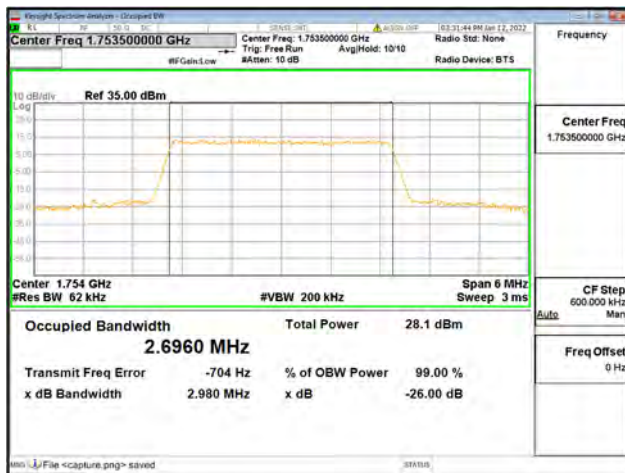
Band4 / 3MHz / Mid CH / 64QAM



Band4 / 3MHz / High CH / QPSK



Band4 / 3MHz / High CH / 16QAM

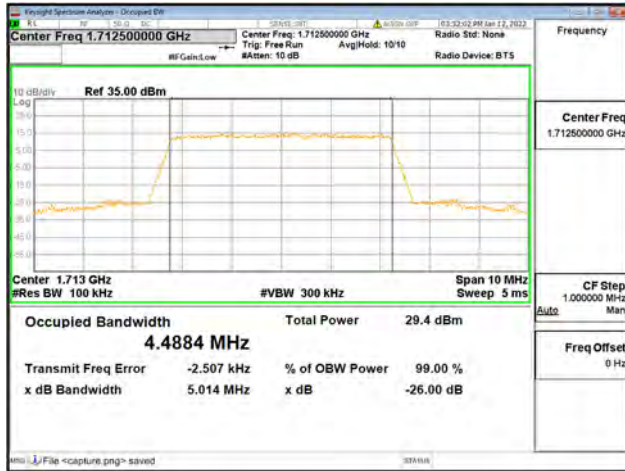


Band4 / 3MHz / High CH / 64QAM

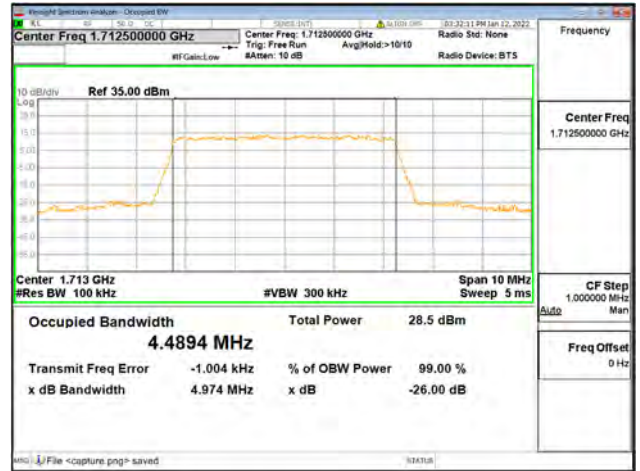




Band4 / 5MHz / Low CH / QPSK



Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Low CH / 64QAM



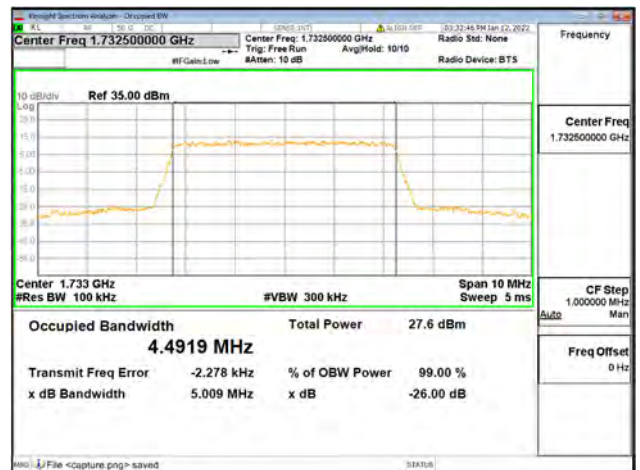
Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM



Band4 / 5MHz / Mid CH / 64QAM





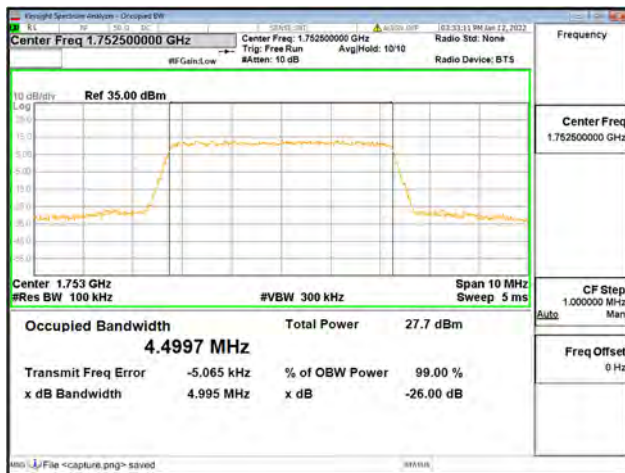
Band4 / 5MHz / High CH / QPSK



Band4 / 5MHz / High CH / 16QAM



Band4 / 5MHz / High CH / 64QAM



Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM

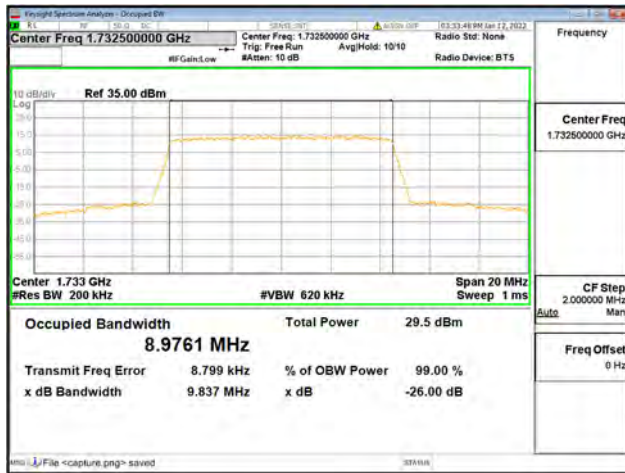


Band4 / 10MHz / Low CH / 64QAM

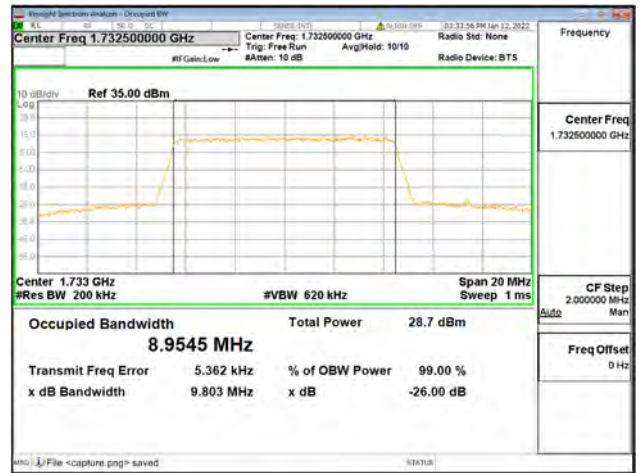




Band4 / 10MHz / Mid CH / QPSK



Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / Mid CH / 64QAM



Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM

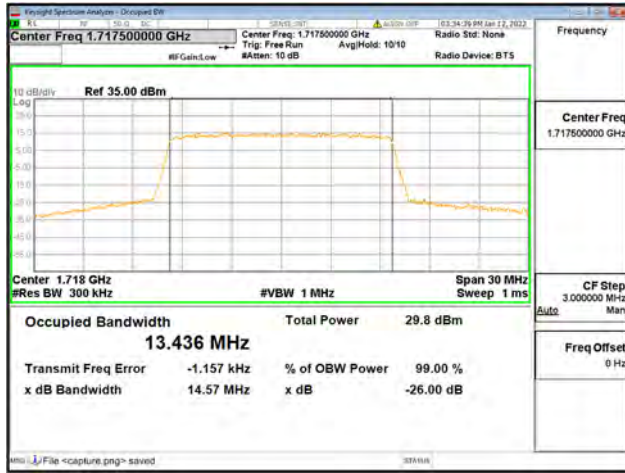


Band4 / 10MHz / High CH / 64QAM

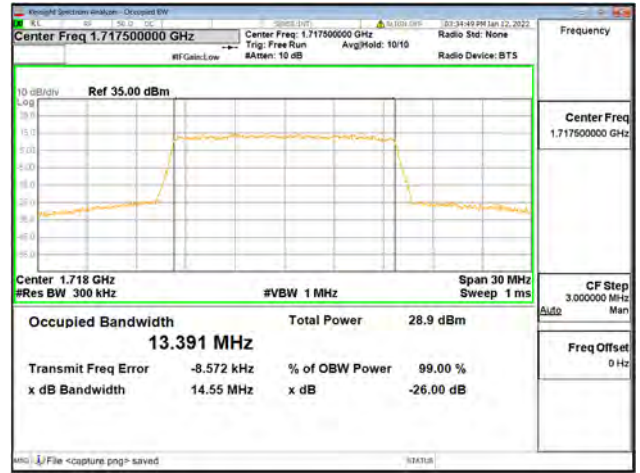




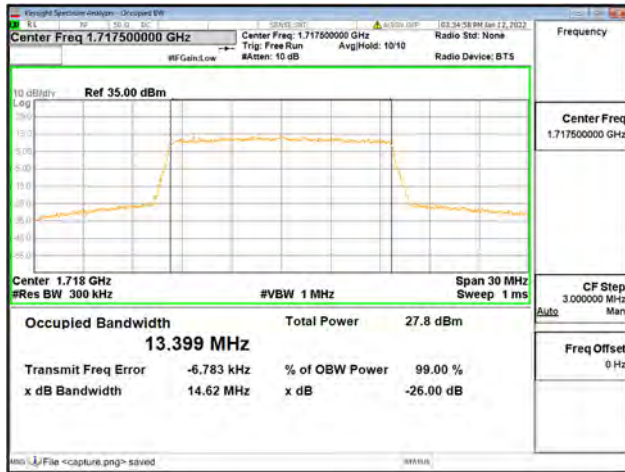
Band4 / 15MHz / Low CH / QPSK



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

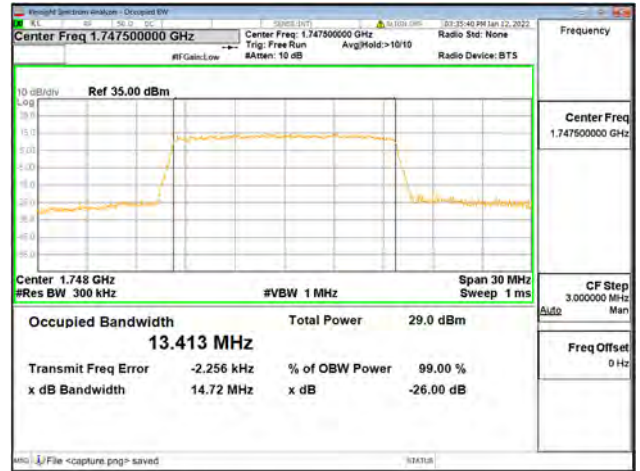




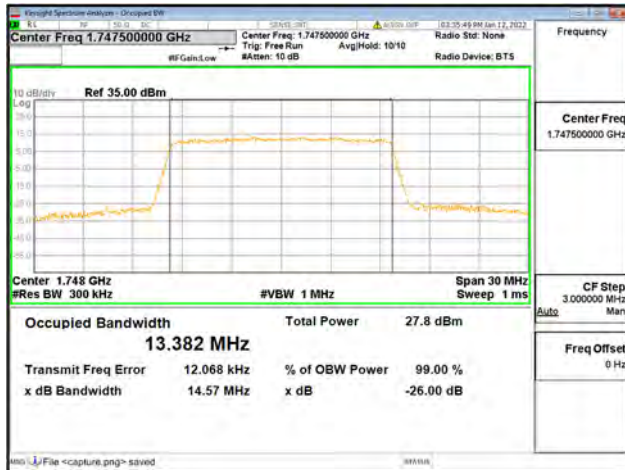
Band4 / 15MHz / High CH / QPSK



Band4 / 15MHz / High CH / 16QAM



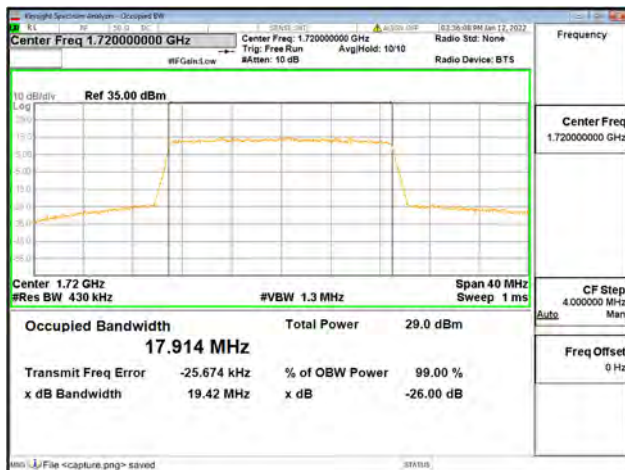
Band4 / 15MHz / High CH / 64QAM



Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM

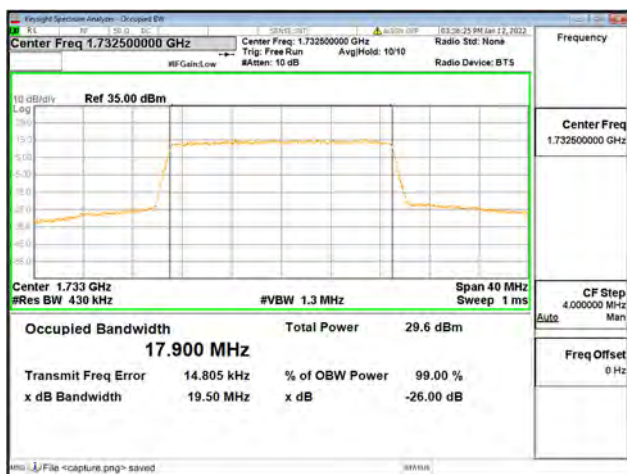


Band4 / 20MHz / Low CH / 64QAM





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

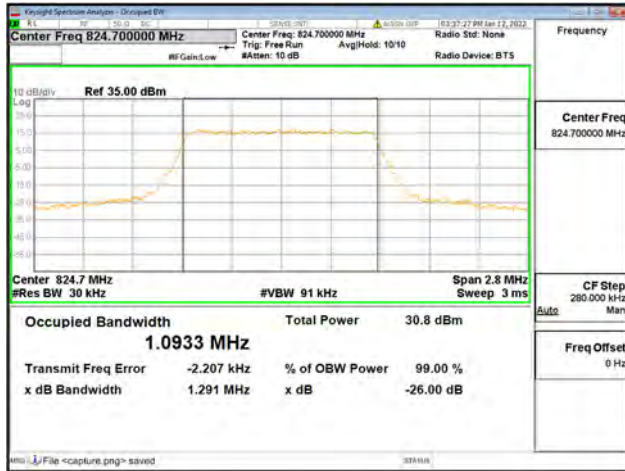


Band4 / 20MHz / High CH / 64QAM

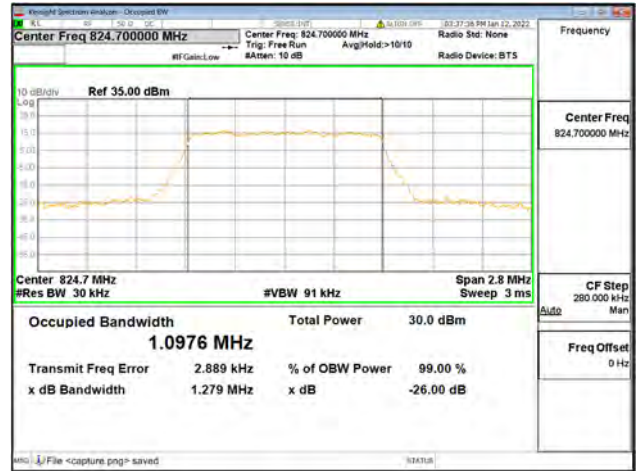




Band5 / 1.4MHz / Low CH / QPSK



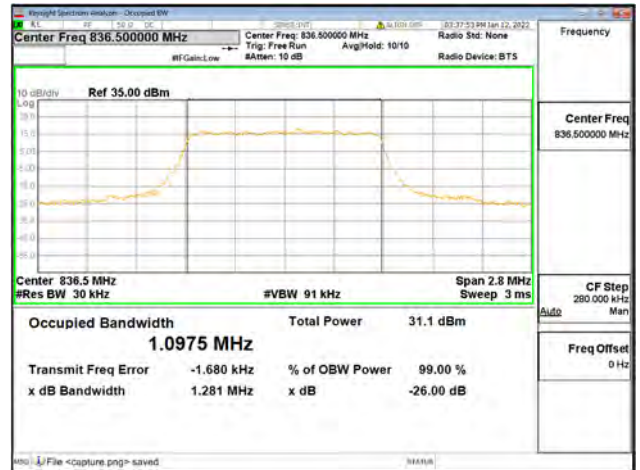
Band5 / 1.4MHz / Low CH / 16QAM



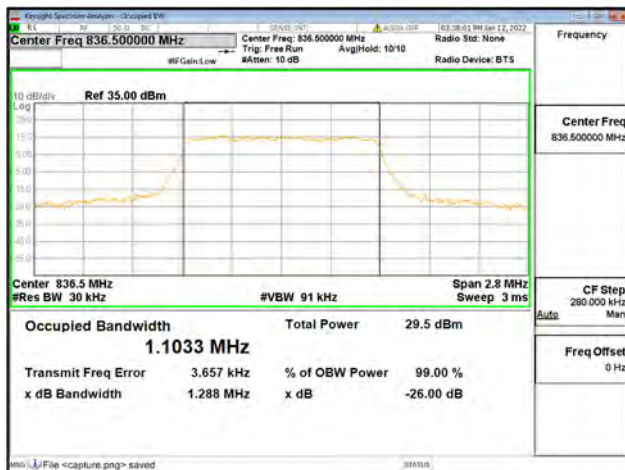
Band5 / 1.4MHz / Low CH / 64QAM



Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM



Band5 / 1.4MHz / Mid CH / 64QAM



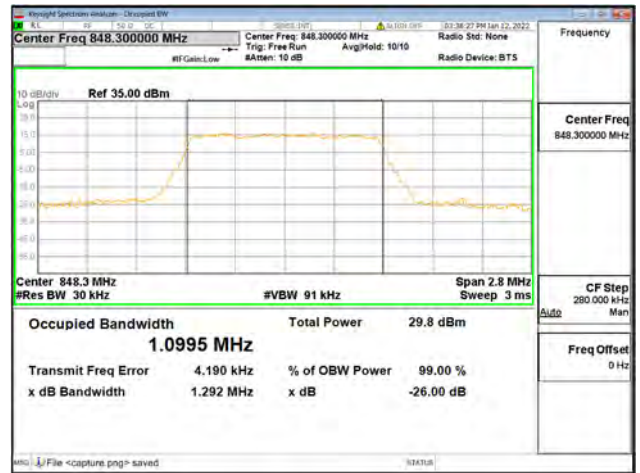




Band5 / 1.4MHz / High CH / QPSK



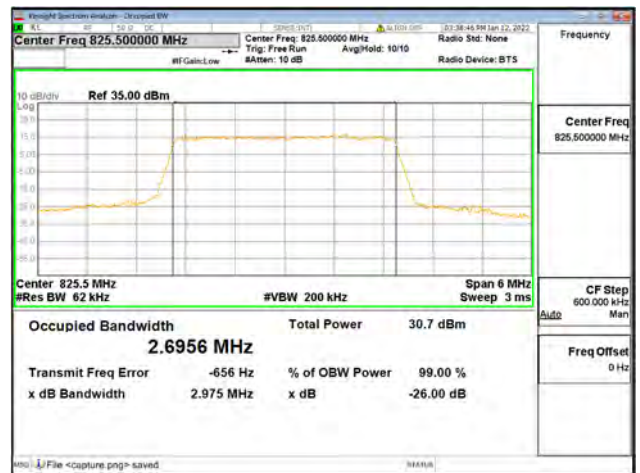
Band5 / 1.4MHz / High CH / 16QAM



Band5 / 1.4MHz / High CH / 64QAM



Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM

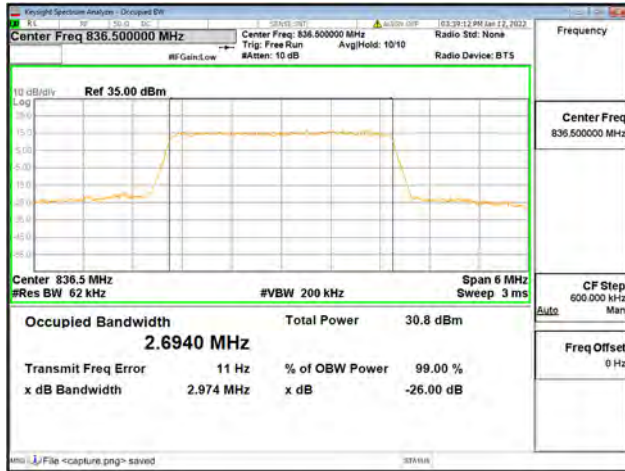


Band5 / 3MHz / Low CH / 64QAM





Band5 / 3MHz / Mid CH / QPSK



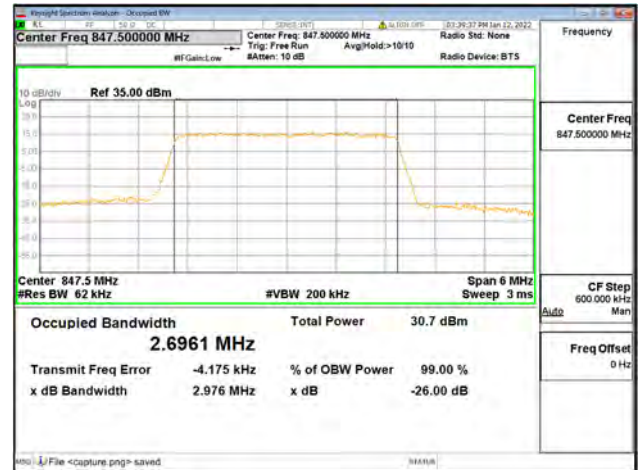
Band5 / 3MHz / Mid CH / 16QAM



Band5 / 3MHz / Mid CH / 64QAM



Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM

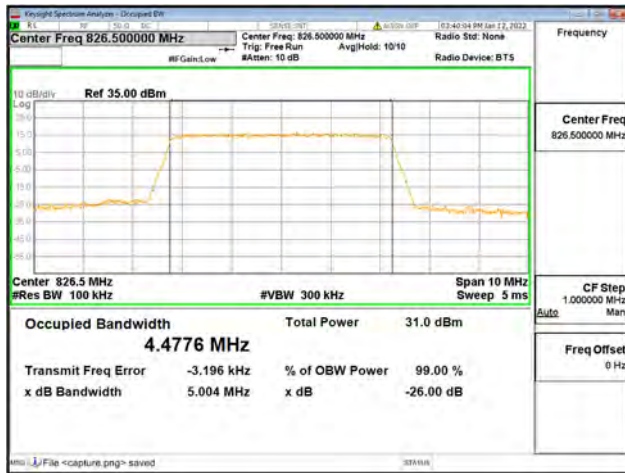


Band5 / 3MHz / High CH / 64QAM

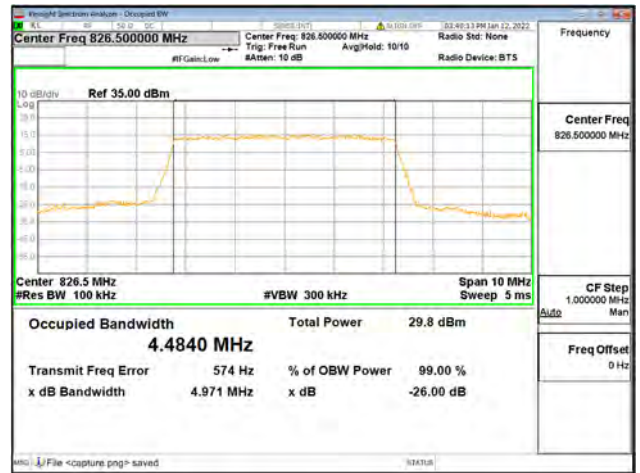




Band5 / 5MHz / Low CH / QPSK



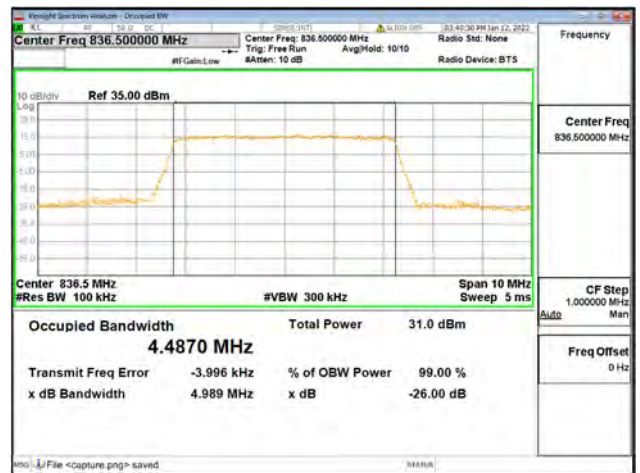
Band5 / 5MHz / Low CH / 16QAM



Band5 / 5MHz / Low CH / 64QAM



Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM



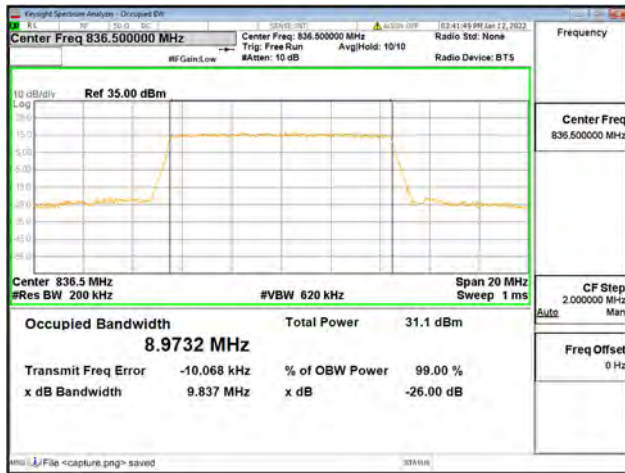
Band5 / 5MHz / Mid CH / 64QAM



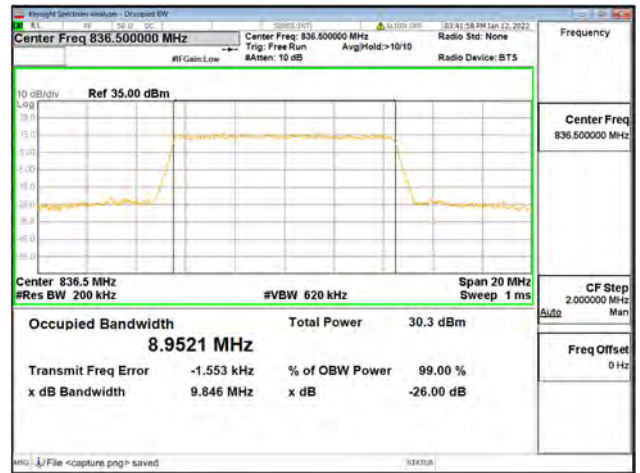




Band5 / 10MHz / Mid CH / QPSK



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

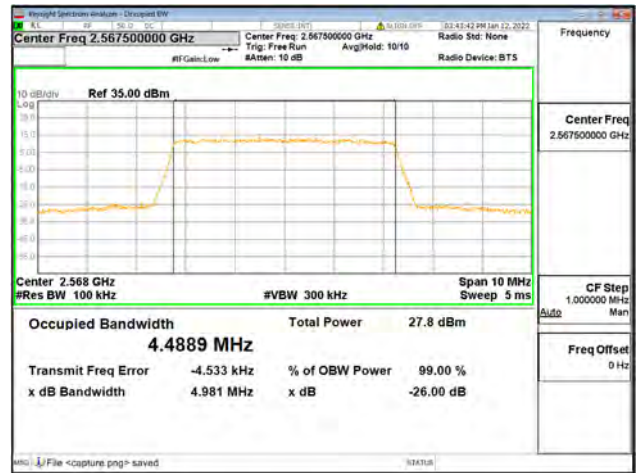




Band7 / 5MHz / High CH / QPSK



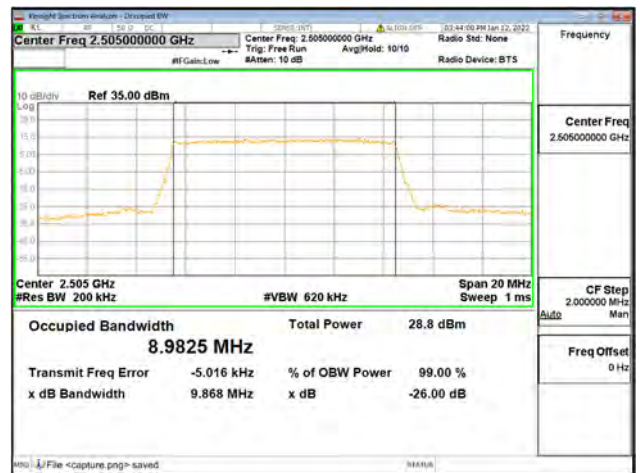
Band7 / 5MHz / High CH / 16QAM



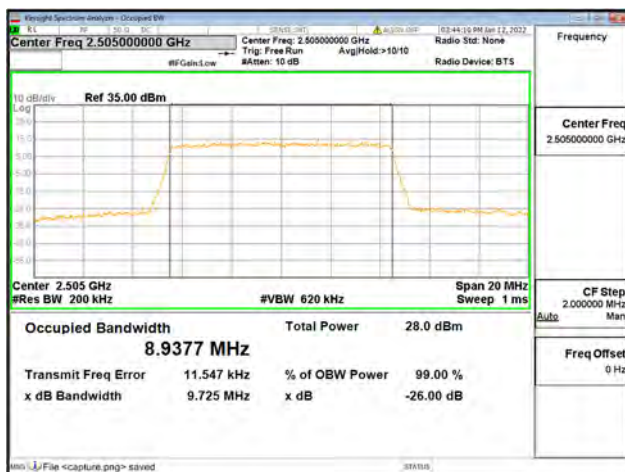
Band7 / 5MHz / High CH / 64QAM



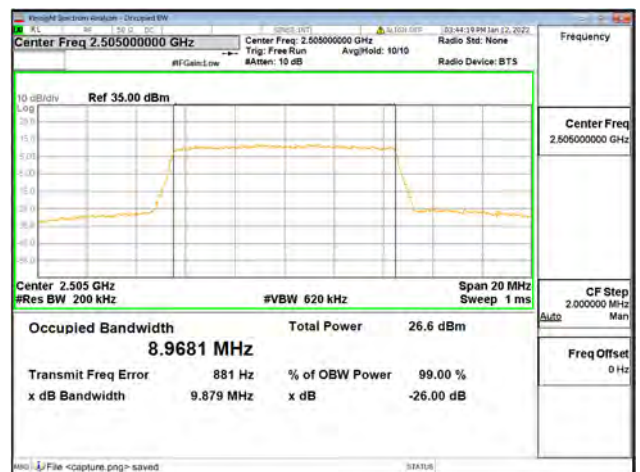
Band7 / 10MHz / Low CH / QPSK



Band7 / 10MHz / Low CH / 16QAM

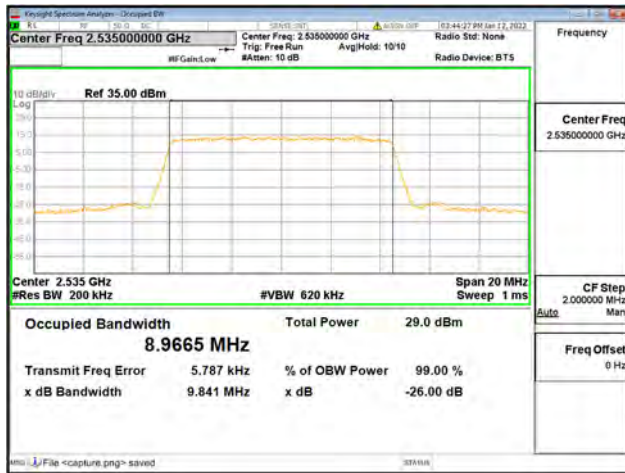


Band7 / 10MHz / Low CH / 64QAM





Band7 / 10MHz / Mid CH / QPSK



Band7 / 10MHz / Mid CH / 16QAM



Band7 / 10MHz / Mid CH / 64QAM



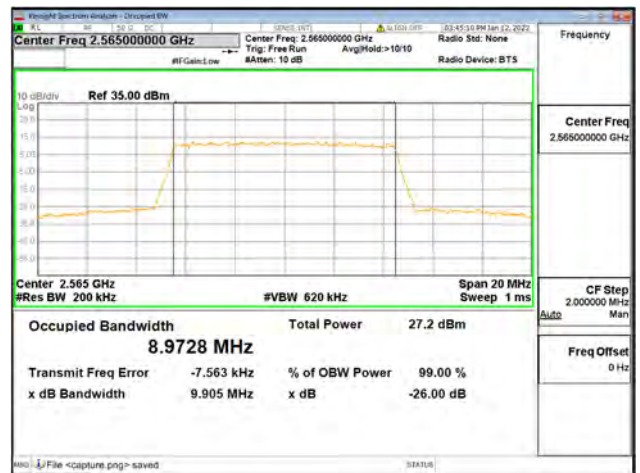
Band7 / 10MHz / High CH / QPSK



Band7 / 10MHz / High CH / 16QAM



Band7 / 10MHz / High CH / 64QAM



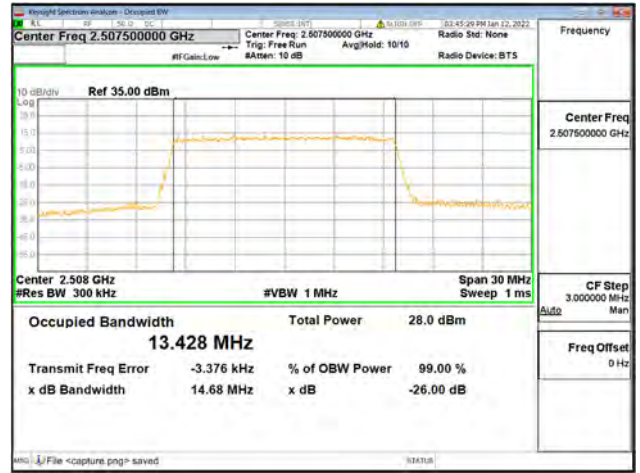




Band7 / 15MHz / Low CH / QPSK



Band7 / 15MHz / Low CH / 16QAM



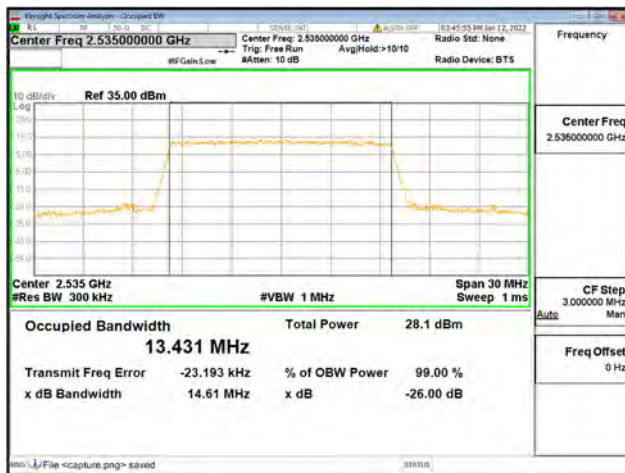
Band7 / 15MHz / Low CH / 64QAM



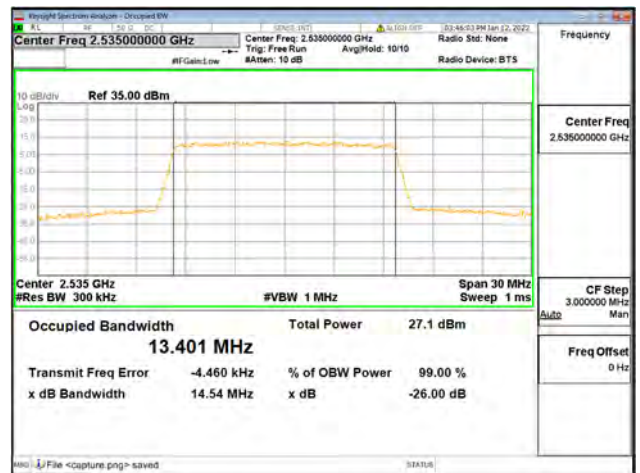
Band7 / 15MHz / Mid CH / QPSK



Band7 / 15MHz / Mid CH / 16QAM



Band7 / 15MHz / Mid CH / 64QAM





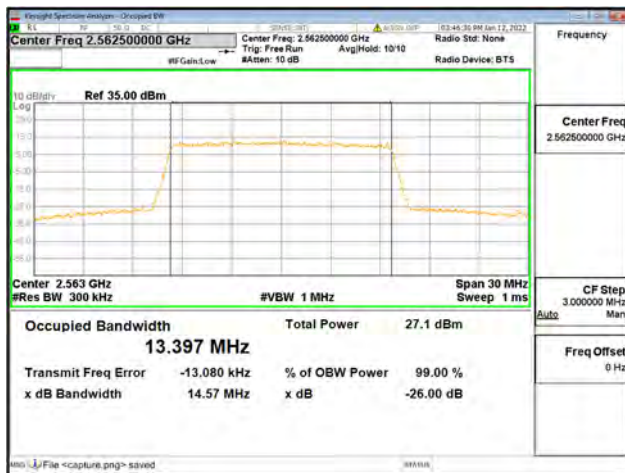
**Band7 / 15MHz / High CH / QPSK**



**Band7 / 15MHz / High CH / 16QAM**



**Band7 / 15MHz / High CH / 64QAM**



**Band7 / 20MHz / Low CH / QPSK**



**Band7 / 20MHz / Low CH / 16QAM**

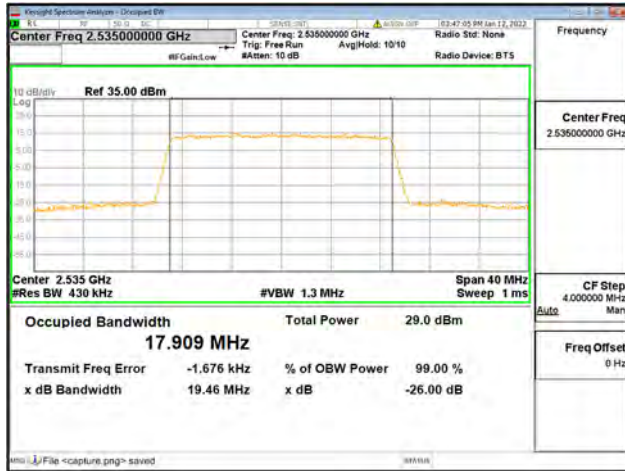


**Band7 / 20MHz / Low CH / 64QAM**





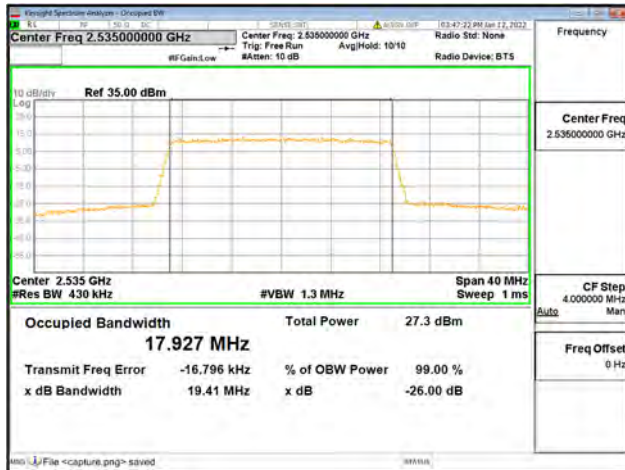
Band7 / 20MHz / Mid CH / QPSK



Band7 / 20MHz / Mid CH / 16QAM



Band7 / 20MHz / Mid CH / 64QAM



Band7 / 20MHz / High CH / QPSK



Band7 / 20MHz / High CH / 16QAM

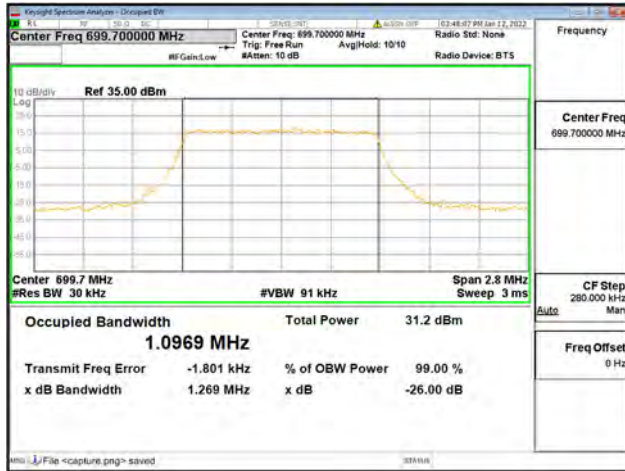


Band7 / 20MHz / High CH / 64QAM

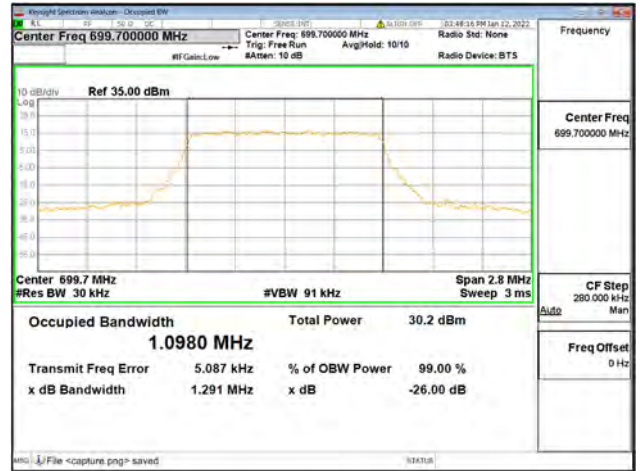




Band12 / 1.4MHz / Low CH / QPSK



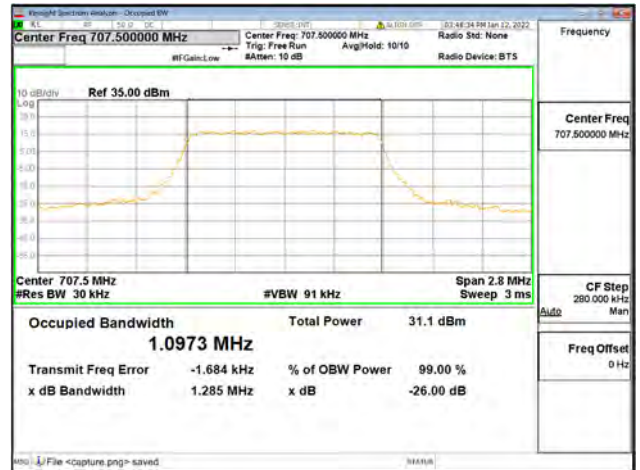
Band12 / 1.4MHz / Low CH / 16QAM



Band12 / 1.4MHz / Low CH / 64QAM



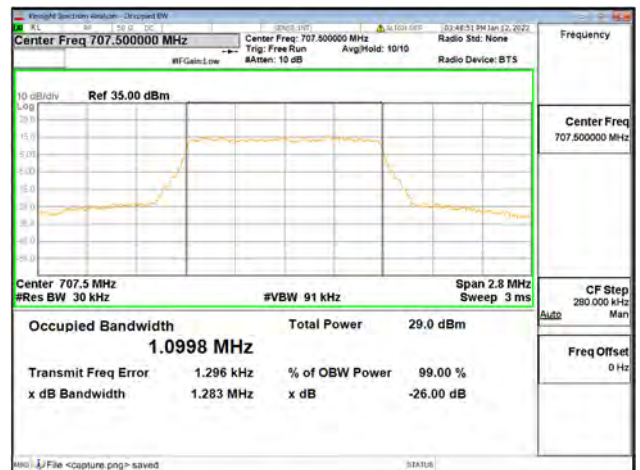
Band12 / 1.4MHz / Mid CH / QPSK



Band12 / 1.4MHz / Mid CH / 16QAM

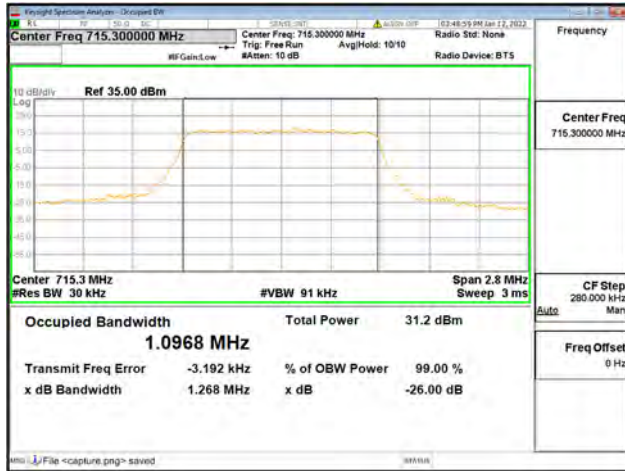


Band12 / 1.4MHz / Mid CH / 64QAM

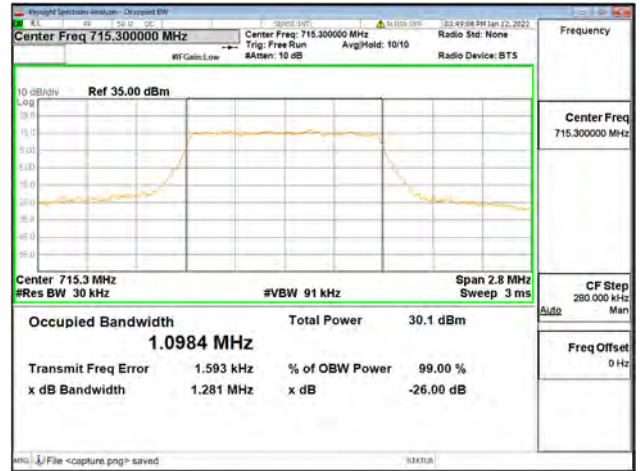




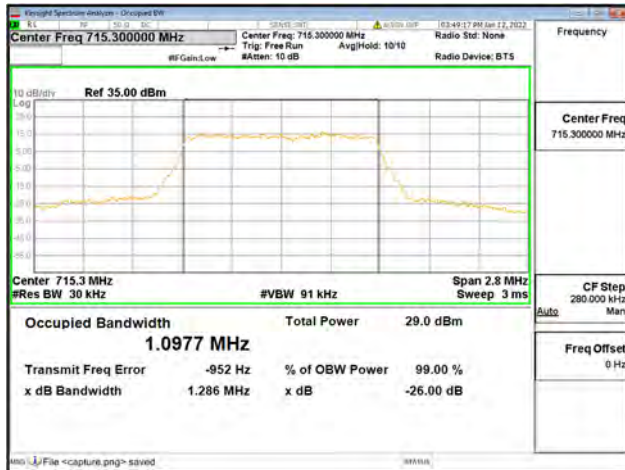
Band12 / 1.4MHz / High CH / QPSK



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



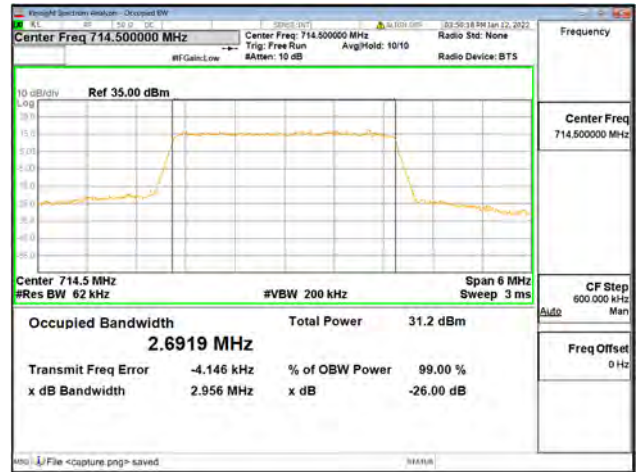
Band12 / 3MHz / Mid CH / 16QAM



Band12 / 3MHz / Mid CH / 64QAM



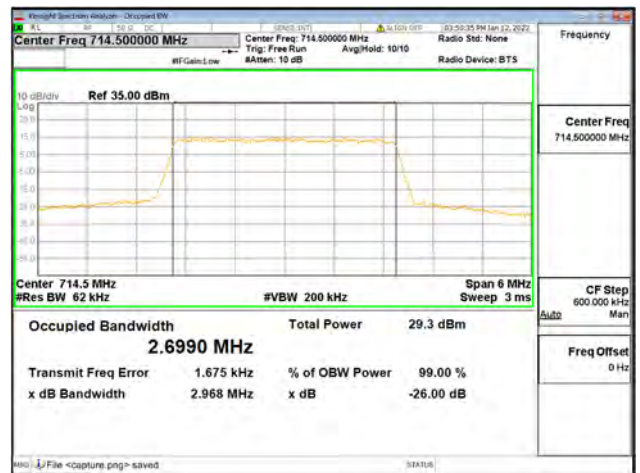
Band12 / 3MHz / High CH / QPSK



Band12 / 3MHz / High CH / 16QAM

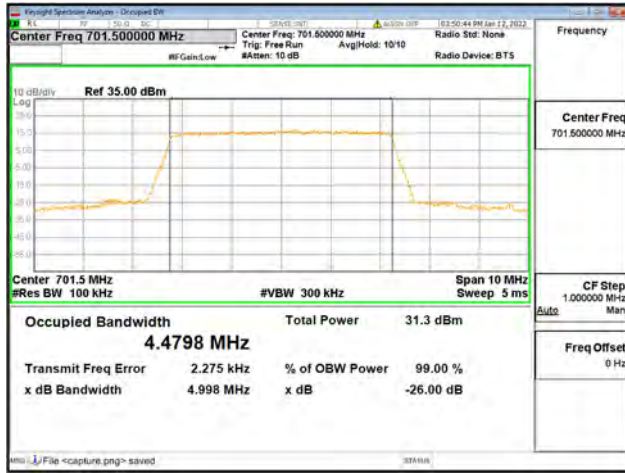


Band12 / 3MHz / High CH / 64QAM





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

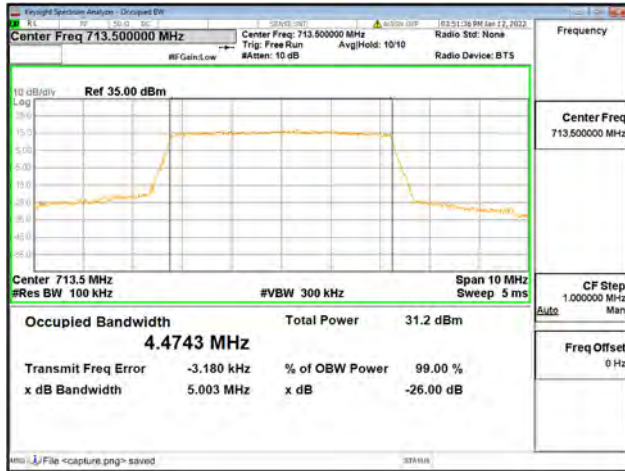


Band12 / 5MHz / Mid CH / 64QAM





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



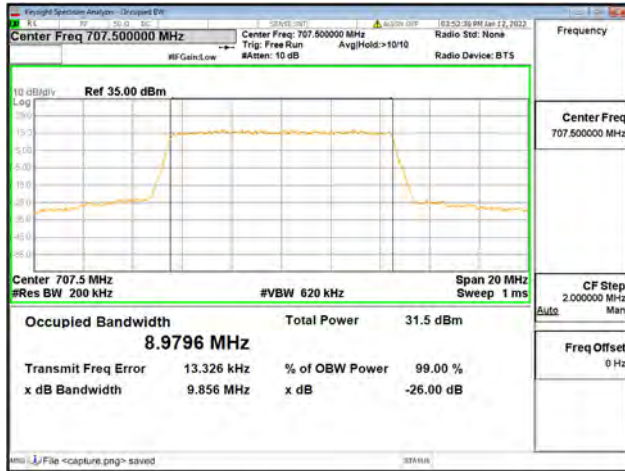
Band12 / 10MHz / Low CH / 64QAM







Band12 / 10MHz / Mid CH / QPSK



Band12 / 10MHz / Mid CH / 16QAM



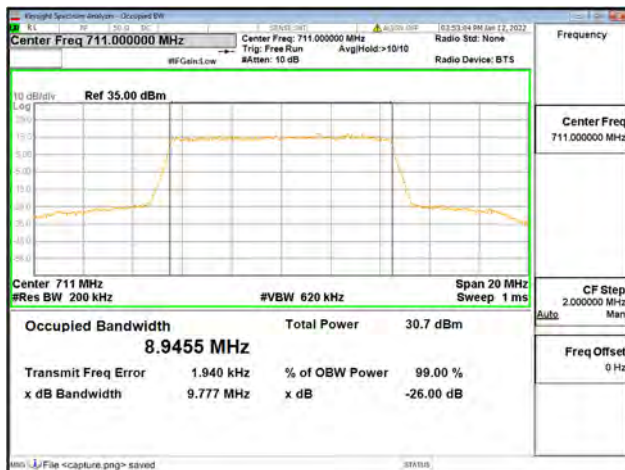
Band12 / 10MHz / Mid CH / 64QAM



Band12 / 10MHz / High CH / QPSK



Band12 / 10MHz / High CH / 16QAM



Band12 / 10MHz / High CH / 64QAM

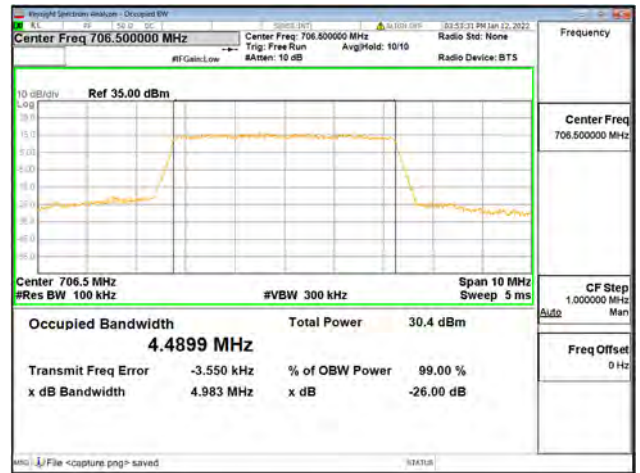




Band17 / 5MHz / Low CH / QPSK



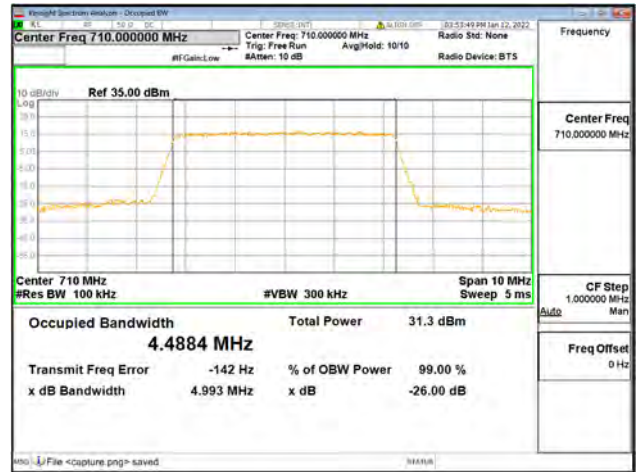
Band17 / 5MHz / Low CH / 16QAM



Band17 / 5MHz / Low CH / 64QAM



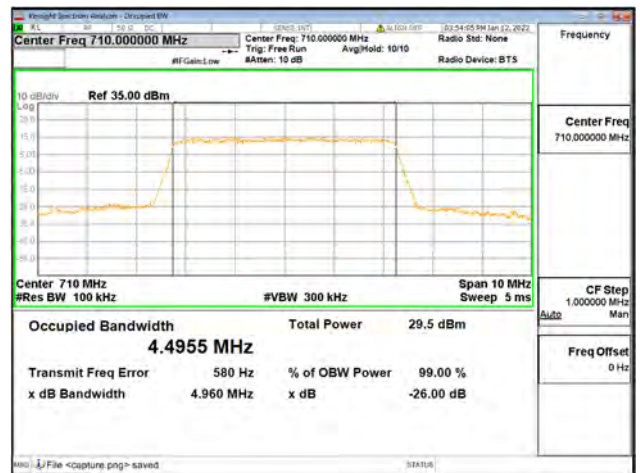
Band17 / 5MHz / Mid CH / QPSK



Band17 / 5MHz / Mid CH / 16QAM

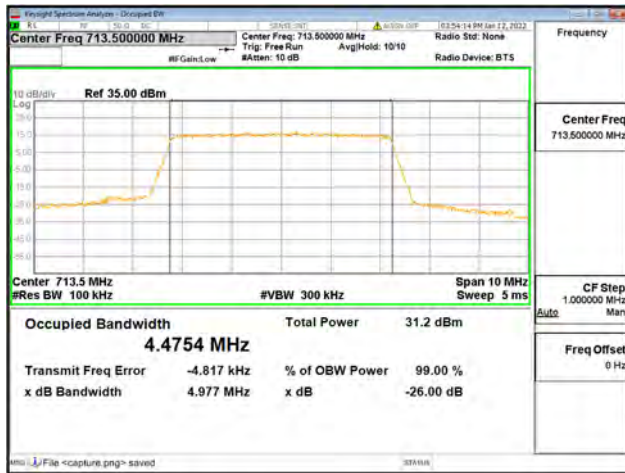


Band17 / 5MHz / Mid CH / 64QAM

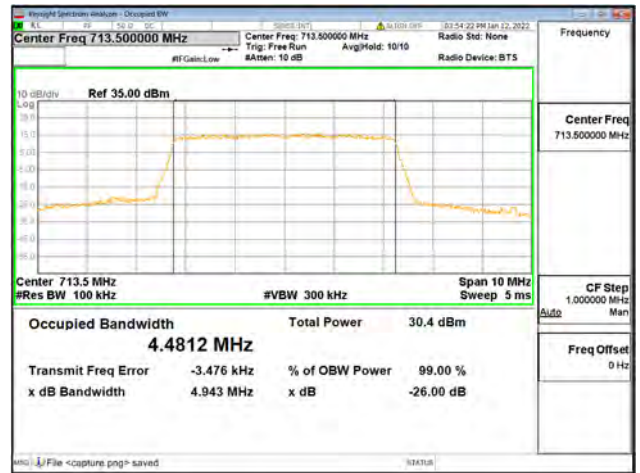




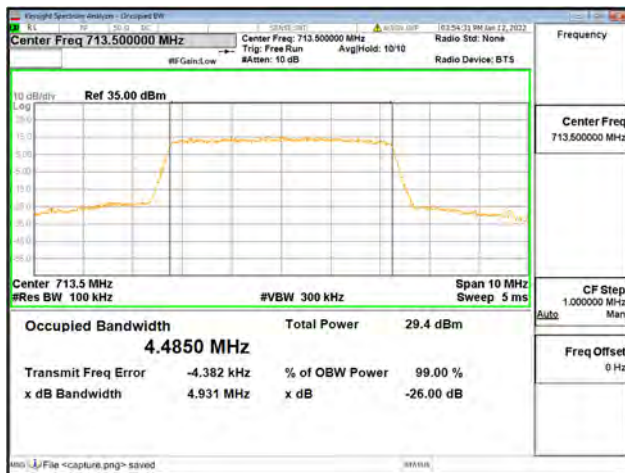
Band17 / 5MHz / High CH / QPSK



Band17 / 5MHz / High CH / 16QAM



Band17 / 5MHz / High CH / 64QAM



Band17 / 10MHz / Low CH / QPSK



Band17 / 10MHz / Low CH / 16QAM

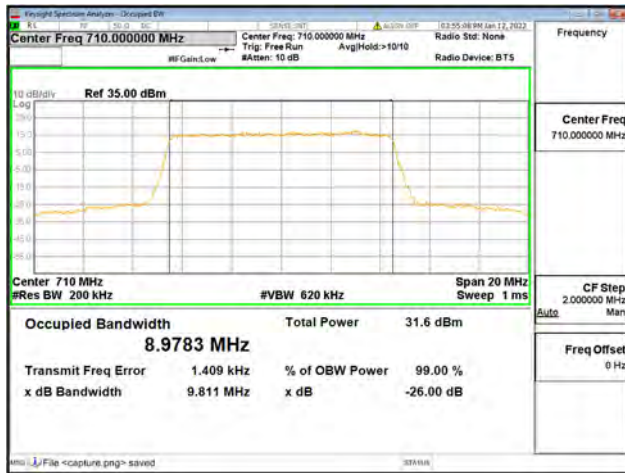


Band17 / 10MHz / Low CH / 64QAM





Band17 / 10MHz / Mid CH / QPSK



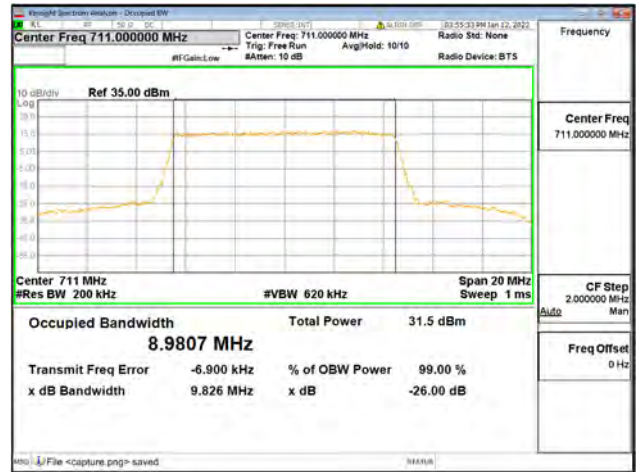
Band17 / 10MHz / Mid CH / 16QAM



Band17 / 10MHz / Mid CH / 64QAM



Band17 / 10MHz / High CH / QPSK



Band17 / 10MHz / High CH / 16QAM

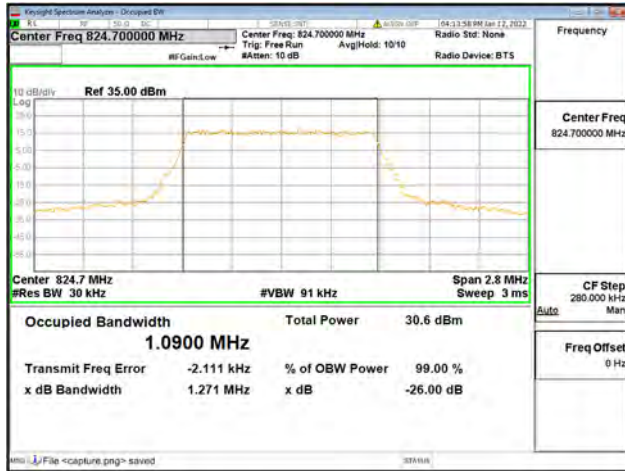


Band17 / 10MHz / High CH / 64QAM

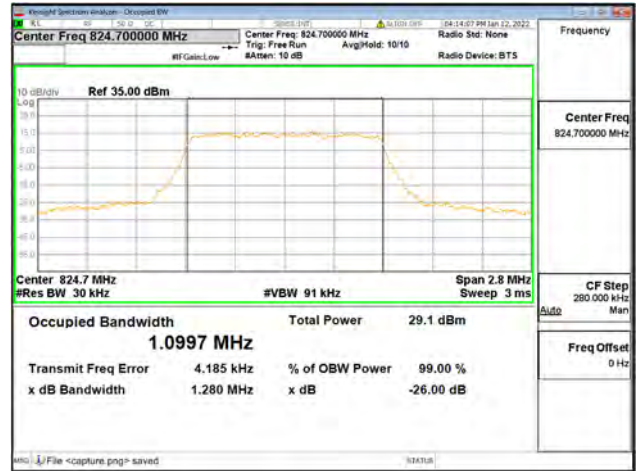




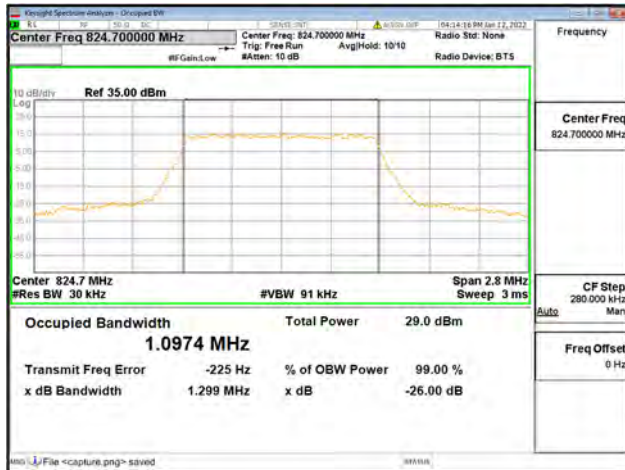
Band26 / 1.4MHz / Low CH / QPSK



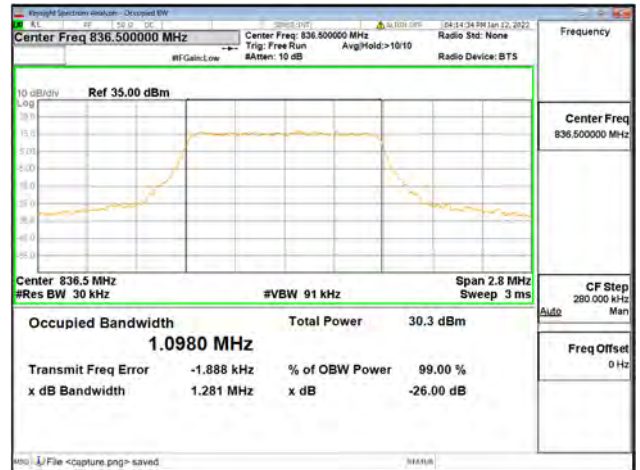
Band26 / 1.4MHz / Low CH / 16QAM



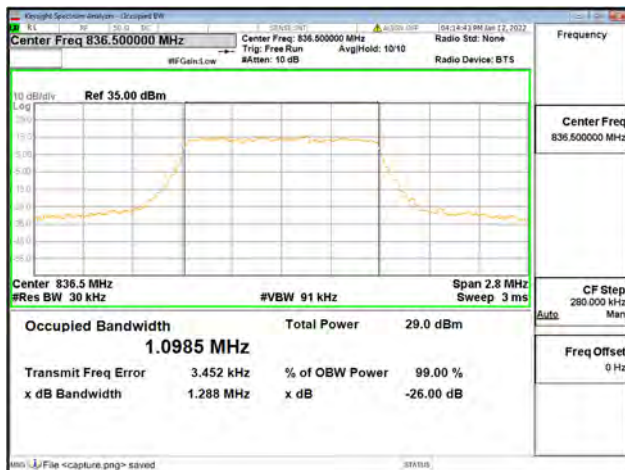
Band26 / 1.4MHz / Low CH / 64QAM



Band26 / 1.4MHz / Mid CH / QPSK



Band26 / 1.4MHz / Mid CH / 16QAM



Band26 / 1.4MHz / Mid CH / 64QAM

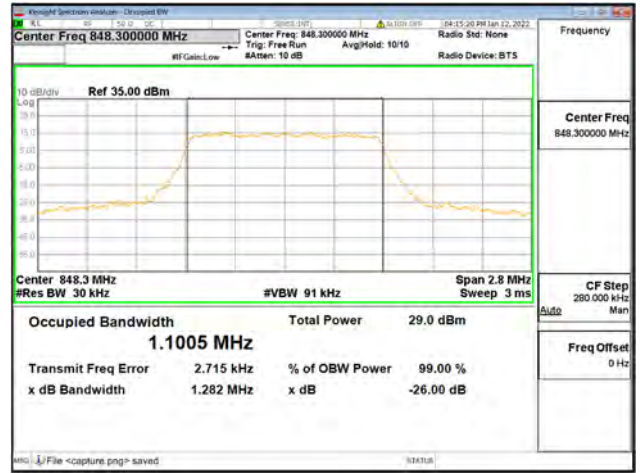




Band26 / 1.4MHz / High CH / QPSK



Band26 / 1.4MHz / High CH / 16QAM



Band26 / 1.4MHz / High CH / 64QAM



Band26 / 3MHz / Low CH / QPSK



Band26 / 3MHz / Low CH / 16QAM



Band26 / 3MHz / Low CH / 64QAM





Band26 / 3MHz / Mid CH / QPSK



Band26 / 3MHz / Mid CH / 16QAM



Band26 / 3MHz / Mid CH / 64QAM



Band26 / 3MHz / High CH / QPSK



Band26 / 3MHz / High CH / 16QAM



Band26 / 3MHz / High CH / 64QAM

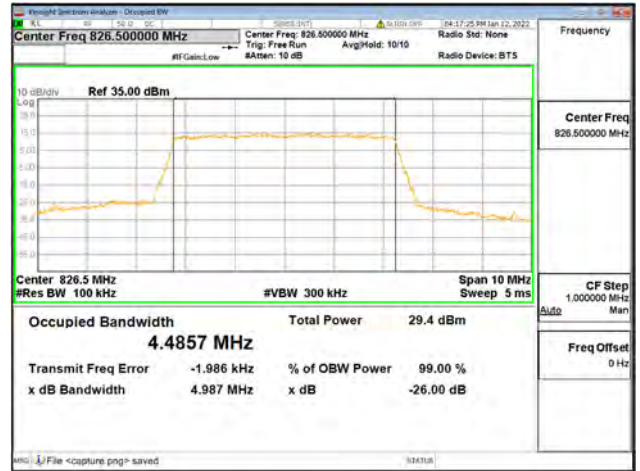




Band26 / 5MHz / Low CH / QPSK



Band26 / 5MHz / Low CH / 16QAM



Band26 / 5MHz / Low CH / 64QAM



Band26 / 5MHz / Mid CH / QPSK



Band26 / 5MHz / Mid CH / 16QAM



Band26 / 5MHz / Mid CH / 64QAM



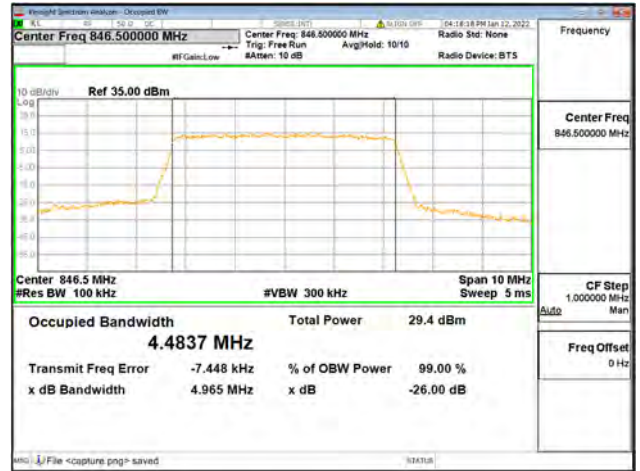




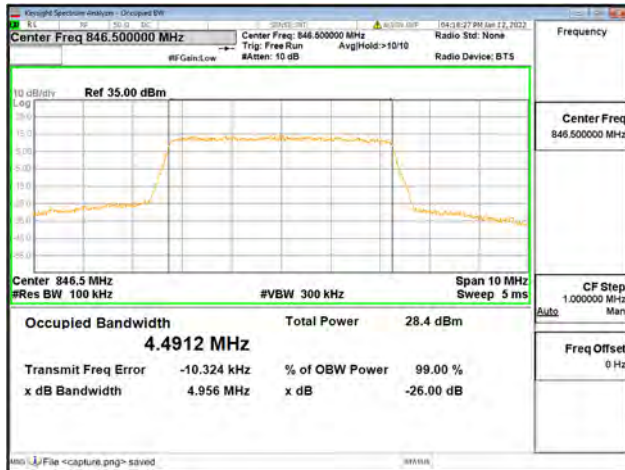
Band26 / 5MHz / High CH / QPSK



Band26 / 5MHz / High CH / 16QAM



Band26 / 5MHz / High CH / 64QAM



Band26 / 10MHz / Low CH / QPSK



Band26 / 10MHz / Low CH / 16QAM



Band26 / 10MHz / Low CH / 64QAM

