



# TEST REPORT

**APPLICANT** : Cyrus Technology GmbH

**PRODUCT NAME** : ConnectedRide Navigator

**MODEL NAME** : CRN1

**BRAND NAME** : BMW Motorrad

**FCC ID** : 2AI3KCRN1

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

**RECEIPT DATE** : 2023-04-10

**TEST DATE** : 2023-05-31 to 2023-07-13

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Change History		
Version	Date	Reason for change
1.0	2023-07-27	First edition



# 1. Technical Information

Note: Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	Cyrus Technology GmbH
<b>Applicant Address:</b>	Hergelsbendenstr. 49 D-52080 Aachen Germany
<b>Manufacturer:</b>	Cyrus Technology GmbH
<b>Manufacturer Address:</b>	Hergelsbendenstr. 49 D-52080 Aachen Germany

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	ConnectedRide Navigator	
<b>Sample No.:</b>	4#	
<b>Hardware Version:</b>	80BMW-N1.0009	
<b>Software Version:</b>	BMW-CRN-20230421-V1.0.0	
<b>Modulation Type:</b>	QPSK, 16QAM, 64QAM	
<b>Operation Band:</b>	Band 2 / 4 / 5 / 7 / 12 / 13 / 17 / 18 / 19 / 25 / 26 / 30 / 38 / 40 / 41 / 66 / 71 Band 29 only support receiver	
<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 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz
	LTE Band 17	Tx: 704MHz–716MHz
		Rx: 734MHz–746MHz



<b>Frequency Range:</b>	LTE Band 18	Tx: 824MHz–830MHz
		Rx: 869MHz–875MHz
	LTE Band 19	Tx: 830MHz–845MHz
		Rx: 875MHz–890MHz
	LTE Band 25	Tx: 1850MHz–1915MHz
		Rx: 1930MHz–1995MHz
	LTE Band 26	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 29	Rx: 717MHz–728MHz
	LTE Band 30	Tx: 2305MHz–2315MHz
		Rx: 2350MHz–2360MHz
	LTE Band 38	Tx: 2570MHz–2620MHz
		Rx: 2570MHz–2620MHz
	LTE Band 40 Block A	Tx: 2305MHz–2315MHz
Rx: 2305MHz–2315MHz		
LTE Band 40 Block B	Tx: 2350MHz–2360MHz	
	Rx: 2350MHz–2360MHz	
LTE Band 41	Tx: 2496MHz–2690MHz	
	Rx: 2496MHz–2690MHz	
LTE Band 66	Tx: 1710MHz –1780MHz	
	Rx: 2110MHz–2200MHz	
LTE Band 71	Tx: 663MHz–698MHz	
	Rx: 617MHz–652MHz	
<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 13	5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 18	5 MHz
	LTE Band 19	5 MHz, 10MHz, 15MHz
	LTE Band 25	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 26	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
	LTE Band 30	5 MHz, 10MHz
	LTE Band 38	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 40	5 MHz, 10MHz



<b>Channel Bandwidth:</b>	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz
<b>Antenna Type:</b>	PIFA Internal Antenna	
<b>Antenna Gain:</b>	LTE Band 2	3.89dBi
	LTE Band 4	2.73dBi
	LTE Band 5	1.99dBi
	LTE Band 7	1.69dBi
	LTE Band 12	0.58dBi
	LTE Band 13	1.74dBi
	LTE Band 17	-0.25dBi
	LTE Band 18	1.99dBi
	LTE Band 19	1.99dBi
	LTE Band 25	3.89dBi
	LTE Band 26	1.99dBi
	LTE Band 30	2.14dBi
	LTE Band 38	1.16dBi
	LTE Band 40	2.95dBi
	LTE Band 41	2.19dBi
LTE Band 66	3.01dBi	
LTE Band 71	0.67dBi	
<b>Accessory Information:</b>	Battery	
	Brand Name:	BMW Motorrad
	Model No.:	N1
	Serial No.:	N/A
	Capacity:	3000mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	Shenzhen Aerospace Electronic Co.,Ltd.

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

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

<b>LTE Band 2</b>	<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.358	0.289	0.296	18M0G7D	18M0W7D	18M0W7D
15	0.356	0.298	0.298	13M5G7D	13M5W7D	13M5W7D
10	0.355	0.290	0.299	8M99G7D	8M97W7D	9M00W7D
5	0.354	0.292	0.301	4M51G7D	4M51W7D	4M52W7D
3	0.356	0.299	0.298	2M71G7D	2M71W7D	2M71W7D
1.4	0.355	0.287	0.294	1M10G7D	1M10W7D	1M10W7D
<b>LTE Band 4</b>	<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.222	0.185	0.182	18M0G7D	18M0W7D	18M0W7D
15	0.220	0.180	0.185	13M5G7D	13M5W7D	13M5W7D
10	0.219	0.184	0.185	9M01G7D	8M96W7D	8M99W7D
5	0.220	0.185	0.187	4M51G7D	4M51W7D	4M50W7D
3	0.219	0.181	0.187	2M70G7D	2M70W7D	2M71W7D
1.4	0.221	0.179	0.185	1M10G7D	1M10W7D	1M10W7D
<b>LTE Band 5</b>	<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.129	0.101	0.103	9M02G7D	8M99W7D	9M02W7D
5	0.128	0.103	0.102	4M51G7D	4M51W7D	4M51W7D
3	0.128	0.101	0.103	2M71G7D	2M70W7D	2M71W7D
1.4	0.127	0.100	0.104	1M10G7D	1M10W7D	1M10W7D
<b>LTE Band 7</b>	<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.155	0.129	0.130	18M0G7D	18M0W7D	18M0W7D
15	0.155	0.128	0.130	13M5G7D	13M5W7D	13M5W7D
10	0.155	0.129	0.129	9M01G7D	8M98W7D	8M99W7D
5	0.154	0.128	0.131	4M51G7D	4M52W7D	4M53W7D
<b>LTE Band 12</b>	<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.085	0.069	0.069	9M01G7D	8M99W7D	9M01W7D
5	0.084	0.069	0.070	4M51G7D	4M51W7D	4M52W7D
3	0.085	0.068	0.070	2M70G7D	2M70W7D	2M71W7D
1.4	0.084	0.068	0.069	1M10G7D	1M10W7D	1M10W7D



<b>LTE Band 13</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10		0.126	0.098	0.080	9M00G7D	8M96W7D	8M98W7D
5		0.125	0.100	0.081	4M52G7D	4M52W7D	4M52W7D
<b>LTE Band 17</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10		0.078	0.061	0.062	9M02G7D	8M98W7D	8M99W7D
5		0.077	0.061	0.060	4M51G7D	4M51W7D	4M53W7D
<b>LTE Band 18</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5		0.123	0.099	0.099	4M52G7D	4M51W7D	4M52W7D
<b>LTE Band 19</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15		0.134	0.100	0.106	13M5G7D	13M5W7D	13M4W7D
10		0.133	0.105	0.105	9M01G7D	8M97W7D	8M97W7D
5		0.132	0.105	0.106	4M52G7D	4M51W7D	4M51W7D
<b>LTE Band 25</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20		0.412	0.319	0.320	18M0G7D	18M0W7D	18M0W7D
15		0.409	0.327	0.324	13M5G7D	13M5W7D	13M5W7D
10		0.406	0.316	0.327	9M02G7D	8M99W7D	9M01W7D
5		0.403	0.323	0.327	4M51G7D	4M51W7D	4M51W7D
3		0.404	0.318	0.327	2M70G7D	2M70W7D	2M71W7D
1.4		0.405	0.327	0.330	1M10G7D	1M10W7D	1M10W7D
<b>LTE Band 26</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
15		0.160	0.126	0.127	13M5G7D	13M5W7D	13M5W7D
10		0.158	0.127	0.125	9M01G7D	8M99W7D	9M03W7D
5		0.158	0.123	0.125	4M51G7D	4M51W7D	4M52W7D
3		0.155	0.128	0.129	2M70G7D	2M71W7D	2M71W7D
1.4		0.156	0.127	0.130	1M10G7D	1M11W7D	1M10W7D
<b>LTE Band 30</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10		0.198	0.159	0.154	8M97G7D	8M93W7D	8M95W7D
5		0.197	0.155	0.160	4M50G7D	4M51W7D	4M51W7D



<b>LTE Band 38</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.333	0.265	0.208	18M0G7D	18M0W7D	18M0W7D	
15	0.330	0.264	0.212	13M5G7D	13M5W7D	13M5W7D	
10	0.331	0.262	0.206	9M00G7D	8M98W7D	8M97W7D	
5	0.329	0.266	0.210	4M52G7D	4M51W7D	4M52W7D	
<b>LTE Band 40 Block A</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.227	0.179	0.180	9M00G7D	8M98W7D	8M98W7D	
5	0.225	0.179	0.186	4M51G7D	4M52W7D	4M53W7D	
<b>LTE Band 40 Block B</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.224	0.179	0.181	8M97G7D	8M98W7D	8M99W7D	
5	0.223	0.182	0.181	4M52G7D	4M51W7D	4M53W7D	
<b>LTE Band 41</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.242	0.193	0.190	18M0G7D	18M0W7D	18M0W7D	
15	0.240	0.196	0.193	13M5G7D	13M5W7D	13M5W7D	
10	0.239	0.193	0.192	9M00G7D	8M98W7D	8M99W7D	
5	0.239	0.193	0.195	4M51G7D	4M52W7D	4M50W7D	
<b>LTE Band 66</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.241	0.192	0.192	17M9G7D	18M0W7D	18M0W7D	
15	0.239	0.191	0.194	13M5G7D	13M4W7D	13M4W7D	
10	0.240	0.191	0.195	8M99G7D	8M95W7D	8M99W7D	
5	0.238	0.189	0.197	4M51G7D	4M51W7D	4M52W7D	
3	0.238	0.191	0.196	2M70G7D	2M71W7D	2M71W7D	
1.4	0.239	0.194	0.199	1M10G7D	1M10W7D	1M10W7D	
<b>LTE Band 71</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.116	0.091	0.092	18M0G7D	18M0W7D	18M0W7D	
15	0.115	0.091	0.094	13M5G7D	13M5W7D	13M5W7D	
10	0.115	0.092	0.094	9M00G7D	8M98W7D	9M00W7D	
5	0.115	0.092	0.093	4M50G7D	4M51W7D	4M52W7D	





## 1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(a)(3) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Jul. 15, 2023	Shen Biaohong Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Jun. 01, 2023	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Jul. 13, 2023	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Jul. 13, 2023	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	May 31, 2023	Li Huaijie	PASS	No deviation



2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Band Edge	May 31, 2023	Li Huaijie	PASS	No deviation
2.1053 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Jul. 15, 2023	Gao Jianrou	PASS	No deviation

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

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

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

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

## 1.5. Environmental Conditions

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

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



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

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

#### **2.1.1. Requirement**

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

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

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

According to FCC section 22.913 (a)(2) for LTE Band 5/18/19/26, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h)(2) for LTE Band 7/38/41, 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.

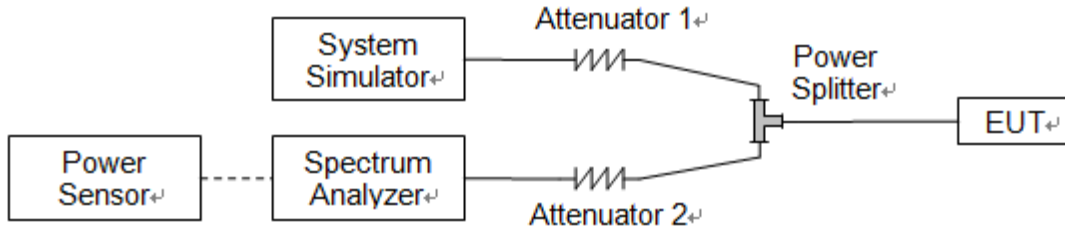
According to FCC section 27.50 (b)(10) for LTE Band 13, Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts E.R.P.

According to FCC section 27.50 (c)(10) for LTE Band 12/17/71, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

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

According to FCC section 27.50 (a)(3) for LTE Band 40, For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average E.I.R.P. must not exceed 50 mill watts within any 1 megahertz of authorized bandwidth

### 2.1.2. Test Description



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

### 2.1.3. Test Procedure

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

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

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



2.1.4. Result

Conducted Output Power

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	21.57	21.65	21.55
20	QPSK	1	49	21.50	21.58	21.49
20	QPSK	1	99	21.54	21.55	21.52
20	QPSK	50	0	20.73	20.88	20.79
20	QPSK	50	24	20.62	20.76	20.71
20	QPSK	50	50	20.55	20.60	20.52
20	QPSK	100	0	20.59	20.64	20.57
20	16QAM	1	0	20.67	20.72	20.68
20	16QAM	1	49	20.53	20.55	20.60
20	16QAM	1	99	20.62	20.61	20.57
20	16QAM	50	0	19.87	19.91	19.85
20	16QAM	50	24	19.82	19.80	19.76
20	16QAM	50	50	19.73	19.77	19.80
20	16QAM	100	0	19.81	19.86	19.78
20	64QAM	1	0	20.71	20.83	20.75
20	64QAM	1	49	20.63	20.69	20.70
20	64QAM	1	99	20.74	20.77	20.72
20	64QAM	50	0	19.76	19.82	19.73
20	64QAM	50	24	19.69	19.77	19.68
20	64QAM	50	50	19.65	19.73	19.64
20	64QAM	100	0	19.71	19.76	19.72



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	21.59	21.63	21.58
15	QPSK	1	37	21.58	21.57	21.40
15	QPSK	1	74	21.53	21.54	21.48
15	QPSK	36	0	20.82	20.73	20.77
15	QPSK	36	20	20.63	20.65	20.82
15	QPSK	36	39	20.51	20.48	20.52
15	QPSK	75	0	20.69	20.72	20.59
15	16QAM	1	0	20.64	20.85	20.69
15	16QAM	1	37	20.51	20.56	20.72
15	16QAM	1	74	20.77	20.72	20.59
15	16QAM	36	0	19.93	19.83	19.87
15	16QAM	36	20	19.91	19.69	19.77
15	16QAM	36	39	19.62	19.89	19.94
15	16QAM	75	0	19.79	19.72	19.68
15	64QAM	1	0	20.58	20.74	20.84
15	64QAM	1	37	20.74	20.73	20.85
15	64QAM	1	74	20.64	20.74	20.81
15	64QAM	36	0	19.66	19.79	19.87
15	64QAM	36	20	19.64	19.71	19.64
15	64QAM	36	39	19.53	19.64	19.60
15	64QAM	75	0	19.58	19.77	19.66



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	21.53	21.61	21.50
10	QPSK	1	25	21.58	21.53	21.46
10	QPSK	1	49	21.45	21.42	21.46
10	QPSK	25	0	20.82	20.93	20.74
10	QPSK	25	12	20.62	20.67	20.70
10	QPSK	25	25	20.61	20.60	20.58
10	QPSK	50	0	20.63	20.50	20.71
10	16QAM	1	0	20.59	20.72	20.73
10	16QAM	1	25	20.44	20.61	20.61
10	16QAM	1	49	20.55	20.54	20.44
10	16QAM	25	0	19.81	19.91	19.99
10	16QAM	25	12	19.92	19.66	19.84
10	16QAM	25	25	19.61	19.81	19.87
10	16QAM	50	0	19.66	19.70	19.76
10	64QAM	1	0	20.65	20.82	20.79
10	64QAM	1	25	20.73	20.68	20.84
10	64QAM	1	49	20.78	20.86	20.72
10	64QAM	25	0	19.87	19.84	19.79
10	64QAM	25	12	19.75	19.70	19.72
10	64QAM	25	25	19.59	19.76	19.59
10	64QAM	50	0	19.61	19.65	19.73



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	21.59	21.60	21.56
5	QPSK	1	12	21.49	21.45	21.55
5	QPSK	1	24	21.54	21.57	21.45
5	QPSK	12	0	20.70	20.87	20.72
5	QPSK	12	7	20.62	20.85	20.84
5	QPSK	12	13	20.54	20.59	20.53
5	QPSK	25	0	20.66	20.69	20.58
5	16QAM	1	0	20.69	20.62	20.77
5	16QAM	1	12	20.41	20.46	20.56
5	16QAM	1	24	20.76	20.74	20.61
5	16QAM	12	0	20.01	19.94	19.91
5	16QAM	12	7	19.86	19.86	19.81
5	16QAM	12	13	19.84	19.89	19.92
5	16QAM	25	0	19.87	19.80	19.69
5	64QAM	1	0	20.80	20.81	20.77
5	64QAM	1	12	20.52	20.74	20.58
5	64QAM	1	24	20.62	20.89	20.87
5	64QAM	12	0	19.81	19.88	19.71
5	64QAM	12	7	19.65	19.76	19.77
5	64QAM	12	13	19.69	19.61	19.51
5	64QAM	25	0	19.59	19.62	19.71





LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	21.46	21.62	21.59
3	QPSK	1	8	21.55	21.57	21.53
3	QPSK	1	14	21.43	21.56	21.53
3	QPSK	8	0	20.82	20.88	20.70
3	QPSK	8	4	20.55	20.87	20.72
3	QPSK	8	7	20.61	20.51	20.62
3	QPSK	15	0	20.50	20.65	20.67
3	16QAM	1	0	20.73	20.86	20.62
3	16QAM	1	8	20.67	20.64	20.69
3	16QAM	1	14	20.52	20.60	20.48
3	16QAM	8	0	19.87	19.97	19.92
3	16QAM	8	4	19.92	19.83	19.65
3	16QAM	8	7	19.87	19.65	19.93
3	16QAM	15	0	19.93	19.82	19.76
3	64QAM	1	0	20.63	20.74	20.69
3	64QAM	1	8	20.71	20.57	20.78
3	64QAM	1	14	20.69	20.80	20.85
3	64QAM	8	0	19.78	19.79	19.85
3	64QAM	8	4	19.56	19.75	19.81
3	64QAM	8	7	19.64	19.87	19.75
3	64QAM	15	0	19.83	19.74	19.80



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	21.56	21.61	21.53
1.4	QPSK	1	3	21.54	21.53	21.52
1.4	QPSK	1	5	21.51	21.41	21.44
1.4	QPSK	3	0	20.69	20.86	20.64
1.4	QPSK	3	1	20.55	20.89	20.77
1.4	QPSK	3	3	20.53	20.71	20.53
1.4	QPSK	6	0	20.72	20.70	20.63
1.4	16QAM	1	0	20.69	20.65	20.67
1.4	16QAM	1	3	20.68	20.56	20.58
1.4	16QAM	1	5	20.64	20.52	20.45
1.4	16QAM	3	0	19.82	19.96	19.73
1.4	16QAM	3	1	19.97	19.87	19.80
1.4	16QAM	3	3	19.60	19.76	19.67
1.4	16QAM	6	0	19.80	19.79	19.79
1.4	64QAM	1	0	20.80	20.73	20.74
1.4	64QAM	1	3	20.59	20.69	20.58
1.4	64QAM	1	5	20.75	20.64	20.61
1.4	64QAM	3	0	19.84	19.83	19.73
1.4	64QAM	3	1	19.56	19.85	19.54
1.4	64QAM	3	3	19.72	19.80	19.75
1.4	64QAM	6	0	19.85	19.89	19.66



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	20.68	20.73	20.63
20	QPSK	1	49	20.58	20.70	20.59
20	QPSK	1	99	20.71	20.65	20.61
20	QPSK	50	0	19.82	19.87	19.76
20	QPSK	50	24	19.70	19.81	19.72
20	QPSK	50	50	19.69	19.56	19.53
20	QPSK	100	0	19.60	19.79	19.71
20	16QAM	1	0	19.75	19.93	19.64
20	16QAM	1	49	19.61	19.59	19.70
20	16QAM	1	99	19.75	19.78	19.65
20	16QAM	50	0	18.95	18.94	18.95
20	16QAM	50	24	18.87	18.73	18.88
20	16QAM	50	50	18.69	18.99	18.84
20	16QAM	100	0	18.81	18.92	18.76
20	64QAM	1	0	19.73	19.80	19.86
20	64QAM	1	49	19.60	19.71	19.83
20	64QAM	1	99	19.69	19.73	19.84
20	64QAM	50	0	18.92	18.86	18.75
20	64QAM	50	24	18.75	18.91	18.87
20	64QAM	50	50	18.69	18.92	18.85
20	64QAM	100	0	18.90	18.87	18.85



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	20.67	20.70	20.65
15	QPSK	1	37	20.55	20.64	20.69
15	QPSK	1	74	20.65	20.69	20.59
15	QPSK	36	0	19.80	19.86	19.77
15	QPSK	36	20	19.62	19.82	19.86
15	QPSK	36	39	19.56	19.60	19.58
15	QPSK	75	0	19.63	19.82	19.65
15	16QAM	1	0	19.64	19.83	19.78
15	16QAM	1	37	19.67	19.63	19.73
15	16QAM	1	74	19.81	19.76	19.59
15	16QAM	36	0	18.84	18.76	18.82
15	16QAM	36	20	18.76	18.91	18.87
15	16QAM	36	39	18.91	18.82	18.96
15	16QAM	75	0	18.95	18.85	18.83
15	64QAM	1	0	19.75	19.95	19.95
15	64QAM	1	37	19.70	19.81	19.70
15	64QAM	1	74	19.95	19.89	19.72
15	64QAM	36	0	18.86	18.94	18.95
15	64QAM	36	20	18.78	18.97	18.66
15	64QAM	36	39	18.75	18.95	18.89
15	64QAM	75	0	18.70	18.74	18.83



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	20.52	20.68	20.57
10	QPSK	1	25	20.66	20.61	20.58
10	QPSK	1	49	20.62	20.66	20.63
10	QPSK	25	0	19.80	19.84	19.82
10	QPSK	25	12	19.57	19.72	19.72
10	QPSK	25	25	19.70	19.80	19.74
10	QPSK	50	0	19.65	19.61	19.60
10	16QAM	1	0	19.92	19.80	19.90
10	16QAM	1	25	19.60	19.69	19.80
10	16QAM	1	49	19.80	19.64	19.79
10	16QAM	25	0	18.94	18.81	18.89
10	16QAM	25	12	18.83	18.92	18.76
10	16QAM	25	25	18.86	18.81	18.79
10	16QAM	50	0	18.92	18.88	18.82
10	64QAM	1	0	19.73	19.84	19.92
10	64QAM	1	25	19.58	19.82	19.94
10	64QAM	1	49	19.73	19.81	19.89
10	64QAM	25	0	18.78	18.84	18.94
10	64QAM	25	12	18.81	18.82	18.90
10	64QAM	25	25	18.76	18.90	18.59
10	64QAM	50	0	18.90	18.90	18.78



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	20.69	20.70	20.68
5	QPSK	1	12	20.56	20.61	20.63
5	QPSK	1	24	20.52	20.60	20.57
5	QPSK	12	0	19.75	19.94	19.88
5	QPSK	12	7	19.84	19.90	19.67
5	QPSK	12	13	19.66	19.84	19.75
5	QPSK	25	0	19.67	19.84	19.65
5	16QAM	1	0	19.83	19.94	19.78
5	16QAM	1	12	19.72	19.65	19.68
5	16QAM	1	24	19.81	19.84	19.53
5	16QAM	12	0	18.82	18.93	18.92
5	16QAM	12	7	18.87	18.76	18.82
5	16QAM	12	13	18.79	18.86	18.81
5	16QAM	25	0	18.82	18.90	18.95
5	64QAM	1	0	19.91	19.96	19.76
5	64QAM	1	12	19.76	19.74	19.72
5	64QAM	1	24	19.96	19.99	19.83
5	64QAM	12	0	18.90	18.89	18.71
5	64QAM	12	7	18.72	18.90	18.63
5	64QAM	12	13	18.78	18.91	18.85
5	64QAM	25	0	18.74	18.83	18.84



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	20.57	20.67	20.66
3	QPSK	1	8	20.60	20.63	20.62
3	QPSK	1	14	20.59	20.60	20.57
3	QPSK	8	0	19.79	19.81	19.76
3	QPSK	8	4	19.74	19.78	19.80
3	QPSK	8	7	19.60	19.58	19.77
3	QPSK	15	0	19.76	19.70	19.69
3	16QAM	1	0	19.84	19.74	19.74
3	16QAM	1	8	19.62	19.63	19.67
3	16QAM	1	14	19.63	19.77	19.64
3	16QAM	8	0	18.87	18.94	18.88
3	16QAM	8	4	18.88	18.91	18.80
3	16QAM	8	7	18.93	18.84	18.77
3	16QAM	15	0	18.86	18.90	18.87
3	64QAM	1	0	19.80	19.98	19.72
3	64QAM	1	8	19.86	19.73	19.89
3	64QAM	1	14	19.94	19.89	19.85
3	64QAM	8	0	18.90	18.95	18.77
3	64QAM	8	4	18.76	18.78	18.88
3	64QAM	8	7	18.71	18.90	18.61
3	64QAM	15	0	18.83	18.94	18.80



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	20.61	20.71	20.69
1.4	QPSK	1	3	20.63	20.60	20.60
1.4	QPSK	1	5	20.57	20.58	20.54
1.4	QPSK	3	0	19.78	19.86	19.80
1.4	QPSK	3	1	19.77	19.82	19.75
1.4	QPSK	3	3	19.52	19.56	19.57
1.4	QPSK	6	0	19.71	19.73	19.81
1.4	16QAM	1	0	19.69	19.74	19.79
1.4	16QAM	1	3	19.64	19.60	19.57
1.4	16QAM	1	5	19.72	19.74	19.62
1.4	16QAM	3	0	18.95	18.84	18.87
1.4	16QAM	3	1	18.87	18.99	18.98
1.4	16QAM	3	3	18.80	18.96	18.76
1.4	16QAM	6	0	18.97	18.79	18.94
1.4	64QAM	1	0	19.84	19.78	19.79
1.4	64QAM	1	3	19.59	19.76	19.73
1.4	64QAM	1	5	19.94	19.73	19.93
1.4	64QAM	3	0	18.90	18.86	18.77
1.4	64QAM	3	1	18.81	18.72	18.72
1.4	64QAM	3	3	18.75	18.87	18.85
1.4	64QAM	6	0	18.74	18.94	18.88





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	21.10	21.26	21.25
10	QPSK	1	25	21.23	21.06	21.18
10	QPSK	1	49	21.01	21.15	21.15
10	QPSK	25	0	20.16	20.35	20.24
10	QPSK	25	12	20.11	20.22	20.06
10	QPSK	25	25	19.98	20.13	19.95
10	QPSK	50	0	19.97	20.14	19.88
10	16QAM	1	0	20.17	20.15	20.19
10	16QAM	1	25	19.98	19.92	20.13
10	16QAM	1	49	20.04	19.87	20.07
10	16QAM	25	0	19.17	19.38	19.10
10	16QAM	25	12	19.20	19.25	19.16
10	16QAM	25	25	19.05	19.11	19.21
10	16QAM	50	0	19.36	19.36	19.23
10	64QAM	1	0	20.15	20.14	20.30
10	64QAM	1	25	20.04	20.15	20.07
10	64QAM	1	49	20.24	20.02	20.15
10	64QAM	25	0	19.23	19.12	19.12
10	64QAM	25	12	19.13	19.23	19.10
10	64QAM	25	25	19.02	19.05	18.91
10	64QAM	50	0	19.01	19.03	19.15



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	21.20	21.23	21.18
5	QPSK	1	12	21.14	21.19	21.21
5	QPSK	1	24	20.88	21.08	21.08
5	QPSK	12	0	20.23	20.37	20.09
5	QPSK	12	7	19.96	20.24	20.04
5	QPSK	12	13	19.96	19.98	19.93
5	QPSK	25	0	20.08	20.20	20.00
5	16QAM	1	0	20.21	20.28	20.16
5	16QAM	1	12	19.95	19.91	20.07
5	16QAM	1	24	20.12	20.16	20.21
5	16QAM	12	0	19.22	19.29	19.15
5	16QAM	12	7	19.30	19.10	19.24
5	16QAM	12	13	19.06	19.12	19.08
5	16QAM	25	0	19.25	19.39	19.29
5	64QAM	1	0	20.12	20.21	20.15
5	64QAM	1	12	20.05	20.20	19.93
5	64QAM	1	24	20.24	20.00	20.16
5	64QAM	12	0	19.34	19.14	19.19
5	64QAM	12	7	19.05	19.24	18.98
5	64QAM	12	13	19.02	19.09	19.06
5	64QAM	25	0	18.92	19.03	19.02



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	21.14	21.24	21.15
3	QPSK	1	8	21.11	21.07	21.09
3	QPSK	1	14	20.95	21.14	21.06
3	QPSK	8	0	20.22	20.33	20.25
3	QPSK	8	4	20.17	20.24	20.09
3	QPSK	8	7	19.98	20.03	20.05
3	QPSK	15	0	20.06	20.04	20.03
3	16QAM	1	0	20.02	20.10	20.15
3	16QAM	1	8	20.01	20.07	20.22
3	16QAM	1	14	20.19	19.90	19.99
3	16QAM	8	0	19.28	19.30	19.15
3	16QAM	8	4	19.07	19.27	19.19
3	16QAM	8	7	19.01	19.09	19.30
3	16QAM	15	0	19.33	19.35	19.23
3	64QAM	1	0	20.22	20.29	20.15
3	64QAM	1	8	20.17	20.08	20.08
3	64QAM	1	14	20.26	20.02	20.05
3	64QAM	8	0	19.18	19.12	19.05
3	64QAM	8	4	18.99	19.35	19.03
3	64QAM	8	7	19.02	19.05	19.04
3	64QAM	15	0	19.03	19.17	19.03



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	21.16	21.20	21.12
1.4	QPSK	1	3	21.07	21.11	21.06
1.4	QPSK	1	5	21.01	21.02	21.14
1.4	QPSK	3	0	20.02	20.29	20.31
1.4	QPSK	3	1	20.21	20.19	20.14
1.4	QPSK	3	3	20.04	20.02	20.08
1.4	QPSK	6	0	19.97	20.05	19.79
1.4	16QAM	1	0	20.17	20.00	20.16
1.4	16QAM	1	3	19.89	20.03	20.00
1.4	16QAM	1	5	20.15	19.98	20.15
1.4	16QAM	3	0	19.15	19.23	19.19
1.4	16QAM	3	1	19.16	19.20	19.31
1.4	16QAM	3	3	19.16	19.04	19.29
1.4	16QAM	6	0	19.47	19.30	19.28
1.4	64QAM	1	0	20.20	20.07	20.22
1.4	64QAM	1	3	20.09	20.04	20.12
1.4	64QAM	1	5	20.33	20.04	20.21
1.4	64QAM	3	0	19.30	19.10	19.03
1.4	64QAM	3	1	19.05	19.30	19.02
1.4	64QAM	3	3	19.04	19.17	19.06
1.4	64QAM	6	0	19.13	19.06	19.23



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	20.17	20.22	20.12
20	QPSK	1	49	19.95	20.04	20.00
20	QPSK	1	99	20.17	20.10	20.09
20	QPSK	50	0	19.26	19.30	19.22
20	QPSK	50	24	19.15	19.18	19.27
20	QPSK	50	50	19.16	19.14	19.19
20	QPSK	100	0	19.34	19.17	19.17
20	16QAM	1	0	19.35	19.43	19.42
20	16QAM	1	49	19.04	19.15	19.33
20	16QAM	1	99	19.17	19.35	19.26
20	16QAM	50	0	18.52	18.41	18.42
20	16QAM	50	24	18.46	18.34	18.51
20	16QAM	50	50	18.40	18.43	18.27
20	16QAM	100	0	18.50	18.35	18.50
20	64QAM	1	0	19.22	19.46	19.43
20	64QAM	1	49	19.22	19.25	19.35
20	64QAM	1	99	19.36	19.36	19.18
20	64QAM	50	0	18.47	18.45	18.18
20	64QAM	50	24	18.33	18.50	18.13
20	64QAM	50	50	18.12	18.33	18.14
20	64QAM	100	0	18.39	18.46	18.39



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	20.13	20.20	20.10
15	QPSK	1	37	20.03	20.08	19.96
15	QPSK	1	74	20.13	20.12	20.12
15	QPSK	36	0	19.32	19.42	19.34
15	QPSK	36	20	19.35	19.30	19.33
15	QPSK	36	39	19.11	19.08	19.08
15	QPSK	75	0	19.10	19.13	19.09
15	16QAM	1	0	19.38	19.35	19.30
15	16QAM	1	37	19.00	19.23	19.16
15	16QAM	1	74	19.09	19.13	19.20
15	16QAM	36	0	18.54	18.48	18.56
15	16QAM	36	20	18.42	18.27	18.47
15	16QAM	36	39	18.20	18.31	18.28
15	16QAM	75	0	18.43	18.36	18.31
15	64QAM	1	0	19.37	19.29	19.44
15	64QAM	1	37	19.09	19.35	19.38
15	64QAM	1	74	19.19	19.25	19.22
15	64QAM	36	0	18.36	18.44	18.20
15	64QAM	36	20	18.39	18.23	18.22
15	64QAM	36	39	18.27	18.40	18.32
15	64QAM	75	0	18.18	18.29	18.34



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	20.22	20.19	20.10
10	QPSK	1	25	20.15	20.07	20.05
10	QPSK	1	49	20.11	20.09	20.14
10	QPSK	25	0	19.18	19.38	19.33
10	QPSK	25	12	19.26	19.29	19.25
10	QPSK	25	25	19.21	19.16	19.27
10	QPSK	50	0	19.08	19.27	19.02
10	16QAM	1	0	19.35	19.19	19.43
10	16QAM	1	25	19.14	19.09	19.33
10	16QAM	1	49	19.36	19.23	19.25
10	16QAM	25	0	18.47	18.45	18.33
10	16QAM	25	12	18.28	18.50	18.45
10	16QAM	25	25	18.43	18.51	18.34
10	16QAM	50	0	18.42	18.54	18.51
10	64QAM	1	0	19.34	19.26	19.24
10	64QAM	1	25	19.13	19.37	19.35
10	64QAM	1	49	19.40	19.43	19.23
10	64QAM	25	0	18.42	18.37	18.33
10	64QAM	25	12	18.40	18.42	18.38
10	64QAM	25	25	18.35	18.42	18.32
10	64QAM	50	0	18.20	18.51	18.36



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	20.15	20.18	20.16
5	QPSK	1	12	20.10	20.13	20.06
5	QPSK	1	24	20.11	20.01	20.14
5	QPSK	12	0	19.26	19.39	19.31
5	QPSK	12	7	19.21	19.29	19.35
5	QPSK	12	13	19.14	19.14	19.12
5	QPSK	25	0	19.21	19.22	19.29
5	16QAM	1	0	19.38	19.38	19.26
5	16QAM	1	12	19.13	19.05	19.27
5	16QAM	1	24	19.36	19.11	19.20
5	16QAM	12	0	18.32	18.51	18.59
5	16QAM	12	7	18.48	18.34	18.43
5	16QAM	12	13	18.47	18.34	18.48
5	16QAM	25	0	18.43	18.45	18.33
5	64QAM	1	0	19.42	19.33	19.49
5	64QAM	1	12	19.37	19.21	19.30
5	64QAM	1	24	19.46	19.47	19.36
5	64QAM	12	0	18.24	18.37	18.42
5	64QAM	12	7	18.35	18.22	18.23
5	64QAM	12	13	18.36	18.30	18.10
5	64QAM	25	0	18.21	18.29	18.40





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	20.62	20.86	20.75
10	QPSK	1	25	20.72	20.76	20.58
10	QPSK	1	49	20.71	20.73	20.67
10	QPSK	25	0	19.78	19.83	19.75
10	QPSK	25	12	19.77	19.81	19.78
10	QPSK	25	25	19.83	19.81	19.82
10	QPSK	50	0	19.81	19.78	19.87
10	16QAM	1	0	19.95	19.91	19.98
10	16QAM	1	25	19.67	19.79	19.73
10	16QAM	1	49	19.93	19.72	19.64
10	16QAM	25	0	18.79	18.88	18.92
10	16QAM	25	12	18.71	18.95	18.85
10	16QAM	25	25	18.69	18.82	18.84
10	16QAM	50	0	18.83	18.79	18.88
10	64QAM	1	0	19.84	19.89	19.91
10	64QAM	1	25	19.69	19.74	19.92
10	64QAM	1	49	19.75	19.93	19.98
10	64QAM	25	0	18.83	18.90	18.96
10	64QAM	25	12	18.88	18.70	18.74
10	64QAM	25	25	18.74	18.71	18.93
10	64QAM	50	0	18.89	18.82	18.82



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	20.68	20.83	20.66
5	QPSK	1	12	20.76	20.65	20.76
5	QPSK	1	24	20.73	20.79	20.69
5	QPSK	12	0	19.70	19.88	19.84
5	QPSK	12	7	19.69	19.79	19.78
5	QPSK	12	13	19.72	19.71	19.61
5	QPSK	25	0	19.66	19.80	19.77
5	16QAM	1	0	19.76	19.85	19.87
5	16QAM	1	12	19.85	19.69	19.84
5	16QAM	1	24	19.96	19.74	19.63
5	16QAM	12	0	18.80	18.85	18.88
5	16QAM	12	7	18.90	18.84	18.82
5	16QAM	12	13	18.91	18.93	18.72
5	16QAM	25	0	18.79	18.72	18.63
5	64QAM	1	0	19.95	19.91	19.82
5	64QAM	1	12	19.70	19.95	19.82
5	64QAM	1	24	19.86	19.89	20.01
5	64QAM	12	0	18.74	18.95	18.93
5	64QAM	12	7	18.85	18.98	18.75
5	64QAM	12	13	18.80	18.75	18.78
5	64QAM	25	0	18.95	18.92	18.79



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	20.64	20.84	20.76
3	QPSK	1	8	20.77	20.72	20.77
3	QPSK	1	14	20.65	20.66	20.75
3	QPSK	8	0	20.01	19.96	20.12
3	QPSK	8	4	19.88	19.80	19.93
3	QPSK	8	7	19.75	19.83	19.79
3	QPSK	15	0	19.68	19.99	19.62
3	16QAM	1	0	19.85	19.81	19.84
3	16QAM	1	8	19.73	19.82	19.66
3	16QAM	1	14	19.92	19.70	19.64
3	16QAM	8	0	19.13	18.87	18.79
3	16QAM	8	4	18.91	18.90	18.87
3	16QAM	8	7	18.78	18.72	18.89
3	16QAM	15	0	18.92	18.79	18.97
3	64QAM	1	0	19.83	19.91	19.87
3	64QAM	1	8	19.79	19.95	19.99
3	64QAM	1	14	19.98	19.79	19.85
3	64QAM	8	0	18.79	18.79	18.84
3	64QAM	8	4	18.92	18.92	18.82
3	64QAM	8	7	18.82	18.82	18.87
3	64QAM	15	0	18.92	18.85	18.77



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	20.71	20.79	20.73
1.4	QPSK	1	3	20.64	20.75	20.67
1.4	QPSK	1	5	20.67	20.70	20.65
1.4	QPSK	3	0	19.83	19.86	19.81
1.4	QPSK	3	1	19.76	19.78	19.68
1.4	QPSK	3	3	19.65	19.71	19.67
1.4	QPSK	6	0	19.65	19.88	19.69
1.4	16QAM	1	0	19.81	19.92	19.79
1.4	16QAM	1	3	19.86	19.72	19.72
1.4	16QAM	1	5	19.70	19.67	19.70
1.4	16QAM	3	0	19.07	19.16	19.01
1.4	16QAM	3	1	18.90	18.84	18.97
1.4	16QAM	3	3	18.90	18.91	18.89
1.4	16QAM	6	0	18.79	18.86	18.72
1.4	64QAM	1	0	19.80	19.85	19.94
1.4	64QAM	1	3	19.85	19.77	19.90
1.4	64QAM	1	5	19.84	19.85	19.90
1.4	64QAM	3	0	18.83	18.87	18.95
1.4	64QAM	3	1	18.78	18.75	18.99
1.4	64QAM	3	3	18.71	18.81	18.80
1.4	64QAM	6	0	18.96	18.77	18.86



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	23230	/
Frequency (MHz)				/	782	/
10	QPSK	1	0	/	21.40	/
10	QPSK	1	25	/	21.33	/
10	QPSK	1	49	/	21.29	/
10	QPSK	25	0	/	20.36	/
10	QPSK	25	12	/	20.28	/
10	QPSK	25	25	/	20.22	/
10	QPSK	50	0	/	20.30	/
10	16QAM	1	0	/	20.42	/
10	16QAM	1	25	/	20.26	/
10	16QAM	1	49	/	20.31	/
10	16QAM	25	0	/	19.30	/
10	16QAM	25	12	/	19.21	/
10	16QAM	25	25	/	19.18	/
10	16QAM	50	0	/	19.25	/
10	64QAM	1	0	/	20.37	/
10	64QAM	1	25	/	20.27	/
10	64QAM	1	49	/	20.33	/
10	64QAM	25	0	/	19.25	/
10	64QAM	25	12	/	19.18	/
10	64QAM	25	25	/	19.14	/
10	64QAM	50	0	/	19.19	/



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23205	23230	23255
Frequency (MHz)				779.5	782	784.5
5	QPSK	1	0	21.19	21.31	21.25
5	QPSK	1	12	21.22	21.15	21.19
5	QPSK	1	24	21.16	21.14	21.22
5	QPSK	12	0	20.28	20.32	20.23
5	QPSK	12	7	20.08	20.14	19.96
5	QPSK	12	13	20.05	20.12	20.02
5	QPSK	25	0	20.08	20.23	20.01
5	16QAM	1	0	20.04	20.11	20.16
5	16QAM	1	12	20.11	20.08	20.23
5	16QAM	1	24	20.01	20.09	20.17
5	16QAM	12	0	19.13	19.27	19.03
5	16QAM	12	7	19.15	19.15	19.01
5	16QAM	12	13	18.96	19.15	19.18
5	16QAM	25	0	19.22	19.26	19.14
5	64QAM	1	0	20.29	20.26	20.29
5	64QAM	1	12	20.11	20.06	20.02
5	64QAM	1	24	20.30	20.04	20.12
5	64QAM	12	0	19.10	19.10	19.12
5	64QAM	12	7	19.04	19.14	19.23
5	64QAM	12	13	19.00	19.12	19.12
5	64QAM	25	0	19.11	19.12	19.13



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	21.17	21.30	21.14
10	QPSK	1	25	21.19	21.15	21.06
10	QPSK	1	49	21.04	21.18	21.18
10	QPSK	25	0	20.08	20.31	20.26
10	QPSK	25	12	20.21	20.22	19.98
10	QPSK	25	25	20.03	20.27	20.01
10	QPSK	50	0	20.11	20.27	20.03
10	16QAM	1	0	20.04	20.17	20.17
10	16QAM	1	25	19.92	20.07	20.22
10	16QAM	1	49	19.90	19.91	20.03
10	16QAM	25	0	19.10	19.27	19.00
10	16QAM	25	12	19.25	19.35	19.26
10	16QAM	25	25	19.06	19.11	19.29
10	16QAM	50	0	19.36	19.50	19.32
10	64QAM	1	0	20.30	20.25	20.17
10	64QAM	1	25	20.14	20.14	20.11
10	64QAM	1	49	20.14	20.11	20.13
10	64QAM	25	0	19.10	19.18	19.23
10	64QAM	25	12	19.14	19.16	19.24
10	64QAM	25	25	18.94	19.14	19.11
10	64QAM	50	0	18.93	19.04	19.09



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	21.17	21.25	21.14
5	QPSK	1	12	21.21	21.16	21.15
5	QPSK	1	24	21.13	21.16	21.20
5	QPSK	12	0	20.12	20.33	20.22
5	QPSK	12	7	20.05	20.33	20.13
5	QPSK	12	13	20.10	20.14	20.10
5	QPSK	25	0	19.95	20.25	20.14
5	16QAM	1	0	20.14	20.13	20.09
5	16QAM	1	12	19.95	20.13	20.22
5	16QAM	1	24	20.08	20.11	19.97
5	16QAM	12	0	19.06	19.28	19.14
5	16QAM	12	7	19.24	19.20	19.28
5	16QAM	12	13	18.99	18.97	19.29
5	16QAM	25	0	19.21	19.23	19.30
5	64QAM	1	0	20.06	20.07	20.21
5	64QAM	1	12	20.18	20.07	19.96
5	64QAM	1	24	20.21	20.09	20.03
5	64QAM	12	0	19.19	19.20	19.15
5	64QAM	12	7	19.02	19.16	19.03
5	64QAM	12	13	18.92	18.93	18.98
5	64QAM	25	0	18.92	19.05	19.18





LTE Band 18						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23965	23970	23975
Frequency (MHz)				826.5	827	827.5
5	QPSK	1	0	20.97	20.96	21.06
5	QPSK	1	12	20.91	20.90	21.00
5	QPSK	1	24	20.87	20.82	20.90
5	QPSK	12	0	19.94	20.03	20.04
5	QPSK	12	7	20.03	20.03	20.04
5	QPSK	12	13	19.63	19.67	19.75
5	QPSK	25	0	19.65	19.72	19.74
5	16QAM	1	0	20.08	20.06	20.11
5	16QAM	1	12	19.94	19.93	19.98
5	16QAM	1	24	19.95	19.90	19.98
5	16QAM	12	0	18.81	18.87	18.91
5	16QAM	12	7	19.12	19.06	19.16
5	16QAM	12	13	18.93	18.92	18.98
5	16QAM	25	0	19.17	19.09	19.20
5	64QAM	1	0	19.98	19.97	20.09
5	64QAM	1	12	19.80	19.78	19.82
5	64QAM	1	24	20.05	20.03	20.11
5	64QAM	12	0	19.00	18.99	19.10
5	64QAM	12	7	18.92	18.98	19.02
5	64QAM	12	13	18.87	18.82	18.94
5	64QAM	25	0	18.86	18.77	18.89



LTE Band 19						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	24075	/
Frequency (MHz)				/	837.5	/
15	QPSK	1	0	/	21.44	/
15	QPSK	1	37	/	21.21	/
15	QPSK	1	74	/	21.37	/
15	QPSK	36	0	/	20.45	/
15	QPSK	36	20	/	20.31	/
15	QPSK	36	39	/	20.14	/
15	QPSK	75	0	/	20.38	/
15	16QAM	1	0	/	20.18	/
15	16QAM	1	37	/	20.13	/
15	16QAM	1	74	/	20.15	/
15	16QAM	36	0	/	19.40	/
15	16QAM	36	20	/	19.35	/
15	16QAM	36	39	/	19.26	/
15	16QAM	75	0	/	19.25	/
15	64QAM	1	0	/	20.33	/
15	64QAM	1	37	/	20.40	/
15	64QAM	1	74	/	20.13	/
15	64QAM	36	0	/	19.20	/
15	64QAM	36	20	/	19.33	/
15	64QAM	36	39	/	19.30	/
15	64QAM	75	0	/	19.18	/



LTE Band 19						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				24050	24075	24100
Frequency (MHz)				835	837.5	840
10	QPSK	1	0	21.38	21.40	21.37
10	QPSK	1	25	21.22	21.08	21.30
10	QPSK	1	49	21.19	21.36	21.28
10	QPSK	25	0	20.36	20.36	20.32
10	QPSK	25	12	20.34	20.29	20.12
10	QPSK	25	25	20.01	20.25	20.08
10	QPSK	50	0	20.11	20.15	20.01
10	16QAM	1	0	20.23	20.37	20.36
10	16QAM	1	25	20.25	20.03	20.27
10	16QAM	1	49	20.23	20.05	20.21
10	16QAM	25	0	19.44	19.54	19.32
10	16QAM	25	12	19.33	19.25	19.29
10	16QAM	25	25	19.24	19.25	19.47
10	16QAM	50	0	19.63	19.52	19.42
10	64QAM	1	0	20.23	20.38	20.33
10	64QAM	1	25	20.07	20.35	20.27
10	64QAM	1	49	20.21	20.07	20.19
10	64QAM	25	0	19.37	19.36	19.27
10	64QAM	25	12	19.36	19.30	19.35
10	64QAM	25	25	19.13	19.29	19.20
10	64QAM	50	0	19.08	19.27	19.34



LTE Band 19						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				24025	24075	24125
Frequency (MHz)				832.5	837.5	842.5
5	QPSK	1	0	21.10	21.38	21.33
5	QPSK	1	12	21.26	21.08	21.30
5	QPSK	1	24	21.26	21.31	21.37
5	QPSK	12	0	20.20	20.41	20.29
5	QPSK	12	7	20.31	20.43	20.27
5	QPSK	12	13	20.27	20.41	20.10
5	QPSK	25	0	20.05	20.20	20.05
5	16QAM	1	0	20.25	20.19	20.36
5	16QAM	1	12	20.10	20.10	20.24
5	16QAM	1	24	20.34	20.07	20.36
5	16QAM	12	0	19.37	19.43	19.19
5	16QAM	12	7	19.33	19.26	19.40
5	16QAM	12	13	19.18	19.14	19.32
5	16QAM	25	0	19.41	19.31	19.44
5	64QAM	1	0	20.20	20.38	20.34
5	64QAM	1	12	20.25	20.41	20.37
5	64QAM	1	24	20.24	20.19	20.42
5	64QAM	12	0	19.39	19.18	19.15
5	64QAM	12	7	19.43	19.23	19.18
5	64QAM	12	13	19.31	19.18	19.18
5	64QAM	25	0	19.27	19.04	19.25



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26140	26365	26590
Frequency (MHz)				1860	1882.5	1905
20	QPSK	1	0	22.13	22.26	22.21
20	QPSK	1	49	22.05	22.10	22.16
20	QPSK	1	99	21.95	22.14	22.01
20	QPSK	50	0	21.08	21.26	21.22
20	QPSK	50	24	21.02	21.20	21.15
20	QPSK	50	50	21.05	20.96	21.03
20	QPSK	100	0	21.02	21.07	21.12
20	16QAM	1	0	21.15	20.96	21.12
20	16QAM	1	49	21.06	20.96	20.99
20	16QAM	1	99	20.89	20.90	20.93
20	16QAM	50	0	20.25	20.28	20.10
20	16QAM	50	24	20.22	20.17	20.24
20	16QAM	50	50	19.97	20.20	20.31
20	16QAM	100	0	20.45	20.42	20.13
20	64QAM	1	0	20.96	21.08	21.12
20	64QAM	1	49	20.90	21.12	20.91
20	64QAM	1	99	21.16	20.96	21.07
20	64QAM	50	0	20.28	20.12	20.01
20	64QAM	50	24	20.04	20.17	20.17
20	64QAM	50	50	20.08	20.15	20.05
20	64QAM	100	0	20.10	20.07	20.09



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26115	26365	26615
Frequency (MHz)				1857.5	1882.5	1907.5
15	QPSK	1	0	22.13	22.23	22.10
15	QPSK	1	37	22.18	21.96	22.21
15	QPSK	1	74	21.95	22.15	21.99
15	QPSK	36	0	21.13	21.16	21.32
15	QPSK	36	20	21.13	21.18	21.11
15	QPSK	36	39	21.04	21.22	21.03
15	QPSK	75	0	21.11	21.17	21.05
15	16QAM	1	0	21.19	21.21	21.26
15	16QAM	1	37	20.92	21.02	21.11
15	16QAM	1	74	21.07	21.06	21.07
15	16QAM	36	0	20.09	20.21	20.20
15	16QAM	36	20	20.18	20.16	20.11
15	16QAM	36	39	20.09	19.98	20.12
15	16QAM	75	0	20.16	20.20	20.03
15	64QAM	1	0	21.21	21.14	21.18
15	64QAM	1	37	21.05	21.22	21.08
15	64QAM	1	74	21.04	21.05	20.96
15	64QAM	36	0	20.16	20.00	19.93
15	64QAM	36	20	20.18	20.11	20.00
15	64QAM	36	39	20.04	19.93	19.95
15	64QAM	75	0	19.81	19.88	20.05



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26090	26365	26640
Frequency (MHz)				1855	1882.5	1910
10	QPSK	1	0	22.14	22.19	22.15
10	QPSK	1	25	22.17	22.04	22.09
10	QPSK	1	49	22.04	22.05	22.03
10	QPSK	25	0	21.11	21.23	21.15
10	QPSK	25	12	21.08	21.09	21.00
10	QPSK	25	25	20.89	21.06	21.09
10	QPSK	50	0	20.80	20.98	21.04
10	16QAM	1	0	20.98	20.99	20.99
10	16QAM	1	25	20.95	21.02	21.11
10	16QAM	1	49	20.97	20.91	21.10
10	16QAM	25	0	20.15	20.25	19.98
10	16QAM	25	12	20.18	20.07	20.14
10	16QAM	25	25	20.14	19.94	20.08
10	16QAM	50	0	20.23	20.29	20.27
10	64QAM	1	0	21.25	21.10	21.14
10	64QAM	1	25	21.07	21.07	21.02
10	64QAM	1	49	21.19	21.04	21.07
10	64QAM	25	0	20.05	20.22	20.02
10	64QAM	25	12	20.07	20.14	20.04
10	64QAM	25	25	20.12	20.05	20.10
10	64QAM	50	0	20.04	20.04	20.14



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26065	26365	26665
Frequency (MHz)				1852.5	1882.5	1912.5
5	QPSK	1	0	22.09	22.16	22.14
5	QPSK	1	12	22.07	22.05	22.12
5	QPSK	1	24	21.99	22.09	22.06
5	QPSK	12	0	21.24	21.27	21.04
5	QPSK	12	7	21.01	21.06	21.14
5	QPSK	12	13	21.07	21.23	21.05
5	QPSK	25	0	21.00	21.08	20.75
5	16QAM	1	0	21.15	21.07	21.03
5	16QAM	1	12	21.02	21.05	21.20
5	16QAM	1	24	21.06	21.09	21.11
5	16QAM	12	0	20.17	20.27	19.97
5	16QAM	12	7	20.18	20.23	20.07
5	16QAM	12	13	19.95	19.95	20.11
5	16QAM	25	0	20.16	20.12	20.22
5	64QAM	1	0	21.16	21.09	21.25
5	64QAM	1	12	21.05	21.23	20.94
5	64QAM	1	24	21.13	20.90	21.14
5	64QAM	12	0	20.05	19.96	20.08
5	64QAM	12	7	19.95	20.12	20.15
5	64QAM	12	13	20.12	19.92	19.86
5	64QAM	25	0	20.02	19.94	20.11





LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26055	26365	26675
Frequency (MHz)				1851.5	1882.5	1913.5
3	QPSK	1	0	22.12	22.17	22.09
3	QPSK	1	8	22.10	22.11	21.99
3	QPSK	1	14	21.93	22.13	22.13
3	QPSK	8	0	21.00	21.33	21.30
3	QPSK	8	4	21.07	21.25	21.02
3	QPSK	8	7	21.09	21.08	21.05
3	QPSK	15	0	20.85	21.07	20.70
3	16QAM	1	0	21.14	21.01	21.13
3	16QAM	1	8	20.81	20.92	21.04
3	16QAM	1	14	21.04	20.81	20.97
3	16QAM	8	0	20.09	20.34	20.12
3	16QAM	8	4	20.29	20.28	20.18
3	16QAM	8	7	20.05	20.08	20.14
3	16QAM	15	0	20.37	20.24	20.31
3	64QAM	1	0	21.14	21.15	21.25
3	64QAM	1	8	21.04	21.22	21.13
3	64QAM	1	14	21.17	21.06	21.20
3	64QAM	8	0	20.07	20.01	20.09
3	64QAM	8	4	20.23	20.27	19.99
3	64QAM	8	7	20.01	20.11	19.95
3	64QAM	15	0	20.08	19.98	20.16



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26047	26365	26683
Frequency (MHz)				1850.7	1882.5	1914.3
1.4	QPSK	1	0	22.12	22.18	22.08
1.4	QPSK	1	3	22.10	22.02	22.01
1.4	QPSK	1	5	22.02	22.12	22.11
1.4	QPSK	3	0	21.11	21.34	21.04
1.4	QPSK	3	1	21.05	21.06	21.00
1.4	QPSK	3	3	21.08	21.03	21.04
1.4	QPSK	6	0	21.04	21.20	20.93
1.4	16QAM	1	0	21.07	21.16	21.26
1.4	16QAM	1	3	21.08	21.12	21.18
1.4	16QAM	1	5	21.13	21.01	21.00
1.4	16QAM	3	0	20.07	20.13	20.09
1.4	16QAM	3	1	20.05	20.28	20.08
1.4	16QAM	3	3	20.08	20.01	20.11
1.4	16QAM	6	0	20.21	20.30	20.24
1.4	64QAM	1	0	21.06	21.09	21.30
1.4	64QAM	1	3	21.02	21.15	21.04
1.4	64QAM	1	5	21.22	21.00	21.19
1.4	64QAM	3	0	20.10	20.14	19.96
1.4	64QAM	3	1	20.01	20.13	20.02
1.4	64QAM	3	3	19.92	20.00	19.89
1.4	64QAM	6	0	19.90	19.96	19.98



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26865	26915	26965
Frequency (MHz)				831.5	836.5	841.5
15	QPSK	1	0	22.19	22.15	22.15
15	QPSK	1	37	22.11	22.01	22.01
15	QPSK	1	74	22.01	22.03	22.12
15	QPSK	36	0	21.27	21.21	21.15
15	QPSK	36	20	21.25	21.11	20.98
15	QPSK	36	39	21.04	20.97	20.99
15	QPSK	75	0	21.10	20.95	20.91
15	16QAM	1	0	21.16	21.09	21.05
15	16QAM	1	37	20.91	20.90	20.93
15	16QAM	1	74	20.91	20.86	20.91
15	16QAM	36	0	20.24	20.18	20.17
15	16QAM	36	20	20.07	20.07	20.19
15	16QAM	36	39	19.93	20.05	20.25
15	16QAM	75	0	20.17	20.10	20.04
15	64QAM	1	0	21.18	21.17	21.16
15	64QAM	1	37	21.19	21.07	21.02
15	64QAM	1	74	21.04	21.01	20.98
15	64QAM	36	0	20.16	20.03	19.94
15	64QAM	36	20	20.24	20.14	20.15
15	64QAM	36	39	20.13	20.00	19.91
15	64QAM	75	0	19.90	20.03	20.22



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	22.10	22.09	22.16
10	QPSK	1	25	22.01	22.02	22.07
10	QPSK	1	49	21.96	22.06	22.08
10	QPSK	25	0	21.03	21.06	21.12
10	QPSK	25	12	21.06	21.06	21.12
10	QPSK	25	25	20.88	20.87	20.92
10	QPSK	50	0	20.83	20.85	20.92
10	16QAM	1	0	21.19	21.08	21.20
10	16QAM	1	25	20.95	21.02	21.07
10	16QAM	1	49	20.96	20.97	21.03
10	16QAM	25	0	20.05	20.06	20.09
10	16QAM	25	12	19.95	19.94	20.01
10	16QAM	25	25	20.00	19.95	20.07
10	16QAM	50	0	20.28	20.23	20.32
10	64QAM	1	0	21.07	21.00	21.12
10	64QAM	1	25	21.07	21.04	21.08
10	64QAM	1	49	20.99	20.95	21.02
10	64QAM	25	0	20.11	20.06	20.12
10	64QAM	25	12	20.03	19.99	20.04
10	64QAM	25	25	19.96	19.90	19.98
10	64QAM	50	0	20.10	20.06	20.18



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	22.08	22.13	22.15
5	QPSK	1	12	21.98	21.96	22.06
5	QPSK	1	24	22.06	22.07	22.10
5	QPSK	12	0	21.01	21.07	21.09
5	QPSK	12	7	20.81	20.87	20.88
5	QPSK	12	13	20.85	20.87	20.95
5	QPSK	25	0	20.86	20.81	20.89
5	16QAM	1	0	20.96	21.05	21.07
5	16QAM	1	12	20.98	21.00	21.02
5	16QAM	1	24	20.83	20.82	20.88
5	16QAM	12	0	20.01	20.07	20.13
5	16QAM	12	7	19.94	19.99	20.06
5	16QAM	12	13	20.12	20.09	20.19
5	16QAM	25	0	19.98	20.00	20.03
5	64QAM	1	0	21.06	21.03	21.10
5	64QAM	1	12	21.03	21.08	21.14
5	64QAM	1	24	20.86	20.87	20.95
5	64QAM	12	0	19.91	19.91	19.95
5	64QAM	12	7	20.14	20.15	20.16
5	64QAM	12	13	19.99	19.94	20.04
5	64QAM	25	0	20.06	20.06	20.13



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	21.99	22.00	22.06
3	QPSK	1	8	21.93	21.94	22.04
3	QPSK	1	14	21.86	21.90	21.95
3	QPSK	8	0	21.13	21.16	21.18
3	QPSK	8	4	21.09	21.12	21.15
3	QPSK	8	7	21.02	21.02	21.04
3	QPSK	15	0	20.91	20.86	20.97
3	16QAM	1	0	21.06	21.17	21.18
3	16QAM	1	8	21.20	21.21	21.23
3	16QAM	1	14	20.82	20.81	20.92
3	16QAM	8	0	20.10	20.09	20.12
3	16QAM	8	4	20.07	20.10	20.14
3	16QAM	8	7	19.96	20.01	20.03
3	16QAM	15	0	20.19	20.17	20.22
3	64QAM	1	0	21.16	21.14	21.25
3	64QAM	1	8	20.87	20.82	20.89
3	64QAM	1	14	21.07	21.09	21.15
3	64QAM	8	0	19.99	20.04	20.08
3	64QAM	8	4	20.13	20.04	20.14
3	64QAM	8	7	19.83	19.91	19.94
3	64QAM	15	0	20.12	20.05	20.14



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	21.93	21.97	22.05
1.4	QPSK	1	3	22.04	22.02	22.10
1.4	QPSK	1	5	21.95	22.03	22.06
1.4	QPSK	3	0	20.99	21.01	21.04
1.4	QPSK	3	1	20.97	20.96	21.05
1.4	QPSK	3	3	20.95	21.05	21.06
1.4	QPSK	6	0	20.90	20.91	20.96
1.4	16QAM	1	0	20.93	21.00	21.03
1.4	16QAM	1	3	21.13	21.14	21.20
1.4	16QAM	1	5	20.78	20.79	20.88
1.4	16QAM	3	0	20.08	20.02	20.10
1.4	16QAM	3	1	20.09	20.16	20.18
1.4	16QAM	3	3	20.09	20.08	20.17
1.4	16QAM	6	0	20.07	20.07	20.15
1.4	64QAM	1	0	21.28	21.19	21.30
1.4	64QAM	1	3	20.95	20.94	20.97
1.4	64QAM	1	5	21.16	21.23	21.24
1.4	64QAM	3	0	20.12	20.07	20.15
1.4	64QAM	3	1	20.16	20.13	20.20
1.4	64QAM	3	3	19.74	19.75	19.82
1.4	64QAM	6	0	20.05	20.05	20.12



LTE Band 30						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	27710	/
Frequency (MHz)				/	2310	/
10	QPSK	1	0	/	20.83	/
10	QPSK	1	25	/	20.61	/
10	QPSK	1	49	/	20.66	/
10	QPSK	25	0	/	19.85	/
10	QPSK	25	12	/	19.78	/
10	QPSK	25	25	/	19.58	/
10	QPSK	50	0	/	19.78	/
10	16QAM	1	0	/	19.88	/
10	16QAM	1	25	/	19.68	/
10	16QAM	1	49	/	19.61	/
10	16QAM	25	0	/	18.86	/
10	16QAM	25	12	/	18.79	/
10	16QAM	25	25	/	18.66	/
10	16QAM	50	0	/	18.79	/
10	64QAM	1	0	/	19.64	/
10	64QAM	1	25	/	19.73	/
10	64QAM	1	49	/	19.66	/
10	64QAM	25	0	/	18.53	/
10	64QAM	25	12	/	18.89	/
10	64QAM	25	25	/	18.63	/
10	64QAM	50	0	/	18.55	/





LTE Band 30						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				27685	27710	27735
Frequency (MHz)				2307.5	2310	2312.5
5	QPSK	1	0	20.73	20.80	20.73
5	QPSK	1	12	20.75	20.71	20.72
5	QPSK	1	24	20.59	20.59	20.64
5	QPSK	12	0	19.77	19.88	19.86
5	QPSK	12	7	19.64	19.83	19.53
5	QPSK	12	13	19.62	19.74	19.55
5	QPSK	25	0	19.46	19.70	19.35
5	16QAM	1	0	19.77	19.76	19.76
5	16QAM	1	12	19.65	19.57	19.62
5	16QAM	1	24	19.67	19.63	19.58
5	16QAM	12	0	18.79	18.92	18.62
5	16QAM	12	7	18.83	18.90	18.83
5	16QAM	12	13	18.69	18.76	18.85
5	16QAM	25	0	18.80	18.89	18.87
5	64QAM	1	0	19.68	19.60	19.89
5	64QAM	1	12	19.59	19.81	19.75
5	64QAM	1	24	19.75	19.67	19.80
5	64QAM	12	0	18.83	18.82	18.65
5	64QAM	12	7	18.81	18.67	18.60
5	64QAM	12	13	18.64	18.66	18.54
5	64QAM	25	0	18.66	18.53	18.75



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	21.15	21.29	21.24
20	QPSK	1	49	21.11	21.12	21.12
20	QPSK	1	99	21.07	21.21	21.17
20	QPSK	50	0	20.09	20.35	20.30
20	QPSK	50	24	20.07	20.30	20.09
20	QPSK	50	50	20.08	20.28	20.08
20	QPSK	100	0	20.17	20.24	19.93
20	16QAM	1	0	20.30	20.29	20.28
20	16QAM	1	49	20.11	20.04	20.16
20	16QAM	1	99	20.15	20.05	20.16
20	16QAM	50	0	19.30	19.38	19.27
20	16QAM	50	24	19.17	19.27	19.19
20	16QAM	50	50	19.04	19.24	19.30
20	16QAM	100	0	19.20	19.21	19.24
20	64QAM	1	0	20.24	20.29	20.22
20	64QAM	1	49	20.13	20.26	20.14
20	64QAM	1	99	20.12	20.10	20.05
20	64QAM	50	0	19.15	19.13	19.06
20	64QAM	50	24	19.13	19.16	19.12
20	64QAM	50	50	19.15	19.11	19.07
20	64QAM	100	0	19.06	19.04	19.21



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				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	21.16	21.26	21.23
15	QPSK	1	37	21.13	21.09	21.09
15	QPSK	1	74	21.02	21.18	21.17
15	QPSK	36	0	20.10	20.30	20.24
15	QPSK	36	20	20.17	20.24	20.09
15	QPSK	36	39	20.09	20.21	20.10
15	QPSK	75	0	20.09	20.07	20.08
15	16QAM	1	0	20.24	20.29	20.27
15	16QAM	1	37	20.09	20.10	20.13
15	16QAM	1	74	20.23	20.06	20.14
15	16QAM	36	0	19.21	19.37	19.24
15	16QAM	36	20	19.30	19.24	19.17
15	16QAM	36	39	19.09	19.16	19.16
15	16QAM	75	0	19.28	19.38	19.27
15	64QAM	1	0	20.34	20.31	20.28
15	64QAM	1	37	20.11	20.32	20.20
15	64QAM	1	74	20.21	20.06	20.16
15	64QAM	36	0	19.38	19.31	19.27
15	64QAM	36	20	19.09	19.25	19.23
15	64QAM	36	39	19.03	19.14	19.13
15	64QAM	75	0	19.18	19.15	19.18



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	21.19	21.25	21.21
10	QPSK	1	25	21.18	21.15	21.20
10	QPSK	1	49	21.05	21.10	21.16
10	QPSK	25	0	20.22	20.29	20.27
10	QPSK	25	12	20.13	20.36	20.16
10	QPSK	25	25	20.08	20.25	20.02
10	QPSK	50	0	20.04	20.24	20.18
10	16QAM	1	0	20.21	20.05	20.21
10	16QAM	1	25	19.92	20.02	20.11
10	16QAM	1	49	20.08	19.96	20.27
10	16QAM	25	0	19.19	19.38	19.19
10	16QAM	25	12	19.27	19.15	19.12
10	16QAM	25	25	19.02	19.12	19.35
10	16QAM	50	0	19.35	19.42	19.42
10	64QAM	1	0	20.26	20.28	20.27
10	64QAM	1	25	20.01	20.32	20.11
10	64QAM	1	49	20.19	20.11	20.28
10	64QAM	25	0	19.16	19.05	19.13
10	64QAM	25	12	19.18	19.21	19.04
10	64QAM	25	25	19.03	19.16	19.07
10	64QAM	50	0	19.18	19.18	19.15



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	21.10	21.24	21.21
5	QPSK	1	12	21.05	21.21	21.10
5	QPSK	1	24	21.19	21.10	21.20
5	QPSK	12	0	20.12	20.33	20.26
5	QPSK	12	7	20.27	20.30	20.02
5	QPSK	12	13	20.03	20.31	20.05
5	QPSK	25	0	20.02	20.11	19.95
5	16QAM	1	0	20.28	20.30	20.12
5	16QAM	1	12	20.14	19.96	20.33
5	16QAM	1	24	20.14	20.03	20.09
5	16QAM	12	0	19.27	19.36	19.03
5	16QAM	12	7	19.20	19.23	19.34
5	16QAM	12	13	19.08	19.17	19.17
5	16QAM	25	0	19.47	19.41	19.34
5	64QAM	1	0	20.07	20.18	20.25
5	64QAM	1	12	20.07	20.08	20.19
5	64QAM	1	24	20.30	20.05	20.17
5	64QAM	12	0	19.26	19.09	19.17
5	64QAM	12	7	19.16	19.17	19.00
5	64QAM	12	13	19.19	19.17	19.10
5	64QAM	25	0	18.97	19.01	19.06



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	38750	/
Frequency (MHz)				/	2310	/
10	QPSK	1	0	/	20.61	/
10	QPSK	1	25	/	20.55	/
10	QPSK	1	49	/	20.53	/
10	QPSK	25	0	/	19.65	/
10	QPSK	25	12	/	19.60	/
10	QPSK	25	25	/	19.52	/
10	QPSK	50	0	/	19.57	/
10	16QAM	1	0	/	19.59	/
10	16QAM	1	25	/	19.55	/
10	16QAM	1	49	/	19.53	/
10	16QAM	25	0	/	18.69	/
10	16QAM	25	12	/	18.62	/
10	16QAM	25	25	/	18.60	/
10	16QAM	50	0	/	18.65	/
10	64QAM	1	0	/	19.61	/
10	64QAM	1	25	/	19.51	/
10	64QAM	1	49	/	19.47	/
10	64QAM	25	0	/	18.66	/
10	64QAM	25	12	/	18.52	/
10	64QAM	25	25	/	18.53	/
10	64QAM	50	0	/	18.56	/



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				38725	38750	38775
Frequency (MHz)				2307.5	2310	2312.5
5	QPSK	1	0	20.53	20.58	20.57
5	QPSK	1	12	20.56	20.31	20.45
5	QPSK	1	24	20.48	20.53	20.49
5	QPSK	12	0	19.51	19.56	19.54
5	QPSK	12	7	19.38	19.53	19.27
5	QPSK	12	13	19.44	19.40	19.36
5	QPSK	25	0	19.20	19.43	19.27
5	16QAM	1	0	19.57	19.55	19.49
5	16QAM	1	12	19.22	19.35	19.38
5	16QAM	1	24	19.50	19.33	19.33
5	16QAM	12	0	18.40	18.83	18.45
5	16QAM	12	7	18.43	18.61	18.51
5	16QAM	12	13	18.46	18.55	18.66
5	16QAM	25	0	18.82	18.73	18.49
5	64QAM	1	0	19.51	19.59	19.61
5	64QAM	1	12	19.55	19.63	19.43
5	64QAM	1	24	19.74	19.41	19.40
5	64QAM	12	0	18.60	18.41	18.36
5	64QAM	12	7	18.57	18.44	18.49
5	64QAM	12	13	18.35	18.43	18.45
5	64QAM	25	0	18.45	18.47	18.46



LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	39200	/
Frequency (MHz)				/	2355	/
10	QPSK	1	0	/	20.56	/
10	QPSK	1	25	/	20.53	/
10	QPSK	1	49	/	20.50	/
10	QPSK	25	0	/	19.61	/
10	QPSK	25	12	/	19.55	/
10	QPSK	25	25	/	19.57	/
10	QPSK	50	0	/	19.54	/
10	16QAM	1	0	/	19.54	/
10	16QAM	1	25	/	19.56	/
10	16QAM	1	49	/	19.58	/
10	16QAM	25	0	/	18.64	/
10	16QAM	25	12	/	18.53	/
10	16QAM	25	25	/	18.54	/
10	16QAM	50	0	/	18.57	/
10	64QAM	1	0	/	19.63	/
10	64QAM	1	25	/	19.61	/
10	64QAM	1	49	/	19.57	/
10	64QAM	25	0	/	18.60	/
10	64QAM	25	12	/	18.42	/
10	64QAM	25	25	/	18.48	/
10	64QAM	50	0	/	18.51	/





LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39175	39200	39225
Frequency (MHz)				2352.5	2355	2357.5
5	QPSK	1	0	20.53	20.53	20.48
5	QPSK	1	12	20.51	20.42	20.50
5	QPSK	1	24	20.40	20.45	20.41
5	QPSK	12	0	19.59	19.57	19.57
5	QPSK	12	7	19.51	19.65	19.28
5	QPSK	12	13	19.35	19.39	19.33
5	QPSK	25	0	19.44	19.57	19.43
5	16QAM	1	0	19.61	19.64	19.55
5	16QAM	1	12	19.34	19.40	19.43
5	16QAM	1	24	19.40	19.31	19.57
5	16QAM	12	0	18.52	18.64	18.55
5	16QAM	12	7	18.52	18.63	18.44
5	16QAM	12	13	18.51	18.53	18.65
5	16QAM	25	0	18.71	18.78	18.73
5	64QAM	1	0	19.47	19.56	19.58
5	64QAM	1	12	19.51	19.40	19.54
5	64QAM	1	24	19.50	19.49	19.62
5	64QAM	12	0	18.67	18.41	18.37
5	64QAM	12	7	18.46	18.56	18.34
5	64QAM	12	13	18.44	18.43	18.34
5	64QAM	25	0	18.44	18.45	18.52



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	21.39	21.65	21.52
20	QPSK	1	49	21.46	21.59	21.46
20	QPSK	1	99	21.31	21.45	21.43
20	QPSK	50	0	20.66	20.75	20.63
20	QPSK	50	24	20.61	20.72	20.50
20	QPSK	50	50	20.45	20.60	20.47
20	QPSK	100	0	20.45	20.62	20.43
20	16QAM	1	0	20.47	20.66	20.49
20	16QAM	1	49	20.44	20.38	20.37
20	16QAM	1	99	20.42	20.45	20.40
20	16QAM	50	0	19.55	19.76	19.58
20	16QAM	50	24	19.47	19.52	19.48
20	16QAM	50	50	19.40	19.46	19.37
20	16QAM	100	0	19.67	19.67	19.57
20	64QAM	1	0	20.60	20.59	20.37
20	64QAM	1	49	20.26	20.37	20.50
20	64QAM	1	99	20.52	20.30	20.46
20	64QAM	50	0	19.63	19.62	19.64
20	64QAM	50	24	19.50	19.60	19.62
20	64QAM	50	50	19.50	19.51	19.49
20	64QAM	100	0	19.40	19.42	19.33



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				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	21.46	21.62	21.36
15	QPSK	1	37	21.60	21.43	21.46
15	QPSK	1	74	21.41	21.35	21.39
15	QPSK	36	0	20.46	20.65	20.49
15	QPSK	36	20	20.48	20.59	20.34
15	QPSK	36	39	20.34	20.39	20.33
15	QPSK	75	0	20.28	20.45	20.45
15	16QAM	1	0	20.66	20.74	20.67
15	16QAM	1	37	20.40	20.52	20.37
15	16QAM	1	74	20.42	20.53	20.48
15	16QAM	36	0	19.62	19.73	19.59
15	16QAM	36	20	19.58	19.63	19.66
15	16QAM	36	39	19.51	19.57	19.46
15	16QAM	75	0	19.67	19.67	19.81
15	64QAM	1	0	20.47	20.66	20.65
15	64QAM	1	37	20.47	20.58	20.34
15	64QAM	1	74	20.48	20.46	20.59
15	64QAM	36	0	19.73	19.62	19.46
15	64QAM	36	20	19.41	19.51	19.42
15	64QAM	36	39	19.39	19.42	19.50
15	64QAM	75	0	19.50	19.52	19.43



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	21.41	21.60	21.46
10	QPSK	1	25	21.45	21.50	21.50
10	QPSK	1	49	21.45	21.46	21.36
10	QPSK	25	0	20.64	20.75	20.65
10	QPSK	25	12	20.42	20.53	20.48
10	QPSK	25	25	20.40	20.45	20.45
10	QPSK	50	0	20.18	20.35	20.44
10	16QAM	1	0	20.43	20.61	20.67
10	16QAM	1	25	20.35	20.29	20.28
10	16QAM	1	49	20.56	20.59	20.41
10	16QAM	25	0	19.53	19.64	19.59
10	16QAM	25	12	19.63	19.68	19.65
10	16QAM	25	25	19.46	19.52	19.36
10	16QAM	50	0	19.70	19.70	19.66
10	64QAM	1	0	20.52	20.51	20.53
10	64QAM	1	25	20.53	20.64	20.49
10	64QAM	1	49	20.54	20.52	20.57
10	64QAM	25	0	19.49	19.58	19.43
10	64QAM	25	12	19.56	19.66	19.50
10	64QAM	25	25	19.48	19.51	19.35
10	64QAM	50	0	19.41	19.43	19.35



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	21.58	21.59	21.45
5	QPSK	1	12	21.48	21.55	21.55
5	QPSK	1	24	21.31	21.45	21.42
5	QPSK	12	0	20.61	20.80	20.64
5	QPSK	12	7	20.55	20.66	20.55
5	QPSK	12	13	20.42	20.52	20.44
5	QPSK	25	0	20.35	20.47	20.32
5	16QAM	1	0	20.67	20.65	20.53
5	16QAM	1	12	20.38	20.32	20.46
5	16QAM	1	24	20.52	20.35	20.33
5	16QAM	12	0	19.67	19.78	19.47
5	16QAM	12	7	19.56	19.61	19.51
5	16QAM	12	13	19.44	19.40	19.51
5	16QAM	25	0	19.58	19.58	19.84
5	64QAM	1	0	20.51	20.50	20.49
5	64QAM	1	12	20.37	20.48	20.35
5	64QAM	1	24	20.71	20.49	20.70
5	64QAM	12	0	19.47	19.56	19.68
5	64QAM	12	7	19.49	19.59	19.57
5	64QAM	12	13	19.50	19.53	19.50
5	64QAM	25	0	19.41	19.43	19.26



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	20.66	20.81	20.78
20	QPSK	1	49	20.79	20.69	20.72
20	QPSK	1	99	20.53	20.68	20.77
20	QPSK	50	0	19.59	19.86	19.67
20	QPSK	50	24	19.64	19.86	19.69
20	QPSK	50	50	19.58	19.68	19.60
20	QPSK	100	0	19.62	19.80	19.59
20	16QAM	1	0	19.74	19.76	19.82
20	16QAM	1	49	19.63	19.63	19.60
20	16QAM	1	99	19.63	19.68	19.69
20	16QAM	50	0	18.69	18.80	18.68
20	16QAM	50	24	18.61	18.70	18.69
20	16QAM	50	50	18.62	18.77	18.85
20	16QAM	100	0	18.76	18.85	18.90
20	64QAM	1	0	19.58	19.72	19.81
20	64QAM	1	49	19.68	19.62	19.74
20	64QAM	1	99	19.83	19.65	19.66
20	64QAM	50	0	18.63	18.63	18.58
20	64QAM	50	24	18.58	18.71	18.58
20	64QAM	50	50	18.65	18.69	18.62
20	64QAM	100	0	18.61	18.74	18.78



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	20.63	20.78	20.68
15	QPSK	1	37	20.64	20.69	20.76
15	QPSK	1	74	20.59	20.59	20.63
15	QPSK	36	0	19.76	19.86	19.81
15	QPSK	36	20	19.55	19.91	19.73
15	QPSK	36	39	19.54	19.78	19.55
15	QPSK	75	0	19.60	19.78	19.68
15	16QAM	1	0	19.65	19.78	19.59
15	16QAM	1	37	19.48	19.62	19.80
15	16QAM	1	74	19.62	19.58	19.56
15	16QAM	36	0	18.70	18.85	18.78
15	16QAM	36	20	18.84	18.75	18.59
15	16QAM	36	39	18.70	18.56	18.75
15	16QAM	75	0	18.81	18.99	18.87
15	64QAM	1	0	19.62	19.67	19.86
15	64QAM	1	37	19.69	19.75	19.70
15	64QAM	1	74	19.79	19.56	19.81
15	64QAM	36	0	18.71	18.66	18.73
15	64QAM	36	20	18.58	18.63	18.75
15	64QAM	36	39	18.70	18.64	18.53
15	64QAM	75	0	18.50	18.66	18.73



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	20.76	20.79	20.69
10	QPSK	1	25	20.76	20.56	20.65
10	QPSK	1	49	20.66	20.56	20.71
10	QPSK	25	0	19.65	19.81	19.80
10	QPSK	25	12	19.51	19.79	19.58
10	QPSK	25	25	19.67	19.59	19.55
10	QPSK	50	0	19.69	19.80	19.61
10	16QAM	1	0	19.65	19.81	19.80
10	16QAM	1	25	19.63	19.57	19.65
10	16QAM	1	49	19.65	19.55	19.66
10	16QAM	25	0	18.61	18.81	18.66
10	16QAM	25	12	18.62	18.77	18.74
10	16QAM	25	25	18.64	18.52	18.87
10	16QAM	50	0	19.06	18.80	18.75
10	64QAM	1	0	19.65	19.72	19.89
10	64QAM	1	25	19.56	19.56	19.56
10	64QAM	1	49	19.72	19.68	19.63
10	64QAM	25	0	18.69	18.71	18.79
10	64QAM	25	12	18.74	18.85	18.59
10	64QAM	25	25	18.51	18.66	18.57
10	64QAM	50	0	18.67	18.44	18.61





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	20.52	20.76	20.72
5	QPSK	1	12	20.65	20.64	20.60
5	QPSK	1	24	20.62	20.59	20.64
5	QPSK	12	0	19.82	19.89	19.73
5	QPSK	12	7	19.64	19.86	19.69
5	QPSK	12	13	19.69	19.69	19.56
5	QPSK	25	0	19.41	19.67	19.56
5	16QAM	1	0	19.61	19.59	19.68
5	16QAM	1	12	19.57	19.56	19.61
5	16QAM	1	24	19.57	19.52	19.75
5	16QAM	12	0	18.75	18.81	18.66
5	16QAM	12	7	18.76	18.82	18.83
5	16QAM	12	13	18.70	18.53	18.78
5	16QAM	25	0	18.84	18.88	18.73
5	64QAM	1	0	19.68	19.75	19.93
5	64QAM	1	12	19.73	19.68	19.63
5	64QAM	1	24	19.85	19.64	19.60
5	64QAM	12	0	18.68	18.68	18.79
5	64QAM	12	7	18.78	18.70	18.77
5	64QAM	12	13	18.65	18.62	18.63
5	64QAM	25	0	18.69	18.64	18.85



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	20.71	20.75	20.70
3	QPSK	1	8	20.65	20.66	20.62
3	QPSK	1	14	20.69	20.56	20.61
3	QPSK	8	0	19.66	19.78	19.88
3	QPSK	8	4	19.74	19.89	19.64
3	QPSK	8	7	19.64	19.63	19.64
3	QPSK	15	0	19.40	19.66	19.65
3	16QAM	1	0	19.72	19.80	19.73
3	16QAM	1	8	19.67	19.65	19.57
3	16QAM	1	14	19.73	19.47	19.47
3	16QAM	8	0	18.85	18.83	18.67
3	16QAM	8	4	18.72	18.67	18.85
3	16QAM	8	7	18.63	18.58	18.82
3	16QAM	15	0	18.76	18.98	18.71
3	64QAM	1	0	19.85	19.78	19.75
3	64QAM	1	8	19.59	19.56	19.59
3	64QAM	1	14	19.92	19.62	19.76
3	64QAM	8	0	18.79	18.69	18.72
3	64QAM	8	4	18.67	18.78	18.79
3	64QAM	8	7	18.61	18.58	18.61
3	64QAM	15	0	18.60	18.70	18.82



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	20.74	20.77	20.76
1.4	QPSK	1	3	20.67	20.54	20.54
1.4	QPSK	1	5	20.65	20.74	20.74
1.4	QPSK	3	0	19.86	19.75	19.64
1.4	QPSK	3	1	19.81	19.65	19.56
1.4	QPSK	3	3	19.63	19.67	19.57
1.4	QPSK	6	0	19.66	19.83	19.62
1.4	16QAM	1	0	19.86	19.72	19.67
1.4	16QAM	1	3	19.68	19.60	19.54
1.4	16QAM	1	5	19.57	19.56	19.50
1.4	16QAM	3	0	18.60	18.87	18.70
1.4	16QAM	3	1	18.86	18.84	18.56
1.4	16QAM	3	3	18.62	18.61	18.79
1.4	16QAM	6	0	18.88	18.76	18.66
1.4	64QAM	1	0	19.82	19.65	19.97
1.4	64QAM	1	3	19.62	19.73	19.73
1.4	64QAM	1	5	19.64	19.61	19.69
1.4	64QAM	3	0	18.63	18.64	18.74
1.4	64QAM	3	1	18.75	18.69	18.63
1.4	64QAM	3	3	18.65	18.56	18.59
1.4	64QAM	6	0	18.45	18.65	18.66



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	22.05	22.13	22.02
20	QPSK	1	49	22.08	21.99	22.05
20	QPSK	1	99	21.96	21.95	22.03
20	QPSK	50	0	20.92	21.16	21.02
20	QPSK	50	24	20.87	21.12	20.83
20	QPSK	50	50	20.87	20.90	20.86
20	QPSK	100	0	20.93	21.09	20.97
20	16QAM	1	0	21.00	21.04	21.09
20	16QAM	1	49	20.80	20.89	20.86
20	16QAM	1	99	20.94	20.80	20.81
20	16QAM	50	0	20.15	20.12	20.09
20	16QAM	50	24	20.20	20.03	19.96
20	16QAM	50	50	19.92	20.09	20.06
20	16QAM	100	0	20.21	20.35	20.18
20	64QAM	1	0	21.05	20.92	21.03
20	64QAM	1	49	20.78	21.10	21.07
20	64QAM	1	99	20.94	21.02	20.96
20	64QAM	50	0	19.94	20.02	20.08
20	64QAM	50	24	20.01	20.12	19.82
20	64QAM	50	50	19.83	19.78	19.77
20	64QAM	100	0	19.92	19.74	20.04



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133197	133297	133397
Frequency (MHz)				670.5	680.5	690.5
15	QPSK	1	0	22.08	22.10	22.05
15	QPSK	1	37	21.95	21.90	22.04
15	QPSK	1	74	21.91	22.02	21.95
15	QPSK	36	0	21.04	21.20	21.22
15	QPSK	36	20	21.06	21.16	21.04
15	QPSK	36	39	21.02	21.13	21.08
15	QPSK	75	0	20.74	20.88	20.62
15	16QAM	1	0	21.06	21.08	21.01
15	16QAM	1	37	20.93	21.01	20.94
15	16QAM	1	74	20.95	21.02	20.96
15	16QAM	36	0	19.99	20.18	20.10
15	16QAM	36	20	19.97	20.03	20.06
15	16QAM	36	39	19.88	19.83	19.97
15	16QAM	75	0	20.19	20.36	20.10
15	64QAM	1	0	20.98	21.14	21.22
15	64QAM	1	37	20.97	21.00	20.97
15	64QAM	1	74	20.97	20.93	21.04
15	64QAM	36	0	20.04	20.03	19.89
15	64QAM	36	20	19.87	20.17	19.89
15	64QAM	36	39	19.97	20.02	19.97
15	64QAM	75	0	19.91	19.92	19.97



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	22.04	22.09	22.00
10	QPSK	1	25	22.04	22.06	22.02
10	QPSK	1	49	21.85	22.00	22.00
10	QPSK	25	0	21.00	21.18	21.13
10	QPSK	25	12	21.07	20.95	21.05
10	QPSK	25	25	20.81	20.94	20.91
10	QPSK	50	0	20.94	20.96	20.99
10	16QAM	1	0	21.06	21.10	21.12
10	16QAM	1	25	20.95	20.92	20.83
10	16QAM	1	49	20.79	20.82	20.97
10	16QAM	25	0	20.13	20.26	20.11
10	16QAM	25	12	20.03	20.04	20.02
10	16QAM	25	25	19.94	19.92	20.17
10	16QAM	50	0	20.10	20.16	19.99
10	64QAM	1	0	21.01	21.08	21.14
10	64QAM	1	25	20.96	21.07	20.94
10	64QAM	1	49	21.23	20.95	21.14
10	64QAM	25	0	19.96	20.03	20.03
10	64QAM	25	12	20.10	20.13	20.10
10	64QAM	25	25	19.84	19.90	19.93
10	64QAM	50	0	19.86	20.00	19.88



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5
5	QPSK	1	0	21.95	22.08	22.06
5	QPSK	1	12	22.06	21.90	22.00
5	QPSK	1	24	22.01	22.05	22.03
5	QPSK	12	0	21.01	21.05	21.09
5	QPSK	12	7	21.02	21.12	20.91
5	QPSK	12	13	20.92	20.87	20.97
5	QPSK	25	0	20.74	20.86	20.60
5	16QAM	1	0	21.04	20.99	21.07
5	16QAM	1	12	20.84	20.98	21.11
5	16QAM	1	24	20.89	20.87	20.92
5	16QAM	12	0	20.12	20.27	19.92
5	16QAM	12	7	20.00	19.99	20.08
5	16QAM	12	13	19.94	20.10	20.10
5	16QAM	25	0	20.23	20.29	20.12
5	64QAM	1	0	21.10	21.04	21.17
5	64QAM	1	12	21.05	21.06	20.92
5	64QAM	1	24	21.12	20.84	20.89
5	64QAM	12	0	20.13	20.03	19.94
5	64QAM	12	7	19.87	19.95	19.82
5	64QAM	12	13	20.01	19.98	20.01
5	64QAM	25	0	19.92	19.84	19.95



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

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	25.46	0.352	25.54	0.358	25.44	0.350
20	QPSK	1	49	25.39	0.346	25.47	0.352	25.38	0.345
20	QPSK	1	99	25.43	0.349	25.44	0.350	25.41	0.348
20	QPSK	50	0	24.62	0.290	24.77	0.300	24.68	0.294
20	QPSK	50	24	24.51	0.282	24.65	0.292	24.60	0.288
20	QPSK	50	50	24.44	0.278	24.49	0.281	24.41	0.276
20	QPSK	100	0	24.48	0.281	24.53	0.284	24.46	0.279
20	16QAM	1	0	24.56	0.286	24.61	0.289	24.57	0.286
20	16QAM	1	49	24.42	0.277	24.44	0.278	24.49	0.281
20	16QAM	1	99	24.51	0.282	24.50	0.282	24.46	0.279
20	16QAM	50	0	23.76	0.238	23.80	0.240	23.74	0.237
20	16QAM	50	24	23.71	0.235	23.69	0.234	23.65	0.232
20	16QAM	50	50	23.62	0.230	23.66	0.232	23.69	0.234
20	16QAM	100	0	23.70	0.234	23.75	0.237	23.67	0.233
20	64QAM	1	0	24.60	0.288	24.72	0.296	24.64	0.291
20	64QAM	1	49	24.52	0.283	24.58	0.287	24.59	0.288
20	64QAM	1	99	24.63	0.290	24.66	0.292	24.61	0.289
20	64QAM	50	0	23.65	0.232	23.71	0.235	23.62	0.230
20	64QAM	50	24	23.58	0.228	23.66	0.232	23.57	0.228
20	64QAM	50	50	23.54	0.226	23.62	0.230	23.53	0.225
20	64QAM	100	0	23.60	0.229	23.65	0.232	23.61	0.230





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	25.48	0.353	25.52	0.356	25.47	0.352
15	QPSK	1	37	25.47	0.352	25.46	0.352	25.29	0.338
15	QPSK	1	74	25.42	0.348	25.43	0.349	25.37	0.344
15	QPSK	36	0	24.71	0.296	24.62	0.290	24.66	0.292
15	QPSK	36	20	24.52	0.283	24.54	0.284	24.71	0.296
15	QPSK	36	39	24.40	0.275	24.37	0.274	24.41	0.276
15	QPSK	75	0	24.58	0.287	24.61	0.289	24.48	0.281
15	16QAM	1	0	24.53	0.284	24.74	0.298	24.58	0.287
15	16QAM	1	37	24.40	0.275	24.45	0.279	24.61	0.289
15	16QAM	1	74	24.66	0.292	24.61	0.289	24.48	0.281
15	16QAM	36	0	23.82	0.241	23.72	0.236	23.76	0.238
15	16QAM	36	20	23.80	0.240	23.58	0.228	23.66	0.232
15	16QAM	36	39	23.51	0.224	23.78	0.239	23.83	0.242
15	16QAM	75	0	23.68	0.233	23.61	0.230	23.57	0.228
15	64QAM	1	0	24.47	0.280	24.63	0.290	24.73	0.297
15	64QAM	1	37	24.63	0.290	24.62	0.290	24.74	0.298
15	64QAM	1	74	24.53	0.284	24.63	0.290	24.70	0.295
15	64QAM	36	0	23.55	0.226	23.68	0.233	23.76	0.238
15	64QAM	36	20	23.53	0.225	23.60	0.229	23.53	0.225
15	64QAM	36	39	23.42	0.220	23.53	0.225	23.49	0.223
15	64QAM	75	0	23.47	0.222	23.66	0.232	23.55	0.226



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	25.42	0.348	25.50	0.355	25.39	0.346
10	QPSK	1	25	25.47	0.352	25.42	0.348	25.35	0.343
10	QPSK	1	49	25.34	0.342	25.31	0.340	25.35	0.343
10	QPSK	25	0	24.71	0.296	24.82	0.303	24.63	0.290
10	QPSK	25	12	24.51	0.282	24.56	0.286	24.59	0.288
10	QPSK	25	25	24.50	0.282	24.49	0.281	24.47	0.280
10	QPSK	50	0	24.52	0.283	24.39	0.275	24.60	0.288
10	16QAM	1	0	24.48	0.281	24.61	0.289	24.62	0.290
10	16QAM	1	25	24.33	0.271	24.50	0.282	24.50	0.282
10	16QAM	1	49	24.44	0.278	24.43	0.277	24.33	0.271
10	16QAM	25	0	23.70	0.234	23.80	0.240	23.88	0.244
10	16QAM	25	12	23.81	0.240	23.55	0.226	23.73	0.236
10	16QAM	25	25	23.50	0.224	23.70	0.234	23.76	0.238
10	16QAM	50	0	23.55	0.226	23.59	0.229	23.65	0.232
10	64QAM	1	0	24.54	0.284	24.71	0.296	24.68	0.294
10	64QAM	1	25	24.62	0.290	24.57	0.286	24.73	0.297
10	64QAM	1	49	24.67	0.293	24.75	0.299	24.61	0.289
10	64QAM	25	0	23.76	0.238	23.73	0.236	23.68	0.233
10	64QAM	25	12	23.64	0.231	23.59	0.229	23.61	0.230
10	64QAM	25	25	23.48	0.223	23.65	0.232	23.48	0.223
10	64QAM	50	0	23.50	0.224	23.54	0.226	23.62	0.230



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	25.48	0.353	25.49	0.354	25.45	0.351
5	QPSK	1	12	25.38	0.345	25.34	0.342	25.44	0.350
5	QPSK	1	24	25.43	0.349	25.46	0.352	25.34	0.342
5	QPSK	12	0	24.59	0.288	24.76	0.299	24.61	0.289
5	QPSK	12	7	24.51	0.282	24.74	0.298	24.73	0.297
5	QPSK	12	13	24.43	0.277	24.48	0.281	24.42	0.277
5	QPSK	25	0	24.55	0.285	24.58	0.287	24.47	0.280
5	16QAM	1	0	24.58	0.287	24.51	0.282	24.66	0.292
5	16QAM	1	12	24.30	0.269	24.35	0.272	24.45	0.279
5	16QAM	1	24	24.65	0.292	24.63	0.290	24.50	0.282
5	16QAM	12	0	23.90	0.245	23.83	0.242	23.80	0.240
5	16QAM	12	7	23.75	0.237	23.75	0.237	23.70	0.234
5	16QAM	12	13	23.73	0.236	23.78	0.239	23.81	0.240
5	16QAM	25	0	23.76	0.238	23.69	0.234	23.58	0.228
5	64QAM	1	0	24.69	0.294	24.70	0.295	24.66	0.292
5	64QAM	1	12	24.41	0.276	24.63	0.290	24.47	0.280
5	64QAM	1	24	24.51	0.282	24.78	0.301	24.76	0.299
5	64QAM	12	0	23.70	0.234	23.77	0.238	23.60	0.229
5	64QAM	12	7	23.54	0.226	23.65	0.232	23.66	0.232
5	64QAM	12	13	23.58	0.228	23.50	0.224	23.40	0.219
5	64QAM	25	0	23.48	0.223	23.51	0.224	23.60	0.229



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	25.35	0.343	25.51	0.356	25.48	0.353
3	QPSK	1	8	25.44	0.350	25.46	0.352	25.42	0.348
3	QPSK	1	14	25.32	0.340	25.45	0.351	25.42	0.348
3	QPSK	8	0	24.71	0.296	24.77	0.300	24.59	0.288
3	QPSK	8	4	24.44	0.278	24.76	0.299	24.61	0.289
3	QPSK	8	7	24.50	0.282	24.40	0.275	24.51	0.282
3	QPSK	15	0	24.39	0.275	24.54	0.284	24.56	0.286
3	16QAM	1	0	24.62	0.290	24.75	0.299	24.51	0.282
3	16QAM	1	8	24.56	0.286	24.53	0.284	24.58	0.287
3	16QAM	1	14	24.41	0.276	24.49	0.281	24.37	0.274
3	16QAM	8	0	23.76	0.238	23.86	0.243	23.81	0.240
3	16QAM	8	4	23.81	0.240	23.72	0.236	23.54	0.226
3	16QAM	8	7	23.76	0.238	23.54	0.226	23.82	0.241
3	16QAM	15	0	23.82	0.241	23.71	0.235	23.65	0.232
3	64QAM	1	0	24.52	0.283	24.63	0.290	24.58	0.287
3	64QAM	1	8	24.60	0.288	24.46	0.279	24.67	0.293
3	64QAM	1	14	24.58	0.287	24.69	0.294	24.74	0.298
3	64QAM	8	0	23.67	0.233	23.68	0.233	23.74	0.237
3	64QAM	8	4	23.45	0.221	23.64	0.231	23.70	0.234
3	64QAM	8	7	23.53	0.225	23.76	0.238	23.64	0.231
3	64QAM	15	0	23.72	0.236	23.63	0.231	23.69	0.234



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	25.45	0.351	25.50	0.355	25.42	0.348
1.4	QPSK	1	3	25.43	0.349	25.42	0.348	25.41	0.348
1.4	QPSK	1	5	25.40	0.347	25.30	0.339	25.33	0.341
1.4	QPSK	3	0	24.58	0.287	24.75	0.299	24.53	0.284
1.4	QPSK	3	1	24.44	0.278	24.78	0.301	24.66	0.292
1.4	QPSK	3	3	24.42	0.277	24.60	0.288	24.42	0.277
1.4	QPSK	6	0	24.61	0.289	24.59	0.288	24.52	0.283
1.4	16QAM	1	0	24.58	0.287	24.54	0.284	24.56	0.286
1.4	16QAM	1	3	24.57	0.286	24.45	0.279	24.47	0.280
1.4	16QAM	1	5	24.53	0.284	24.41	0.276	24.34	0.272
1.4	16QAM	3	0	23.71	0.235	23.85	0.243	23.62	0.230
1.4	16QAM	3	1	23.86	0.243	23.76	0.238	23.69	0.234
1.4	16QAM	3	3	23.49	0.223	23.65	0.232	23.56	0.227
1.4	16QAM	6	0	23.69	0.234	23.68	0.233	23.68	0.233
1.4	64QAM	1	0	24.69	0.294	24.62	0.290	24.63	0.290
1.4	64QAM	1	3	24.48	0.281	24.58	0.287	24.47	0.280
1.4	64QAM	1	5	24.64	0.291	24.53	0.284	24.50	0.282
1.4	64QAM	3	0	23.73	0.236	23.72	0.236	23.62	0.230
1.4	64QAM	3	1	23.45	0.221	23.74	0.237	23.43	0.220
1.4	64QAM	3	3	23.61	0.230	23.69	0.234	23.64	0.231
1.4	64QAM	6	0	23.74	0.237	23.78	0.239	23.55	0.226



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.41	0.219	23.46	0.222	23.36	0.217
20	QPSK	1	49	23.31	0.214	23.43	0.220	23.32	0.215
20	QPSK	1	99	23.44	0.221	23.38	0.218	23.34	0.216
20	QPSK	50	0	22.55	0.180	22.60	0.182	22.49	0.177
20	QPSK	50	24	22.43	0.175	22.54	0.179	22.45	0.176
20	QPSK	50	50	22.42	0.175	22.29	0.169	22.26	0.168
20	QPSK	100	0	22.33	0.171	22.52	0.179	22.44	0.175
20	16QAM	1	0	22.48	0.177	22.66	0.185	22.37	0.173
20	16QAM	1	49	22.34	0.171	22.32	0.171	22.43	0.175
20	16QAM	1	99	22.48	0.177	22.51	0.178	22.38	0.173
20	16QAM	50	0	21.68	0.147	21.67	0.147	21.68	0.147
20	16QAM	50	24	21.60	0.145	21.46	0.140	21.61	0.145
20	16QAM	50	50	21.42	0.139	21.72	0.149	21.57	0.144
20	16QAM	100	0	21.54	0.143	21.65	0.146	21.49	0.141
20	64QAM	1	0	22.46	0.176	22.53	0.179	22.59	0.182
20	64QAM	1	49	22.33	0.171	22.44	0.175	22.56	0.180
20	64QAM	1	99	22.42	0.175	22.46	0.176	22.57	0.181
20	64QAM	50	0	21.65	0.146	21.59	0.144	21.48	0.141
20	64QAM	50	24	21.48	0.141	21.64	0.146	21.60	0.145
20	64QAM	50	50	21.42	0.139	21.65	0.146	21.58	0.144
20	64QAM	100	0	21.63	0.146	21.60	0.145	21.58	0.144



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.40	0.219	23.43	0.220	23.38	0.218
15	QPSK	1	37	23.28	0.213	23.37	0.217	23.42	0.220
15	QPSK	1	74	23.38	0.218	23.42	0.220	23.32	0.215
15	QPSK	36	0	22.53	0.179	22.59	0.182	22.50	0.178
15	QPSK	36	20	22.35	0.172	22.55	0.180	22.59	0.182
15	QPSK	36	39	22.29	0.169	22.33	0.171	22.31	0.170
15	QPSK	75	0	22.36	0.172	22.55	0.180	22.38	0.173
15	16QAM	1	0	22.37	0.173	22.56	0.180	22.51	0.178
15	16QAM	1	37	22.40	0.174	22.36	0.172	22.46	0.176
15	16QAM	1	74	22.54	0.179	22.49	0.177	22.32	0.171
15	16QAM	36	0	21.57	0.144	21.49	0.141	21.55	0.143
15	16QAM	36	20	21.49	0.141	21.64	0.146	21.60	0.145
15	16QAM	36	39	21.64	0.146	21.55	0.143	21.69	0.148
15	16QAM	75	0	21.68	0.147	21.58	0.144	21.56	0.143
15	64QAM	1	0	22.48	0.177	22.68	0.185	22.68	0.185
15	64QAM	1	37	22.43	0.175	22.54	0.179	22.43	0.175
15	64QAM	1	74	22.68	0.185	22.62	0.183	22.45	0.176
15	64QAM	36	0	21.59	0.144	21.67	0.147	21.68	0.147
15	64QAM	36	20	21.51	0.142	21.70	0.148	21.39	0.138
15	64QAM	36	39	21.48	0.141	21.68	0.147	21.62	0.145
15	64QAM	75	0	21.43	0.139	21.47	0.140	21.56	0.143



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.25	0.211	23.41	0.219	23.30	0.214
10	QPSK	1	25	23.39	0.218	23.34	0.216	23.31	0.214
10	QPSK	1	49	23.35	0.216	23.39	0.218	23.36	0.217
10	QPSK	25	0	22.53	0.179	22.57	0.181	22.55	0.180
10	QPSK	25	12	22.30	0.170	22.45	0.176	22.45	0.176
10	QPSK	25	25	22.43	0.175	22.53	0.179	22.47	0.177
10	QPSK	50	0	22.38	0.173	22.34	0.171	22.33	0.171
10	16QAM	1	0	22.65	0.184	22.53	0.179	22.63	0.183
10	16QAM	1	25	22.33	0.171	22.42	0.175	22.53	0.179
10	16QAM	1	49	22.53	0.179	22.37	0.173	22.52	0.179
10	16QAM	25	0	21.67	0.147	21.54	0.143	21.62	0.145
10	16QAM	25	12	21.56	0.143	21.65	0.146	21.49	0.141
10	16QAM	25	25	21.59	0.144	21.54	0.143	21.52	0.142
10	16QAM	50	0	21.65	0.146	21.61	0.145	21.55	0.143
10	64QAM	1	0	22.46	0.176	22.57	0.181	22.65	0.184
10	64QAM	1	25	22.31	0.170	22.55	0.180	22.67	0.185
10	64QAM	1	49	22.46	0.176	22.54	0.179	22.62	0.183
10	64QAM	25	0	21.51	0.142	21.57	0.144	21.67	0.147
10	64QAM	25	12	21.54	0.143	21.55	0.143	21.63	0.146
10	64QAM	25	25	21.49	0.141	21.63	0.146	21.32	0.136
10	64QAM	50	0	21.63	0.146	21.63	0.146	21.51	0.142





LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.42	0.220	23.43	0.220	23.41	0.219
5	QPSK	1	12	23.29	0.213	23.34	0.216	23.36	0.217
5	QPSK	1	24	23.25	0.211	23.33	0.215	23.30	0.214
5	QPSK	12	0	22.48	0.177	22.67	0.185	22.61	0.182
5	QPSK	12	7	22.57	0.181	22.63	0.183	22.40	0.174
5	QPSK	12	13	22.39	0.173	22.57	0.181	22.48	0.177
5	QPSK	25	0	22.40	0.174	22.57	0.181	22.38	0.173
5	16QAM	1	0	22.56	0.180	22.67	0.185	22.51	0.178
5	16QAM	1	12	22.45	0.176	22.38	0.173	22.41	0.174
5	16QAM	1	24	22.54	0.179	22.57	0.181	22.26	0.168
5	16QAM	12	0	21.55	0.143	21.66	0.147	21.65	0.146
5	16QAM	12	7	21.60	0.145	21.49	0.141	21.55	0.143
5	16QAM	12	13	21.52	0.142	21.59	0.144	21.54	0.143
5	16QAM	25	0	21.55	0.143	21.63	0.146	21.68	0.147
5	64QAM	1	0	22.64	0.184	22.69	0.186	22.49	0.177
5	64QAM	1	12	22.49	0.177	22.47	0.177	22.45	0.176
5	64QAM	1	24	22.69	0.186	22.72	0.187	22.56	0.180
5	64QAM	12	0	21.63	0.146	21.62	0.145	21.44	0.139
5	64QAM	12	7	21.45	0.140	21.63	0.146	21.36	0.137
5	64QAM	12	13	21.51	0.142	21.64	0.146	21.58	0.144
5	64QAM	25	0	21.47	0.140	21.56	0.143	21.57	0.144



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	23.30	0.214	23.40	0.219	23.39	0.218
3	QPSK	1	8	23.33	0.215	23.36	0.217	23.35	0.216
3	QPSK	1	14	23.32	0.215	23.33	0.215	23.30	0.214
3	QPSK	8	0	22.52	0.179	22.54	0.179	22.49	0.177
3	QPSK	8	4	22.47	0.177	22.51	0.178	22.53	0.179
3	QPSK	8	7	22.33	0.171	22.31	0.170	22.50	0.178
3	QPSK	15	0	22.49	0.177	22.43	0.175	22.42	0.175
3	16QAM	1	0	22.57	0.181	22.47	0.177	22.47	0.177
3	16QAM	1	8	22.35	0.172	22.36	0.172	22.40	0.174
3	16QAM	1	14	22.36	0.172	22.50	0.178	22.37	0.173
3	16QAM	8	0	21.60	0.145	21.67	0.147	21.61	0.145
3	16QAM	8	4	21.61	0.145	21.64	0.146	21.53	0.142
3	16QAM	8	7	21.66	0.147	21.57	0.144	21.50	0.141
3	16QAM	15	0	21.59	0.144	21.63	0.146	21.60	0.145
3	64QAM	1	0	22.53	0.179	22.71	0.187	22.45	0.176
3	64QAM	1	8	22.59	0.182	22.46	0.176	22.62	0.183
3	64QAM	1	14	22.67	0.185	22.62	0.183	22.58	0.181
3	64QAM	8	0	21.63	0.146	21.68	0.147	21.50	0.141
3	64QAM	8	4	21.49	0.141	21.51	0.142	21.61	0.145
3	64QAM	8	7	21.44	0.139	21.63	0.146	21.34	0.136
3	64QAM	15	0	21.56	0.143	21.67	0.147	21.53	0.142



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.34	0.216	23.44	0.221	23.42	0.220
1.4	QPSK	1	3	23.36	0.217	23.33	0.215	23.33	0.215
1.4	QPSK	1	5	23.30	0.214	23.31	0.214	23.27	0.212
1.4	QPSK	3	0	22.51	0.178	22.59	0.182	22.53	0.179
1.4	QPSK	3	1	22.50	0.178	22.55	0.180	22.48	0.177
1.4	QPSK	3	3	22.25	0.168	22.29	0.169	22.30	0.170
1.4	QPSK	6	0	22.44	0.175	22.46	0.176	22.54	0.179
1.4	16QAM	1	0	22.42	0.175	22.47	0.177	22.52	0.179
1.4	16QAM	1	3	22.37	0.173	22.33	0.171	22.30	0.170
1.4	16QAM	1	5	22.45	0.176	22.47	0.177	22.35	0.172
1.4	16QAM	3	0	21.68	0.147	21.57	0.144	21.60	0.145
1.4	16QAM	3	1	21.60	0.145	21.72	0.149	21.71	0.148
1.4	16QAM	3	3	21.53	0.142	21.69	0.148	21.49	0.141
1.4	16QAM	6	0	21.70	0.148	21.52	0.142	21.67	0.147
1.4	64QAM	1	0	22.57	0.181	22.51	0.178	22.52	0.179
1.4	64QAM	1	3	22.32	0.171	22.49	0.177	22.46	0.176
1.4	64QAM	1	5	22.67	0.185	22.46	0.176	22.66	0.185
1.4	64QAM	3	0	21.63	0.146	21.59	0.144	21.50	0.141
1.4	64QAM	3	1	21.54	0.143	21.45	0.140	21.45	0.140
1.4	64QAM	3	3	21.48	0.141	21.60	0.145	21.58	0.144
1.4	64QAM	6	0	21.47	0.140	21.67	0.147	21.61	0.145



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.94	0.124	21.10	0.129	21.09	0.129
10	QPSK	1	25	21.07	0.128	20.90	0.123	21.02	0.126
10	QPSK	1	49	20.85	0.122	20.99	0.126	20.99	0.126
10	QPSK	25	0	20.00	0.100	20.19	0.104	20.08	0.102
10	QPSK	25	12	19.95	0.099	20.06	0.101	19.90	0.098
10	QPSK	25	25	19.82	0.096	19.97	0.099	19.79	0.095
10	QPSK	50	0	19.81	0.096	19.98	0.100	19.72	0.094
10	16QAM	1	0	20.01	0.100	19.99	0.100	20.03	0.101
10	16QAM	1	25	19.82	0.096	19.76	0.095	19.97	0.099
10	16QAM	1	49	19.88	0.097	19.71	0.094	19.91	0.098
10	16QAM	25	0	19.01	0.080	19.22	0.084	18.94	0.078
10	16QAM	25	12	19.04	0.080	19.09	0.081	19.00	0.079
10	16QAM	25	25	18.89	0.077	18.95	0.079	19.05	0.080
10	16QAM	50	0	19.20	0.083	19.20	0.083	19.07	0.081
10	64QAM	1	0	19.99	0.100	19.98	0.100	20.14	0.103
10	64QAM	1	25	19.88	0.097	19.99	0.100	19.91	0.098
10	64QAM	1	49	20.08	0.102	19.86	0.097	19.99	0.100
10	64QAM	25	0	19.07	0.081	18.96	0.079	18.96	0.079
10	64QAM	25	12	18.97	0.079	19.07	0.081	18.94	0.078
10	64QAM	25	25	18.86	0.077	18.89	0.077	18.75	0.075
10	64QAM	50	0	18.85	0.077	18.87	0.077	18.99	0.079



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.04	0.127	21.07	0.128	21.02	0.126
5	QPSK	1	12	20.98	0.125	21.03	0.127	21.05	0.127
5	QPSK	1	24	20.72	0.118	20.92	0.124	20.92	0.124
5	QPSK	12	0	20.07	0.102	20.21	0.105	19.93	0.098
5	QPSK	12	7	19.80	0.095	20.08	0.102	19.88	0.097
5	QPSK	12	13	19.80	0.095	19.82	0.096	19.77	0.095
5	QPSK	25	0	19.92	0.098	20.04	0.101	19.84	0.096
5	16QAM	1	0	20.05	0.101	20.12	0.103	20.00	0.100
5	16QAM	1	12	19.79	0.095	19.75	0.094	19.91	0.098
5	16QAM	1	24	19.96	0.099	20.00	0.100	20.05	0.101
5	16QAM	12	0	19.06	0.081	19.13	0.082	18.99	0.079
5	16QAM	12	7	19.14	0.082	18.94	0.078	19.08	0.081
5	16QAM	12	13	18.90	0.078	18.96	0.079	18.92	0.078
5	16QAM	25	0	19.09	0.081	19.23	0.084	19.13	0.082
5	64QAM	1	0	19.96	0.099	20.05	0.101	19.99	0.100
5	64QAM	1	12	19.89	0.097	20.04	0.101	19.77	0.095
5	64QAM	1	24	20.08	0.102	19.84	0.096	20.00	0.100
5	64QAM	12	0	19.18	0.083	18.98	0.079	19.03	0.080
5	64QAM	12	7	18.89	0.077	19.08	0.081	18.82	0.076
5	64QAM	12	13	18.86	0.077	18.93	0.078	18.90	0.078
5	64QAM	25	0	18.76	0.075	18.87	0.077	18.86	0.077



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.98	0.125	21.08	0.128	20.99	0.126
3	QPSK	1	8	20.95	0.124	20.91	0.123	20.93	0.124
3	QPSK	1	14	20.79	0.120	20.98	0.125	20.90	0.123
3	QPSK	8	0	20.06	0.101	20.17	0.104	20.09	0.102
3	QPSK	8	4	20.01	0.100	20.08	0.102	19.93	0.098
3	QPSK	8	7	19.82	0.096	19.87	0.097	19.89	0.097
3	QPSK	15	0	19.90	0.098	19.88	0.097	19.87	0.097
3	16QAM	1	0	19.86	0.097	19.94	0.099	19.99	0.100
3	16QAM	1	8	19.85	0.097	19.91	0.098	20.06	0.101
3	16QAM	1	14	20.03	0.101	19.74	0.094	19.83	0.096
3	16QAM	8	0	19.12	0.082	19.14	0.082	18.99	0.079
3	16QAM	8	4	18.91	0.078	19.11	0.081	19.03	0.080
3	16QAM	8	7	18.85	0.077	18.93	0.078	19.14	0.082
3	16QAM	15	0	19.17	0.083	19.19	0.083	19.07	0.081
3	64QAM	1	0	20.06	0.101	20.13	0.103	19.99	0.100
3	64QAM	1	8	20.01	0.100	19.92	0.098	19.92	0.098
3	64QAM	1	14	20.10	0.102	19.86	0.097	19.89	0.097
3	64QAM	8	0	19.02	0.080	18.96	0.079	18.89	0.077
3	64QAM	8	4	18.83	0.076	19.19	0.083	18.87	0.077
3	64QAM	8	7	18.86	0.077	18.89	0.077	18.88	0.077
3	64QAM	15	0	18.87	0.077	19.01	0.080	18.87	0.077



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.00	0.126	21.04	0.127	20.96	0.125
1.4	QPSK	1	3	20.91	0.123	20.95	0.124	20.90	0.123
1.4	QPSK	1	5	20.85	0.122	20.86	0.122	20.98	0.125
1.4	QPSK	3	0	19.86	0.097	20.13	0.103	20.15	0.104
1.4	QPSK	3	1	20.05	0.101	20.03	0.101	19.98	0.100
1.4	QPSK	3	3	19.88	0.097	19.86	0.097	19.92	0.098
1.4	QPSK	6	0	19.81	0.096	19.89	0.097	19.63	0.092
1.4	16QAM	1	0	20.01	0.100	19.84	0.096	20.00	0.100
1.4	16QAM	1	3	19.73	0.094	19.87	0.097	19.84	0.096
1.4	16QAM	1	5	19.99	0.100	19.82	0.096	19.99	0.100
1.4	16QAM	3	0	18.99	0.079	19.07	0.081	19.03	0.080
1.4	16QAM	3	1	19.00	0.079	19.04	0.080	19.15	0.082
1.4	16QAM	3	3	19.00	0.079	18.88	0.077	19.13	0.082
1.4	16QAM	6	0	19.31	0.085	19.14	0.082	19.12	0.082
1.4	64QAM	1	0	20.04	0.101	19.91	0.098	20.06	0.101
1.4	64QAM	1	3	19.93	0.098	19.88	0.097	19.96	0.099
1.4	64QAM	1	5	20.17	0.104	19.88	0.097	20.05	0.101
1.4	64QAM	3	0	19.14	0.082	18.94	0.078	18.87	0.077
1.4	64QAM	3	1	18.89	0.077	19.14	0.082	18.86	0.077
1.4	64QAM	3	3	18.88	0.077	19.01	0.080	18.90	0.078
1.4	64QAM	6	0	18.97	0.079	18.90	0.078	19.07	0.081



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	21.86	0.153	21.91	0.155	21.81	0.152
20	QPSK	1	49	21.64	0.146	21.73	0.149	21.69	0.148
20	QPSK	1	99	21.86	0.153	21.79	0.151	21.78	0.151
20	QPSK	50	0	20.95	0.124	20.99	0.126	20.91	0.123
20	QPSK	50	24	20.84	0.121	20.87	0.122	20.96	0.125
20	QPSK	50	50	20.85	0.122	20.83	0.121	20.88	0.122
20	QPSK	100	0	21.03	0.127	20.86	0.122	20.86	0.122
20	16QAM	1	0	21.04	0.127	21.12	0.129	21.11	0.129
20	16QAM	1	49	20.73	0.118	20.84	0.121	21.02	0.126
20	16QAM	1	99	20.86	0.122	21.04	0.127	20.95	0.124
20	16QAM	50	0	20.21	0.105	20.10	0.102	20.11	0.103
20	16QAM	50	24	20.15	0.104	20.03	0.101	20.20	0.105
20	16QAM	50	50	20.09	0.102	20.12	0.103	19.96	0.099
20	16QAM	100	0	20.19	0.104	20.04	0.101	20.19	0.104
20	64QAM	1	0	20.91	0.123	21.15	0.130	21.12	0.129
20	64QAM	1	49	20.91	0.123	20.94	0.124	21.04	0.127
20	64QAM	1	99	21.05	0.127	21.05	0.127	20.87	0.122
20	64QAM	50	0	20.16	0.104	20.14	0.103	19.87	0.097
20	64QAM	50	24	20.02	0.100	20.19	0.104	19.82	0.096
20	64QAM	50	50	19.81	0.096	20.02	0.100	19.83	0.096
20	64QAM	100	0	20.08	0.102	20.15	0.104	20.08	0.102





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	21.82	0.152	21.89	0.155	21.79	0.151
15	QPSK	1	37	21.72	0.149	21.77	0.150	21.65	0.146
15	QPSK	1	74	21.82	0.152	21.81	0.152	21.81	0.152
15	QPSK	36	0	21.01	0.126	21.11	0.129	21.03	0.127
15	QPSK	36	20	21.04	0.127	20.99	0.126	21.02	0.126
15	QPSK	36	39	20.80	0.120	20.77	0.119	20.77	0.119
15	QPSK	75	0	20.79	0.120	20.82	0.121	20.78	0.120
15	16QAM	1	0	21.07	0.128	21.04	0.127	20.99	0.126
15	16QAM	1	37	20.69	0.117	20.92	0.124	20.85	0.122
15	16QAM	1	74	20.78	0.120	20.82	0.121	20.89	0.123
15	16QAM	36	0	20.23	0.105	20.17	0.104	20.25	0.106
15	16QAM	36	20	20.11	0.103	19.96	0.099	20.16	0.104
15	16QAM	36	39	19.89	0.097	20.00	0.100	19.97	0.099
15	16QAM	75	0	20.12	0.103	20.05	0.101	20.00	0.100
15	64QAM	1	0	21.06	0.128	20.98	0.125	21.13	0.130
15	64QAM	1	37	20.78	0.120	21.04	0.127	21.07	0.128
15	64QAM	1	74	20.88	0.122	20.94	0.124	20.91	0.123
15	64QAM	36	0	20.05	0.101	20.13	0.103	19.89	0.097
15	64QAM	36	20	20.08	0.102	19.92	0.098	19.91	0.098
15	64QAM	36	39	19.96	0.099	20.09	0.102	20.01	0.100
15	64QAM	75	0	19.87	0.097	19.98	0.100	20.03	0.101



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	21.91	0.155	21.88	0.154	21.79	0.151
10	QPSK	1	25	21.84	0.153	21.76	0.150	21.74	0.149
10	QPSK	1	49	21.80	0.151	21.78	0.151	21.83	0.152
10	QPSK	25	0	20.87	0.122	21.07	0.128	21.02	0.126
10	QPSK	25	12	20.95	0.124	20.98	0.125	20.94	0.124
10	QPSK	25	25	20.90	0.123	20.85	0.122	20.96	0.125
10	QPSK	50	0	20.77	0.119	20.96	0.125	20.71	0.118
10	16QAM	1	0	21.04	0.127	20.88	0.122	21.12	0.129
10	16QAM	1	25	20.83	0.121	20.78	0.120	21.02	0.126
10	16QAM	1	49	21.05	0.127	20.92	0.124	20.94	0.124
10	16QAM	25	0	20.16	0.104	20.14	0.103	20.02	0.100
10	16QAM	25	12	19.97	0.099	20.19	0.104	20.14	0.103
10	16QAM	25	25	20.12	0.103	20.20	0.105	20.03	0.101
10	16QAM	50	0	20.11	0.103	20.23	0.105	20.20	0.105
10	64QAM	1	0	21.03	0.127	20.95	0.124	20.93	0.124
10	64QAM	1	25	20.82	0.121	21.06	0.128	21.04	0.127
10	64QAM	1	49	21.09	0.129	21.12	0.129	20.92	0.124
10	64QAM	25	0	20.11	0.103	20.06	0.101	20.02	0.100
10	64QAM	25	12	20.09	0.102	20.11	0.103	20.07	0.102
10	64QAM	25	25	20.04	0.101	20.11	0.103	20.01	0.100
10	64QAM	50	0	19.89	0.097	20.20	0.105	20.05	0.101



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	21.84	0.153	21.87	0.154	21.85	0.153
5	QPSK	1	12	21.79	0.151	21.82	0.152	21.75	0.150
5	QPSK	1	24	21.80	0.151	21.70	0.148	21.83	0.152
5	QPSK	12	0	20.95	0.124	21.08	0.128	21.00	0.126
5	QPSK	12	7	20.90	0.123	20.98	0.125	21.04	0.127
5	QPSK	12	13	20.83	0.121	20.83	0.121	20.81	0.121
5	QPSK	25	0	20.90	0.123	20.91	0.123	20.98	0.125
5	16QAM	1	0	21.07	0.128	21.07	0.128	20.95	0.124
5	16QAM	1	12	20.82	0.121	20.74	0.119	20.96	0.125
5	16QAM	1	24	21.05	0.127	20.80	0.120	20.89	0.123
5	16QAM	12	0	20.01	0.100	20.20	0.105	20.28	0.107
5	16QAM	12	7	20.17	0.104	20.03	0.101	20.12	0.103
5	16QAM	12	13	20.16	0.104	20.03	0.101	20.17	0.104
5	16QAM	25	0	20.12	0.103	20.14	0.103	20.02	0.100
5	64QAM	1	0	21.11	0.129	21.02	0.126	21.18	0.131
5	64QAM	1	12	21.06	0.128	20.90	0.123	20.99	0.126
5	64QAM	1	24	21.15	0.130	21.16	0.131	21.05	0.127
5	64QAM	12	0	19.93	0.098	20.06	0.101	20.11	0.103
5	64QAM	12	7	20.04	0.101	19.91	0.098	19.92	0.098
5	64QAM	12	13	20.05	0.101	19.99	0.100	19.79	0.095
5	64QAM	25	0	19.90	0.098	19.98	0.100	20.09	0.102



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.05	0.080	19.29	0.085	19.18	0.083
10	QPSK	1	25	19.15	0.082	19.19	0.083	19.01	0.080
10	QPSK	1	49	19.14	0.082	19.16	0.082	19.10	0.081
10	QPSK	25	0	18.21	0.066	18.26	0.067	18.18	0.066
10	QPSK	25	12	18.20	0.066	18.24	0.067	18.21	0.066
10	QPSK	25	25	18.26	0.067	18.24	0.067	18.25	0.067
10	QPSK	50	0	18.24	0.067	18.21	0.066	18.30	0.068
10	16QAM	1	0	18.38	0.069	18.34	0.068	18.41	0.069
10	16QAM	1	25	18.10	0.065	18.22	0.066	18.16	0.065
10	16QAM	1	49	18.36	0.069	18.15	0.065	18.07	0.064
10	16QAM	25	0	17.22	0.053	17.31	0.054	17.35	0.054
10	16QAM	25	12	17.14	0.052	17.38	0.055	17.28	0.053
10	16QAM	25	25	17.12	0.052	17.25	0.053	17.27	0.053
10	16QAM	50	0	17.26	0.053	17.22	0.053	17.31	0.054
10	64QAM	1	0	18.27	0.067	18.32	0.068	18.34	0.068
10	64QAM	1	25	18.12	0.065	18.17	0.066	18.35	0.068
10	64QAM	1	49	18.18	0.066	18.36	0.069	18.41	0.069
10	64QAM	25	0	17.26	0.053	17.33	0.054	17.39	0.055
10	64QAM	25	12	17.31	0.054	17.13	0.052	17.17	0.052
10	64QAM	25	25	17.17	0.052	17.14	0.052	17.36	0.054
10	64QAM	50	0	17.32	0.054	17.25	0.053	17.25	0.053



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.11	0.081	19.26	0.084	19.09	0.081
5	QPSK	1	12	19.19	0.083	19.08	0.081	19.19	0.083
5	QPSK	1	24	19.16	0.082	19.22	0.084	19.12	0.082
5	QPSK	12	0	18.13	0.065	18.31	0.068	18.27	0.067
5	QPSK	12	7	18.12	0.065	18.22	0.066	18.21	0.066
5	QPSK	12	13	18.15	0.065	18.14	0.065	18.04	0.064
5	QPSK	25	0	18.09	0.064	18.23	0.067	18.20	0.066
5	16QAM	1	0	18.19	0.066	18.28	0.067	18.30	0.068
5	16QAM	1	12	18.28	0.067	18.12	0.065	18.27	0.067
5	16QAM	1	24	18.39	0.069	18.17	0.066	18.06	0.064
5	16QAM	12	0	17.23	0.053	17.28	0.053	17.31	0.054
5	16QAM	12	7	17.33	0.054	17.27	0.053	17.25	0.053
5	16QAM	12	13	17.34	0.054	17.36	0.054	17.15	0.052
5	16QAM	25	0	17.22	0.053	17.15	0.052	17.06	0.051
5	64QAM	1	0	18.38	0.069	18.34	0.068	18.25	0.067
5	64QAM	1	12	18.13	0.065	18.38	0.069	18.25	0.067
5	64QAM	1	24	18.29	0.067	18.32	0.068	18.44	0.070
5	64QAM	12	0	17.17	0.052	17.38	0.055	17.36	0.054
5	64QAM	12	7	17.28	0.053	17.41	0.055	17.18	0.052
5	64QAM	12	13	17.23	0.053	17.18	0.052	17.21	0.053
5	64QAM	25	0	17.38	0.055	17.35	0.054	17.22	0.053



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.07	0.081	19.27	0.085	19.19	0.083
3	QPSK	1	8	19.20	0.083	19.15	0.082	19.20	0.083
3	QPSK	1	14	19.08	0.081	19.09	0.081	19.18	0.083
3	QPSK	8	0	18.44	0.070	18.39	0.069	18.55	0.072
3	QPSK	8	4	18.31	0.068	18.23	0.067	18.36	0.069
3	QPSK	8	7	18.18	0.066	18.26	0.067	18.22	0.066
3	QPSK	15	0	18.11	0.065	18.42	0.070	18.05	0.064
3	16QAM	1	0	18.28	0.067	18.24	0.067	18.27	0.067
3	16QAM	1	8	18.16	0.065	18.25	0.067	18.09	0.064
3	16QAM	1	14	18.35	0.068	18.13	0.065	18.07	0.064
3	16QAM	8	0	17.56	0.057	17.30	0.054	17.22	0.053
3	16QAM	8	4	17.34	0.054	17.33	0.054	17.30	0.054
3	16QAM	8	7	17.21	0.053	17.15	0.052	17.32	0.054
3	16QAM	15	0	17.35	0.054	17.22	0.053	17.40	0.055
3	64QAM	1	0	18.26	0.067	18.34	0.068	18.30	0.068
3	64QAM	1	8	18.22	0.066	18.38	0.069	18.42	0.070
3	64QAM	1	14	18.41	0.069	18.22	0.066	18.28	0.067
3	64QAM	8	0	17.22	0.053	17.22	0.053	17.27	0.053
3	64QAM	8	4	17.35	0.054	17.35	0.054	17.25	0.053
3	64QAM	8	7	17.25	0.053	17.25	0.053	17.30	0.054
3	64QAM	15	0	17.35	0.054	17.28	0.053	17.20	0.052



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.14	0.082	19.22	0.084	19.16	0.082
1.4	QPSK	1	3	19.07	0.081	19.18	0.083	19.10	0.081
1.4	QPSK	1	5	19.10	0.081	19.13	0.082	19.08	0.081
1.4	QPSK	3	0	18.26	0.067	18.29	0.067	18.24	0.067
1.4	QPSK	3	1	18.19	0.066	18.21	0.066	18.11	0.065
1.4	QPSK	3	3	18.08	0.064	18.14	0.065	18.10	0.065
1.4	QPSK	6	0	18.08	0.064	18.31	0.068	18.12	0.065
1.4	16QAM	1	0	18.24	0.067	18.35	0.068	18.22	0.066
1.4	16QAM	1	3	18.29	0.067	18.15	0.065	18.15	0.065
1.4	16QAM	1	5	18.13	0.065	18.10	0.065	18.13	0.065
1.4	16QAM	3	0	17.50	0.056	17.59	0.057	17.44	0.055
1.4	16QAM	3	1	17.33	0.054	17.27	0.053	17.40	0.055
1.4	16QAM	3	3	17.33	0.054	17.34	0.054	17.32	0.054
1.4	16QAM	6	0	17.22	0.053	17.29	0.054	17.15	0.052
1.4	64QAM	1	0	18.23	0.067	18.28	0.067	18.37	0.069
1.4	64QAM	1	3	18.28	0.067	18.20	0.066	18.33	0.068
1.4	64QAM	1	5	18.27	0.067	18.28	0.067	18.33	0.068
1.4	64QAM	3	0	17.26	0.053	17.30	0.054	17.38	0.055
1.4	64QAM	3	1	17.21	0.053	17.18	0.052	17.42	0.055
1.4	64QAM	3	3	17.14	0.052	17.24	0.053	17.23	0.053
1.4	64QAM	6	0	17.39	0.055	17.20	0.052	17.29	0.054



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		23230		/	
Frequency (MHz)				/		782		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	20.99	0.126	/	/
10	QPSK	1	25	/	/	20.92	0.124	/	/
10	QPSK	1	49	/	/	20.88	0.122	/	/
10	QPSK	25	0	/	/	19.95	0.099	/	/
10	QPSK	25	12	/	/	19.87	0.097	/	/
10	QPSK	25	25	/	/	19.81	0.096	/	/
10	QPSK	50	0	/	/	19.89	0.097	/	/
10	16QAM	1	0	/	/	20.01	0.100	/	/
10	16QAM	1	25	/	/	19.85	0.097	/	/
10	16QAM	1	49	/	/	19.90	0.098	/	/
10	16QAM	25	0	/	/	18.89	0.077	/	/
10	16QAM	25	12	/	/	18.80	0.076	/	/
10	16QAM	25	25	/	/	18.77	0.075	/	/
10	16QAM	50	0	/	/	18.84	0.077	/	/
10	64QAM	1	0	/	/	19.96	0.099	/	/
10	64QAM	1	25	/	/	19.86	0.097	/	/
10	64QAM	1	49	/	/	19.92	0.098	/	/
10	64QAM	25	0	/	/	18.84	0.077	/	/
10	64QAM	25	12	/	/	18.77	0.075	/	/
10	64QAM	25	25	/	/	18.73	0.075	/	/
10	64QAM	50	0	/	/	18.78	0.076	/	/





LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23205		23230		23255	
Frequency (MHz)				779.5		782		784.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.78	0.120	20.90	0.123	20.84	0.121
5	QPSK	1	12	20.81	0.121	20.74	0.119	20.78	0.120
5	QPSK	1	24	20.75	0.119	20.73	0.118	20.81	0.121
5	QPSK	12	0	19.87	0.097	19.91	0.098	19.82	0.096
5	QPSK	12	7	19.67	0.093	19.73	0.094	19.55	0.090
5	QPSK	12	13	19.64	0.092	19.71	0.094	19.61	0.091
5	QPSK	25	0	19.67	0.093	19.82	0.096	19.60	0.091
5	16QAM	1	0	19.63	0.092	19.70	0.093	19.75	0.094
5	16QAM	1	12	19.70	0.093	19.67	0.093	19.82	0.096
5	16QAM	1	24	19.60	0.091	19.68	0.093	19.76	0.095
5	16QAM	12	0	18.72	0.074	18.86	0.077	18.62	0.073
5	16QAM	12	7	18.74	0.075	18.74	0.075	18.60	0.072
5	16QAM	12	13	18.55	0.072	18.74	0.075	18.77	0.075
5	16QAM	25	0	18.81	0.076	18.85	0.077	18.73	0.075
5	64QAM	1	0	19.88	0.097	19.85	0.097	19.88	0.097
5	64QAM	1	12	19.70	0.093	19.65	0.092	19.61	0.091
5	64QAM	1	24	19.89	0.097	19.63	0.092	19.71	0.094
5	64QAM	12	0	18.69	0.074	18.69	0.074	18.71	0.074
5	64QAM	12	7	18.63	0.073	18.73	0.075	18.82	0.076
5	64QAM	12	13	18.59	0.072	18.71	0.074	18.71	0.074
5	64QAM	25	0	18.70	0.074	18.71	0.074	18.72	0.074



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	18.77	0.075	18.90	0.078	18.74	0.075
10	QPSK	1	25	18.79	0.076	18.75	0.075	18.66	0.073
10	QPSK	1	49	18.64	0.073	18.78	0.076	18.78	0.076
10	QPSK	25	0	17.68	0.059	17.91	0.062	17.86	0.061
10	QPSK	25	12	17.81	0.060	17.82	0.061	17.58	0.057
10	QPSK	25	25	17.63	0.058	17.87	0.061	17.61	0.058
10	QPSK	50	0	17.71	0.059	17.87	0.061	17.63	0.058
10	16QAM	1	0	17.64	0.058	17.77	0.060	17.77	0.060
10	16QAM	1	25	17.52	0.056	17.67	0.058	17.82	0.061
10	16QAM	1	49	17.50	0.056	17.51	0.056	17.63	0.058
10	16QAM	25	0	16.70	0.047	16.87	0.049	16.60	0.046
10	16QAM	25	12	16.85	0.048	16.95	0.050	16.86	0.049
10	16QAM	25	25	16.66	0.046	16.71	0.047	16.89	0.049
10	16QAM	50	0	16.96	0.050	17.10	0.051	16.92	0.049
10	64QAM	1	0	17.90	0.062	17.85	0.061	17.77	0.060
10	64QAM	1	25	17.74	0.059	17.74	0.059	17.71	0.059
10	64QAM	1	49	17.74	0.059	17.71	0.059	17.73	0.059
10	64QAM	25	0	16.70	0.047	16.78	0.048	16.83	0.048
10	64QAM	25	12	16.74	0.047	16.76	0.047	16.84	0.048
10	64QAM	25	25	16.54	0.045	16.74	0.047	16.71	0.047
10	64QAM	50	0	16.53	0.045	16.64	0.046	16.69	0.047



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	18.77	0.075	18.85	0.077	18.74	0.075
5	QPSK	1	12	18.81	0.076	18.76	0.075	18.75	0.075
5	QPSK	1	24	18.73	0.075	18.76	0.075	18.80	0.076
5	QPSK	12	0	17.72	0.059	17.93	0.062	17.82	0.061
5	QPSK	12	7	17.65	0.058	17.93	0.062	17.73	0.059
5	QPSK	12	13	17.70	0.059	17.74	0.059	17.70	0.059
5	QPSK	25	0	17.55	0.057	17.85	0.061	17.74	0.059
5	16QAM	1	0	17.74	0.059	17.73	0.059	17.69	0.059
5	16QAM	1	12	17.55	0.057	17.73	0.059	17.82	0.061
5	16QAM	1	24	17.68	0.059	17.71	0.059	17.57	0.057
5	16QAM	12	0	16.66	0.046	16.88	0.049	16.74	0.047
5	16QAM	12	7	16.84	0.048	16.80	0.048	16.88	0.049
5	16QAM	12	13	16.59	0.046	16.57	0.045	16.89	0.049
5	16QAM	25	0	16.81	0.048	16.83	0.048	16.90	0.049
5	64QAM	1	0	17.66	0.058	17.67	0.058	17.81	0.060
5	64QAM	1	12	17.78	0.060	17.67	0.058	17.56	0.057
5	64QAM	1	24	17.81	0.060	17.69	0.059	17.63	0.058
5	64QAM	12	0	16.79	0.048	16.80	0.048	16.75	0.047
5	64QAM	12	7	16.62	0.046	16.76	0.047	16.63	0.046
5	64QAM	12	13	16.52	0.045	16.53	0.045	16.58	0.045
5	64QAM	25	0	16.52	0.045	16.65	0.046	16.78	0.048



LTE Band 18				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23965		23970		23975	
Frequency (MHz)				826.5		827		827.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.81	0.121	20.80	0.120	20.90	0.123
5	QPSK	1	12	20.75	0.119	20.74	0.119	20.84	0.121
5	QPSK	1	24	20.71	0.118	20.66	0.116	20.74	0.119
5	QPSK	12	0	19.78	0.095	19.87	0.097	19.88	0.097
5	QPSK	12	7	19.87	0.097	19.87	0.097	19.88	0.097
5	QPSK	12	13	19.47	0.089	19.51	0.089	19.59	0.091
5	QPSK	25	0	19.49	0.089	19.56	0.090	19.58	0.091
5	16QAM	1	0	19.92	0.098	19.90	0.098	19.95	0.099
5	16QAM	1	12	19.78	0.095	19.77	0.095	19.82	0.096
5	16QAM	1	24	19.79	0.095	19.74	0.094	19.82	0.096
5	16QAM	12	0	18.65	0.073	18.71	0.074	18.75	0.075
5	16QAM	12	7	18.96	0.079	18.90	0.078	19.00	0.079
5	16QAM	12	13	18.77	0.075	18.76	0.075	18.82	0.076
5	16QAM	25	0	19.01	0.080	18.93	0.078	19.04	0.080
5	64QAM	1	0	19.82	0.096	19.81	0.096	19.93	0.098
5	64QAM	1	12	19.64	0.092	19.62	0.092	19.66	0.092
5	64QAM	1	24	19.89	0.097	19.87	0.097	19.95	0.099
5	64QAM	12	0	18.84	0.077	18.83	0.076	18.94	0.078
5	64QAM	12	7	18.76	0.075	18.82	0.076	18.86	0.077
5	64QAM	12	13	18.71	0.074	18.66	0.073	18.78	0.076
5	64QAM	25	0	18.70	0.074	18.61	0.073	18.73	0.075



LTE Band 19				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		24075		/	
Frequency (MHz)				/		837.5		/	
				/	/	dbm	W	/	/
15	QPSK	1	0	/	/	21.28	0.134	/	/
15	QPSK	1	37	/	/	21.05	0.127	/	/
15	QPSK	1	74	/	/	21.21	0.132	/	/
15	QPSK	36	0	/	/	20.29	0.107	/	/
15	QPSK	36	20	/	/	20.15	0.104	/	/
15	QPSK	36	39	/	/	19.98	0.100	/	/
15	QPSK	75	0	/	/	20.22	0.105	/	/
15	16QAM	1	0	/	/	20.02	0.100	/	/
15	16QAM	1	37	/	/	19.97	0.099	/	/
15	16QAM	1	74	/	/	19.99	0.100	/	/
15	16QAM	36	0	/	/	19.24	0.084	/	/
15	16QAM	36	20	/	/	19.19	0.083	/	/
15	16QAM	36	39	/	/	19.10	0.081	/	/
15	16QAM	75	0	/	/	19.09	0.081	/	/
15	64QAM	1	0	/	/	20.17	0.104	/	/
15	64QAM	1	37	/	/	20.24	0.106	/	/
15	64QAM	1	74	/	/	19.97	0.099	/	/
15	64QAM	36	0	/	/	19.04	0.080	/	/
15	64QAM	36	20	/	/	19.17	0.083	/	/
15	64QAM	36	39	/	/	19.14	0.082	/	/
15	64QAM	75	0	/	/	19.02	0.080	/	/



LTE Band 19				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				24050		24075		24100	
Frequency (MHz)				835		837.5		840	
				dbm	W	dbm	W	dbm	W
10	QPSK	1	0	21.22	0.132	21.24	0.133	21.21	0.132
10	QPSK	1	25	21.06	0.128	20.92	0.124	21.14	0.130
10	QPSK	1	49	21.03	0.127	21.20	0.132	21.12	0.129
10	QPSK	25	0	20.20	0.105	20.20	0.105	20.16	0.104
10	QPSK	25	12	20.18	0.104	20.13	0.103	19.96	0.099
10	QPSK	25	25	19.85	0.097	20.09	0.102	19.92	0.098
10	QPSK	50	0	19.95	0.099	19.99	0.100	19.85	0.097
10	16QAM	1	0	20.07	0.102	20.21	0.105	20.20	0.105
10	16QAM	1	25	20.09	0.102	19.87	0.097	20.11	0.103
10	16QAM	1	49	20.07	0.102	19.89	0.097	20.05	0.101
10	16QAM	25	0	19.28	0.085	19.38	0.087	19.16	0.082
10	16QAM	25	12	19.17	0.083	19.09	0.081	19.13	0.082
10	16QAM	25	25	19.08	0.081	19.09	0.081	19.31	0.085
10	16QAM	50	0	19.47	0.089	19.36	0.086	19.26	0.084
10	64QAM	1	0	20.07	0.102	20.22	0.105	20.17	0.104
10	64QAM	1	12	19.91	0.098	20.19	0.104	20.11	0.103
10	64QAM	1	24	20.05	0.101	19.91	0.098	20.03	0.101
10	64QAM	12	0	19.21	0.083	19.20	0.083	19.11	0.081
10	64QAM	12	7	19.20	0.083	19.14	0.082	19.19	0.083
10	64QAM	12	13	18.97	0.079	19.13	0.082	19.04	0.080
10	64QAM	25	0	18.92	0.078	19.11	0.081	19.18	0.083



LTE Band 19				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				24025		24075		24125	
Frequency (MHz)				832.5		837.5		842.5	
				dbm	W	dbm	W	dbm	W
5	QPSK	1	0	20.94	0.124	21.22	0.132	21.17	0.131
5	QPSK	1	12	21.10	0.129	20.92	0.124	21.14	0.130
5	QPSK	1	24	21.10	0.129	21.15	0.130	21.21	0.132
5	QPSK	12	0	20.04	0.101	20.25	0.106	20.13	0.103
5	QPSK	12	7	20.15	0.104	20.27	0.106	20.11	0.103
5	QPSK	12	13	20.11	0.103	20.25	0.106	19.94	0.099
5	QPSK	25	0	19.89	0.097	20.04	0.101	19.89	0.097
5	16QAM	1	0	20.09	0.102	20.03	0.101	20.20	0.105
5	16QAM	1	12	19.94	0.099	19.94	0.099	20.08	0.102
5	16QAM	1	24	20.18	0.104	19.91	0.098	20.20	0.105
5	16QAM	12	0	19.21	0.083	19.27	0.085	19.03	0.080
5	16QAM	12	7	19.17	0.083	19.10	0.081	19.24	0.084
5	16QAM	12	13	19.02	0.080	18.98	0.079	19.16	0.082
5	16QAM	25	0	19.25	0.084	19.15	0.082	19.28	0.085
5	64QAM	1	0	20.04	0.101	20.22	0.105	20.18	0.104
5	64QAM	1	12	20.09	0.102	20.25	0.106	20.21	0.105
5	64QAM	1	24	20.08	0.102	20.03	0.101	20.26	0.106
5	64QAM	12	0	19.23	0.084	19.02	0.080	18.99	0.079
5	64QAM	12	7	19.27	0.085	19.07	0.081	19.02	0.080
5	64QAM	12	13	19.15	0.082	19.02	0.080	19.02	0.080
5	64QAM	25	0	19.11	0.081	18.88	0.077	19.09	0.081



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26140		26365		26590	
Frequency (MHz)				1860		1882.5		1905	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	26.02	0.400	26.15	0.412	26.10	0.407
20	QPSK	1	49	25.94	0.393	25.99	0.397	26.05	0.403
20	QPSK	1	99	25.84	0.384	26.03	0.401	25.90	0.389
20	QPSK	50	0	24.97	0.314	25.15	0.327	25.11	0.324
20	QPSK	50	24	24.91	0.310	25.09	0.323	25.04	0.319
20	QPSK	50	50	24.94	0.312	24.85	0.305	24.92	0.310
20	QPSK	100	0	24.91	0.310	24.96	0.313	25.01	0.317
20	16QAM	1	0	25.04	0.319	24.85	0.305	25.01	0.317
20	16QAM	1	49	24.95	0.313	24.85	0.305	24.88	0.308
20	16QAM	1	99	24.78	0.301	24.79	0.301	24.82	0.303
20	16QAM	50	0	24.14	0.259	24.17	0.261	23.99	0.251
20	16QAM	50	24	24.11	0.258	24.06	0.255	24.13	0.259
20	16QAM	50	50	23.86	0.243	24.09	0.256	24.20	0.263
20	16QAM	100	0	24.34	0.272	24.31	0.270	24.02	0.252
20	64QAM	1	0	24.85	0.305	24.97	0.314	25.01	0.317
20	64QAM	1	49	24.79	0.301	25.01	0.317	24.80	0.302
20	64QAM	1	99	25.05	0.320	24.85	0.305	24.96	0.313
20	64QAM	50	0	24.17	0.261	24.01	0.252	23.90	0.245
20	64QAM	50	24	23.93	0.247	24.06	0.255	24.06	0.255
20	64QAM	50	50	23.97	0.249	24.04	0.254	23.94	0.248
20	64QAM	100	0	23.99	0.251	23.96	0.249	23.98	0.250





LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26115		26365		26615	
Frequency (MHz)				1857.5		1882.5		1907.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	26.02	0.400	26.12	0.409	25.99	0.397
15	QPSK	1	37	26.07	0.405	25.85	0.385	26.10	0.407
15	QPSK	1	74	25.84	0.384	26.04	0.402	25.88	0.387
15	QPSK	36	0	25.02	0.318	25.05	0.320	25.21	0.332
15	QPSK	36	20	25.02	0.318	25.07	0.321	25.00	0.316
15	QPSK	36	39	24.93	0.311	25.11	0.324	24.92	0.310
15	QPSK	75	0	25.00	0.316	25.06	0.321	24.94	0.312
15	16QAM	1	0	25.08	0.322	25.10	0.324	25.15	0.327
15	16QAM	1	37	24.81	0.303	24.91	0.310	25.00	0.316
15	16QAM	1	74	24.96	0.313	24.95	0.313	24.96	0.313
15	16QAM	36	0	23.98	0.250	24.10	0.257	24.09	0.256
15	16QAM	36	20	24.07	0.255	24.05	0.254	24.00	0.251
15	16QAM	36	39	23.98	0.250	23.87	0.244	24.01	0.252
15	16QAM	75	0	24.05	0.254	24.09	0.256	23.92	0.247
15	64QAM	1	0	25.10	0.324	25.03	0.318	25.07	0.321
15	64QAM	1	37	24.94	0.312	25.11	0.324	24.97	0.314
15	64QAM	1	74	24.93	0.311	24.94	0.312	24.85	0.305
15	64QAM	36	0	24.05	0.254	23.89	0.245	23.82	0.241
15	64QAM	36	20	24.07	0.255	24.00	0.251	23.89	0.245
15	64QAM	36	39	23.93	0.247	23.82	0.241	23.84	0.242
15	64QAM	75	0	23.70	0.234	23.77	0.238	23.94	0.248



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26090		26365		26640	
Frequency (MHz)				1855		1882.5		1910	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	26.03	0.401	26.08	0.406	26.04	0.402
10	QPSK	1	25	26.06	0.404	25.93	0.392	25.98	0.396
10	QPSK	1	49	25.93	0.392	25.94	0.393	25.92	0.391
10	QPSK	25	0	25.00	0.316	25.12	0.325	25.04	0.319
10	QPSK	25	12	24.97	0.314	24.98	0.315	24.89	0.308
10	QPSK	25	25	24.78	0.301	24.95	0.313	24.98	0.315
10	QPSK	50	0	24.69	0.294	24.87	0.307	24.93	0.311
10	16QAM	1	0	24.87	0.307	24.88	0.308	24.88	0.308
10	16QAM	1	25	24.84	0.305	24.91	0.310	25.00	0.316
10	16QAM	1	49	24.86	0.306	24.80	0.302	24.99	0.316
10	16QAM	25	0	24.04	0.254	24.14	0.259	23.87	0.244
10	16QAM	25	12	24.07	0.255	23.96	0.249	24.03	0.253
10	16QAM	25	25	24.03	0.253	23.83	0.242	23.97	0.249
10	16QAM	50	0	24.12	0.258	24.18	0.262	24.16	0.261
10	64QAM	1	0	25.14	0.327	24.99	0.316	25.03	0.318
10	64QAM	1	25	24.96	0.313	24.96	0.313	24.91	0.310
10	64QAM	1	49	25.08	0.322	24.93	0.311	24.96	0.313
10	64QAM	25	0	23.94	0.248	24.11	0.258	23.91	0.246
10	64QAM	25	12	23.96	0.249	24.03	0.253	23.93	0.247
10	64QAM	25	25	24.01	0.252	23.94	0.248	23.99	0.251
10	64QAM	50	0	23.93	0.247	23.93	0.247	24.03	0.253



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26065		26365		26665	
Frequency (MHz)				1852.5		1882.5		1912.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	25.98	0.396	26.05	0.403	26.03	0.401
5	QPSK	1	12	25.96	0.394	25.94	0.393	26.01	0.399
5	QPSK	1	24	25.88	0.387	25.98	0.396	25.95	0.394
5	QPSK	12	0	25.13	0.326	25.16	0.328	24.93	0.311
5	QPSK	12	7	24.90	0.309	24.95	0.313	25.03	0.318
5	QPSK	12	13	24.96	0.313	25.12	0.325	24.94	0.312
5	QPSK	25	0	24.89	0.308	24.97	0.314	24.64	0.291
5	16QAM	1	0	25.04	0.319	24.96	0.313	24.92	0.310
5	16QAM	1	12	24.91	0.310	24.94	0.312	25.09	0.323
5	16QAM	1	24	24.95	0.313	24.98	0.315	25.00	0.316
5	16QAM	12	0	24.06	0.255	24.16	0.261	23.86	0.243
5	16QAM	12	7	24.07	0.255	24.12	0.258	23.96	0.249
5	16QAM	12	13	23.84	0.242	23.84	0.242	24.00	0.251
5	16QAM	25	0	24.05	0.254	24.01	0.252	24.11	0.258
5	64QAM	1	0	25.05	0.320	24.98	0.315	25.14	0.327
5	64QAM	1	12	24.94	0.312	25.12	0.325	24.83	0.304
5	64QAM	1	24	25.02	0.318	24.79	0.301	25.03	0.318
5	64QAM	12	0	23.94	0.248	23.85	0.243	23.97	0.249
5	64QAM	12	7	23.84	0.242	24.01	0.252	24.04	0.254
5	64QAM	12	13	24.01	0.252	23.81	0.240	23.75	0.237
5	64QAM	25	0	23.91	0.246	23.83	0.242	24.00	0.251



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26055		26365		26675	
Frequency (MHz)				1851.5		1882.5		1913.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	26.01	0.399	26.06	0.404	25.98	0.396
3	QPSK	1	8	25.99	0.397	26.00	0.398	25.88	0.387
3	QPSK	1	14	25.82	0.382	26.02	0.400	26.02	0.400
3	QPSK	8	0	24.89	0.308	25.22	0.333	25.19	0.330
3	QPSK	8	4	24.96	0.313	25.14	0.327	24.91	0.310
3	QPSK	8	7	24.98	0.315	24.97	0.314	24.94	0.312
3	QPSK	15	0	24.74	0.298	24.96	0.313	24.59	0.288
3	16QAM	1	0	25.03	0.318	24.90	0.309	25.02	0.318
3	16QAM	1	8	24.70	0.295	24.81	0.303	24.93	0.311
3	16QAM	1	14	24.93	0.311	24.70	0.295	24.86	0.306
3	16QAM	8	0	23.98	0.250	24.23	0.265	24.01	0.252
3	16QAM	8	4	24.18	0.262	24.17	0.261	24.07	0.255
3	16QAM	8	7	23.94	0.248	23.97	0.249	24.03	0.253
3	16QAM	15	0	24.26	0.267	24.13	0.259	24.20	0.263
3	64QAM	1	0	25.03	0.318	25.04	0.319	25.14	0.327
3	64QAM	1	8	24.93	0.311	25.11	0.324	25.02	0.318
3	64QAM	1	14	25.06	0.321	24.95	0.313	25.09	0.323
3	64QAM	8	0	23.96	0.249	23.90	0.245	23.98	0.250
3	64QAM	8	4	24.12	0.258	24.16	0.261	23.88	0.244
3	64QAM	8	7	23.90	0.245	24.00	0.251	23.84	0.242
3	64QAM	15	0	23.97	0.249	23.87	0.244	24.05	0.254



LTE Band 25				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26047		26365		26683	
Frequency (MHz)				1850.7		1882.5		1914.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	26.01	0.399	26.07	0.405	25.97	0.395
1.4	QPSK	1	3	25.99	0.397	25.91	0.390	25.90	0.389
1.4	QPSK	1	5	25.91	0.390	26.01	0.399	26.00	0.398
1.4	QPSK	3	0	25.00	0.316	25.23	0.333	24.93	0.311
1.4	QPSK	3	1	24.94	0.312	24.95	0.313	24.89	0.308
1.4	QPSK	3	3	24.97	0.314	24.92	0.310	24.93	0.311
1.4	QPSK	6	0	24.93	0.311	25.09	0.323	24.82	0.303
1.4	16QAM	1	0	24.96	0.313	25.05	0.320	25.15	0.327
1.4	16QAM	1	3	24.97	0.314	25.01	0.317	25.07	0.321
1.4	16QAM	1	5	25.02	0.318	24.90	0.309	24.89	0.308
1.4	16QAM	3	0	23.96	0.249	24.02	0.252	23.98	0.250
1.4	16QAM	3	1	23.94	0.248	24.17	0.261	23.97	0.249
1.4	16QAM	3	3	23.97	0.249	23.90	0.245	24.00	0.251
1.4	16QAM	6	0	24.10	0.257	24.19	0.262	24.13	0.259
1.4	64QAM	1	0	24.95	0.313	24.98	0.315	25.19	0.330
1.4	64QAM	1	3	24.91	0.310	25.04	0.319	24.93	0.311
1.4	64QAM	1	5	25.11	0.324	24.89	0.308	25.08	0.322
1.4	64QAM	3	0	23.99	0.251	24.03	0.253	23.85	0.243
1.4	64QAM	3	1	23.90	0.245	24.02	0.252	23.91	0.246
1.4	64QAM	3	3	23.81	0.240	23.89	0.245	23.78	0.239
1.4	64QAM	6	0	23.79	0.239	23.85	0.243	23.87	0.244



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	22.03	0.160	21.99	0.158	21.99	0.158
15	QPSK	1	37	21.95	0.157	21.85	0.153	21.85	0.153
15	QPSK	1	74	21.85	0.153	21.87	0.154	21.96	0.157
15	QPSK	36	0	21.11	0.129	21.05	0.127	20.99	0.126
15	QPSK	36	20	21.09	0.129	20.95	0.124	20.82	0.121
15	QPSK	36	39	20.88	0.122	20.81	0.121	20.83	0.121
15	QPSK	75	0	20.94	0.124	20.79	0.120	20.75	0.119
15	16QAM	1	0	21.00	0.126	20.93	0.124	20.89	0.123
15	16QAM	1	37	20.75	0.119	20.74	0.119	20.77	0.119
15	16QAM	1	74	20.75	0.119	20.70	0.117	20.75	0.119
15	16QAM	36	0	20.08	0.102	20.02	0.100	20.01	0.100
15	16QAM	36	20	19.91	0.098	19.91	0.098	20.03	0.101
15	16QAM	36	39	19.77	0.095	19.89	0.097	20.09	0.102
15	16QAM	75	0	20.01	0.100	19.94	0.099	19.88	0.097
15	64QAM	1	0	21.02	0.126	21.01	0.126	21.00	0.126
15	64QAM	1	37	21.03	0.127	20.91	0.123	20.86	0.122
15	64QAM	1	74	20.88	0.122	20.85	0.121	20.82	0.121
15	64QAM	36	0	20.00	0.100	19.87	0.097	19.78	0.095
15	64QAM	36	20	20.08	0.102	19.98	0.100	19.99	0.100
15	64QAM	36	39	19.97	0.099	19.84	0.096	19.75	0.094
15	64QAM	75	0	19.74	0.094	19.87	0.097	20.06	0.101



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	21.94	0.156	21.93	0.156	22.00	0.158
10	QPSK	1	25	21.85	0.153	21.86	0.153	21.91	0.155
10	QPSK	1	49	21.80	0.151	21.90	0.155	21.92	0.156
10	QPSK	25	0	20.87	0.122	20.90	0.123	20.96	0.125
10	QPSK	25	12	20.90	0.123	20.90	0.123	20.96	0.125
10	QPSK	25	25	20.72	0.118	20.71	0.118	20.76	0.119
10	QPSK	50	0	20.67	0.117	20.69	0.117	20.76	0.119
10	16QAM	1	0	21.03	0.127	20.92	0.124	21.04	0.127
10	16QAM	1	25	20.79	0.120	20.86	0.122	20.91	0.123
10	16QAM	1	49	20.80	0.120	20.81	0.121	20.87	0.122
10	16QAM	25	0	19.89	0.097	19.90	0.098	19.93	0.098
10	16QAM	25	12	19.79	0.095	19.78	0.095	19.85	0.097
10	16QAM	25	25	19.84	0.096	19.79	0.095	19.91	0.098
10	16QAM	50	0	20.12	0.103	20.07	0.102	20.16	0.104
10	64QAM	1	0	20.91	0.123	20.84	0.121	20.96	0.125
10	64QAM	1	25	20.91	0.123	20.88	0.122	20.92	0.124
10	64QAM	1	49	20.83	0.121	20.79	0.120	20.86	0.122
10	64QAM	25	0	19.95	0.099	19.90	0.098	19.96	0.099
10	64QAM	25	12	19.87	0.097	19.83	0.096	19.88	0.097
10	64QAM	25	25	19.80	0.095	19.74	0.094	19.82	0.096
10	64QAM	50	0	19.94	0.099	19.90	0.098	20.02	0.100



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	21.92	0.156	21.97	0.157	21.99	0.158
5	QPSK	1	12	21.82	0.152	21.80	0.151	21.90	0.155
5	QPSK	1	24	21.90	0.155	21.91	0.155	21.94	0.156
5	QPSK	12	0	20.85	0.122	20.91	0.123	20.93	0.124
5	QPSK	12	7	20.65	0.116	20.71	0.118	20.72	0.118
5	QPSK	12	13	20.69	0.117	20.71	0.118	20.79	0.120
5	QPSK	25	0	20.70	0.117	20.65	0.116	20.73	0.118
5	16QAM	1	0	20.80	0.120	20.89	0.123	20.91	0.123
5	16QAM	1	12	20.82	0.121	20.84	0.121	20.86	0.122
5	16QAM	1	24	20.67	0.117	20.66	0.116	20.72	0.118
5	16QAM	12	0	19.85	0.097	19.91	0.098	19.97	0.099
5	16QAM	12	7	19.78	0.095	19.83	0.096	19.90	0.098
5	16QAM	12	13	19.96	0.099	19.93	0.098	20.03	0.101
5	16QAM	25	0	19.82	0.096	19.84	0.096	19.87	0.097
5	64QAM	1	0	20.90	0.123	20.87	0.122	20.94	0.124
5	64QAM	1	12	20.87	0.122	20.92	0.124	20.98	0.125
5	64QAM	1	24	20.70	0.117	20.71	0.118	20.79	0.120
5	64QAM	12	0	19.75	0.094	19.75	0.094	19.79	0.095
5	64QAM	12	7	19.98	0.100	19.99	0.100	20.00	0.100
5	64QAM	12	13	19.83	0.096	19.78	0.095	19.88	0.097
5	64QAM	25	0	19.90	0.098	19.90	0.098	19.97	0.099





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	21.83	0.152	21.84	0.153	21.90	0.155
3	QPSK	1	8	21.77	0.150	21.78	0.151	21.88	0.154
3	QPSK	1	14	21.70	0.148	21.74	0.149	21.79	0.151
3	QPSK	8	0	20.97	0.125	21.00	0.126	21.02	0.126
3	QPSK	8	4	20.93	0.124	20.96	0.125	20.99	0.126
3	QPSK	8	7	20.86	0.122	20.86	0.122	20.88	0.122
3	QPSK	15	0	20.75	0.119	20.70	0.117	20.81	0.121
3	16QAM	1	0	20.90	0.123	21.01	0.126	21.02	0.126
3	16QAM	1	8	21.04	0.127	21.05	0.127	21.07	0.128
3	16QAM	1	14	20.66	0.116	20.65	0.116	20.76	0.119
3	16QAM	8	0	19.94	0.099	19.93	0.098	19.96	0.099
3	16QAM	8	4	19.91	0.098	19.94	0.099	19.98	0.100
3	16QAM	8	7	19.80	0.095	19.85	0.097	19.87	0.097
3	16QAM	15	0	20.03	0.101	20.01	0.100	20.06	0.101
3	64QAM	1	0	21.00	0.126	20.98	0.125	21.09	0.129
3	64QAM	1	8	20.71	0.118	20.66	0.116	20.73	0.118
3	64QAM	1	14	20.91	0.123	20.93	0.124	20.99	0.126
3	64QAM	8	0	19.83	0.096	19.88	0.097	19.92	0.098
3	64QAM	8	4	19.97	0.099	19.88	0.097	19.98	0.100
3	64QAM	8	7	19.67	0.093	19.75	0.094	19.78	0.095
3	64QAM	15	0	19.96	0.099	19.89	0.097	19.98	0.100



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	21.77	0.150	21.81	0.152	21.89	0.155
1.4	QPSK	1	3	21.88	0.154	21.86	0.153	21.94	0.156
1.4	QPSK	1	5	21.79	0.151	21.87	0.154	21.90	0.155
1.4	QPSK	3	0	20.83	0.121	20.85	0.122	20.88	0.122
1.4	QPSK	3	1	20.81	0.121	20.80	0.120	20.89	0.123
1.4	QPSK	3	3	20.79	0.120	20.89	0.123	20.90	0.123
1.4	QPSK	6	0	20.74	0.119	20.75	0.119	20.80	0.120
1.4	16QAM	1	0	20.77	0.119	20.84	0.121	20.87	0.122
1.4	16QAM	1	3	20.97	0.125	20.98	0.125	21.04	0.127
1.4	16QAM	1	5	20.62	0.115	20.63	0.116	20.72	0.118
1.4	16QAM	3	0	19.92	0.098	19.86	0.097	19.94	0.099
1.4	16QAM	3	1	19.93	0.098	20.00	0.100	20.02	0.100
1.4	16QAM	3	3	19.93	0.098	19.92	0.098	20.01	0.100
1.4	16QAM	6	0	19.91	0.098	19.91	0.098	19.99	0.100
1.4	64QAM	1	0	21.12	0.129	21.03	0.127	21.14	0.130
1.4	64QAM	1	3	20.79	0.120	20.78	0.120	20.81	0.121
1.4	64QAM	1	5	21.00	0.126	21.07	0.128	21.08	0.128
1.4	64QAM	3	0	19.96	0.099	19.91	0.098	19.99	0.100
1.4	64QAM	3	1	20.00	0.100	19.97	0.099	20.04	0.101
1.4	64QAM	3	3	19.58	0.091	19.59	0.091	19.66	0.092
1.4	64QAM	6	0	19.89	0.097	19.89	0.097	19.96	0.099



LTE Band 30				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		27710		/	
Frequency (MHz)				/		2310		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	22.97	0.198	/	/
10	QPSK	1	25	/	/	22.75	0.188	/	/
10	QPSK	1	49	/	/	22.80	0.191	/	/
10	QPSK	25	0	/	/	21.99	0.158	/	/
10	QPSK	25	12	/	/	21.92	0.156	/	/
10	QPSK	25	25	/	/	21.72	0.149	/	/
10	QPSK	50	0	/	/	21.92	0.156	/	/
10	16QAM	1	0	/	/	22.02	0.159	/	/
10	16QAM	1	25	/	/	21.82	0.152	/	/
10	16QAM	1	49	/	/	21.75	0.150	/	/
10	16QAM	25	0	/	/	21.00	0.126	/	/
10	16QAM	25	12	/	/	20.93	0.124	/	/
10	16QAM	25	25	/	/	20.80	0.120	/	/
10	16QAM	50	0	/	/	20.93	0.124	/	/
10	64QAM	1	0	/	/	21.78	0.151	/	/
10	64QAM	1	25	/	/	21.87	0.154	/	/
10	64QAM	1	49	/	/	21.80	0.151	/	/
10	64QAM	25	0	/	/	20.67	0.117	/	/
10	64QAM	25	12	/	/	21.03	0.127	/	/
10	64QAM	25	25	/	/	20.77	0.119	/	/
10	64QAM	50	0	/	/	20.69	0.117	/	/



LTE Band 30				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				27685		27710		27735	
Frequency (MHz)				2307.5		2310		2312.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	22.87	0.194	22.94	0.197	22.87	0.194
5	QPSK	1	12	22.89	0.195	22.85	0.193	22.86	0.193
5	QPSK	1	24	22.73	0.187	22.73	0.187	22.78	0.190
5	QPSK	12	0	21.91	0.155	22.02	0.159	22.00	0.158
5	QPSK	12	7	21.78	0.151	21.97	0.157	21.67	0.147
5	QPSK	12	13	21.76	0.150	21.88	0.154	21.69	0.148
5	QPSK	25	0	21.60	0.145	21.84	0.153	21.49	0.141
5	16QAM	1	0	21.91	0.155	21.90	0.155	21.90	0.155
5	16QAM	1	12	21.79	0.151	21.71	0.148	21.76	0.150
5	16QAM	1	24	21.81	0.152	21.77	0.150	21.72	0.149
5	16QAM	12	0	20.93	0.124	21.06	0.128	20.76	0.119
5	16QAM	12	7	20.97	0.125	21.04	0.127	20.97	0.125
5	16QAM	12	13	20.83	0.121	20.90	0.123	20.99	0.126
5	16QAM	25	0	20.94	0.124	21.03	0.127	21.01	0.126
5	64QAM	1	0	21.82	0.152	21.74	0.149	22.03	0.160
5	64QAM	1	12	21.73	0.149	21.95	0.157	21.89	0.155
5	64QAM	1	24	21.89	0.155	21.81	0.152	21.94	0.156
5	64QAM	12	0	20.97	0.125	20.96	0.125	20.79	0.120
5	64QAM	12	7	20.95	0.124	20.81	0.121	20.74	0.119
5	64QAM	12	13	20.78	0.120	20.80	0.120	20.68	0.117
5	64QAM	25	0	20.80	0.120	20.67	0.117	20.89	0.123



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	22.31	0.170	22.45	0.176	22.40	0.174
20	QPSK	1	49	22.27	0.169	22.28	0.169	22.28	0.169
20	QPSK	1	99	22.23	0.167	22.37	0.173	22.33	0.171
20	QPSK	50	0	21.25	0.133	21.51	0.142	21.46	0.140
20	QPSK	50	24	21.23	0.133	21.46	0.140	21.25	0.133
20	QPSK	50	50	21.24	0.133	21.44	0.139	21.24	0.133
20	QPSK	100	0	21.33	0.136	21.40	0.138	21.09	0.129
20	16QAM	1	0	21.46	0.140	21.45	0.140	21.44	0.139
20	16QAM	1	49	21.27	0.134	21.20	0.132	21.32	0.136
20	16QAM	1	99	21.31	0.135	21.21	0.132	21.32	0.136
20	16QAM	50	0	20.46	0.111	20.54	0.113	20.43	0.110
20	16QAM	50	24	20.33	0.108	20.43	0.110	20.35	0.108
20	16QAM	50	50	20.20	0.105	20.40	0.110	20.46	0.111
20	16QAM	100	0	20.36	0.109	20.37	0.109	20.40	0.110
20	64QAM	1	0	21.40	0.138	21.45	0.140	21.38	0.137
20	64QAM	1	49	21.29	0.135	21.42	0.139	21.30	0.135
20	64QAM	1	99	21.28	0.134	21.26	0.134	21.21	0.132
20	64QAM	50	0	20.31	0.107	20.29	0.107	20.22	0.105
20	64QAM	50	24	20.29	0.107	20.32	0.108	20.28	0.107
20	64QAM	50	50	20.31	0.107	20.27	0.106	20.23	0.105
20	64QAM	100	0	20.22	0.105	20.20	0.105	20.37	0.109



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	22.32	0.171	22.42	0.175	22.39	0.173
15	QPSK	1	37	22.29	0.169	22.25	0.168	22.25	0.168
15	QPSK	1	74	22.18	0.165	22.34	0.171	22.33	0.171
15	QPSK	36	0	21.26	0.134	21.46	0.140	21.40	0.138
15	QPSK	36	20	21.33	0.136	21.40	0.138	21.25	0.133
15	QPSK	36	39	21.25	0.133	21.37	0.137	21.26	0.134
15	QPSK	75	0	21.25	0.133	21.23	0.133	21.24	0.133
15	16QAM	1	0	21.40	0.138	21.45	0.140	21.43	0.139
15	16QAM	1	37	21.25	0.133	21.26	0.134	21.29	0.135
15	16QAM	1	74	21.39	0.138	21.22	0.132	21.30	0.135
15	16QAM	36	0	20.37	0.109	20.53	0.113	20.40	0.110
15	16QAM	36	20	20.46	0.111	20.40	0.110	20.33	0.108
15	16QAM	36	39	20.25	0.106	20.32	0.108	20.32	0.108
15	16QAM	75	0	20.44	0.111	20.54	0.113	20.43	0.110
15	64QAM	1	0	21.50	0.141	21.47	0.140	21.44	0.139
15	64QAM	1	37	21.27	0.134	21.48	0.141	21.36	0.137
15	64QAM	1	74	21.37	0.137	21.22	0.132	21.32	0.136
15	64QAM	36	0	20.54	0.113	20.47	0.111	20.43	0.110
15	64QAM	36	20	20.25	0.106	20.41	0.110	20.39	0.109
15	64QAM	36	39	20.19	0.104	20.30	0.107	20.29	0.107
15	64QAM	75	0	20.34	0.108	20.31	0.107	20.34	0.108



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	22.35	0.172	22.41	0.174	22.37	0.173
10	QPSK	1	25	22.34	0.171	22.31	0.170	22.36	0.172
10	QPSK	1	49	22.21	0.166	22.26	0.168	22.32	0.171
10	QPSK	25	0	21.38	0.137	21.45	0.140	21.43	0.139
10	QPSK	25	12	21.29	0.135	21.52	0.142	21.32	0.136
10	QPSK	25	25	21.24	0.133	21.41	0.138	21.18	0.131
10	QPSK	50	0	21.20	0.132	21.40	0.138	21.34	0.136
10	16QAM	1	0	21.37	0.137	21.21	0.132	21.37	0.137
10	16QAM	1	25	21.08	0.128	21.18	0.131	21.27	0.134
10	16QAM	1	49	21.24	0.133	21.12	0.129	21.43	0.139
10	16QAM	25	0	20.35	0.108	20.54	0.113	20.35	0.108
10	16QAM	25	12	20.43	0.110	20.31	0.107	20.28	0.107
10	16QAM	25	25	20.18	0.104	20.28	0.107	20.51	0.112
10	16QAM	50	0	20.51	0.112	20.58	0.114	20.58	0.114
10	64QAM	1	0	21.42	0.139	21.44	0.139	21.43	0.139
10	64QAM	1	25	21.17	0.131	21.48	0.141	21.27	0.134
10	64QAM	1	49	21.35	0.136	21.27	0.134	21.44	0.139
10	64QAM	25	0	20.32	0.108	20.21	0.105	20.29	0.107
10	64QAM	25	12	20.34	0.108	20.37	0.109	20.20	0.105
10	64QAM	25	25	20.19	0.104	20.32	0.108	20.23	0.105
10	64QAM	50	0	20.34	0.108	20.34	0.108	20.31	0.107



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	22.26	0.168	22.40	0.174	22.37	0.173
5	QPSK	1	12	22.21	0.166	22.37	0.173	22.26	0.168
5	QPSK	1	24	22.35	0.172	22.26	0.168	22.36	0.172
5	QPSK	12	0	21.28	0.134	21.49	0.141	21.42	0.139
5	QPSK	12	7	21.43	0.139	21.46	0.140	21.18	0.131
5	QPSK	12	13	21.19	0.132	21.47	0.140	21.21	0.132
5	QPSK	25	0	21.18	0.131	21.27	0.134	21.11	0.129
5	16QAM	1	0	21.44	0.139	21.46	0.140	21.28	0.134
5	16QAM	1	12	21.30	0.135	21.12	0.129	21.49	0.141
5	16QAM	1	24	21.30	0.135	21.19	0.132	21.25	0.133
5	16QAM	12	0	20.43	0.110	20.52	0.113	20.19	0.104
5	16QAM	12	7	20.36	0.109	20.39	0.109	20.50	0.112
5	16QAM	12	13	20.24	0.106	20.33	0.108	20.33	0.108
5	16QAM	25	0	20.63	0.116	20.57	0.114	20.50	0.112
5	64QAM	1	0	21.23	0.133	21.34	0.136	21.41	0.138
5	64QAM	1	12	21.23	0.133	21.24	0.133	21.35	0.136
5	64QAM	1	24	21.46	0.140	21.21	0.132	21.33	0.136
5	64QAM	12	0	20.42	0.110	20.25	0.106	20.33	0.108
5	64QAM	12	7	20.32	0.108	20.33	0.108	20.16	0.104
5	64QAM	12	13	20.35	0.108	20.33	0.108	20.26	0.106
5	64QAM	25	0	20.13	0.103	20.17	0.104	20.22	0.105





LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		38750		/	
Frequency (MHz)				/		2310		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	23.56	0.227	/	/
10	QPSK	1	25	/	/	23.50	0.224	/	/
10	QPSK	1	49	/	/	23.48	0.223	/	/
10	QPSK	25	0	/	/	22.60	0.182	/	/
10	QPSK	25	12	/	/	22.55	0.180	/	/
10	QPSK	25	25	/	/	22.47	0.177	/	/
10	QPSK	50	0	/	/	22.52	0.179	/	/
10	16QAM	1	0	/	/	22.54	0.179	/	/
10	16QAM	1	25	/	/	22.50	0.178	/	/
10	16QAM	1	49	/	/	22.48	0.177	/	/
10	16QAM	25	0	/	/	21.64	0.146	/	/
10	16QAM	25	12	/	/	21.57	0.144	/	/
10	16QAM	25	25	/	/	21.55	0.143	/	/
10	16QAM	50	0	/	/	21.60	0.145	/	/
10	64QAM	1	0	/	/	22.56	0.180	/	/
10	64QAM	1	25	/	/	22.46	0.176	/	/
10	64QAM	1	49	/	/	22.42	0.175	/	/
10	64QAM	25	0	/	/	21.61	0.145	/	/
10	64QAM	25	12	/	/	21.47	0.140	/	/
10	64QAM	25	25	/	/	21.48	0.141	/	/
10	64QAM	50	0	/	/	21.51	0.142	/	/



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				38725		38750		38775	
Frequency (MHz)				2307.5		2310		2312.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.48	0.223	23.53	0.225	23.52	0.225
5	QPSK	1	12	23.51	0.224	23.26	0.212	23.40	0.219
5	QPSK	1	24	23.43	0.220	23.48	0.223	23.44	0.221
5	QPSK	12	0	22.46	0.176	22.51	0.178	22.49	0.177
5	QPSK	12	7	22.33	0.171	22.48	0.177	22.22	0.167
5	QPSK	12	13	22.39	0.173	22.35	0.172	22.31	0.170
5	QPSK	25	0	22.15	0.164	22.38	0.173	22.22	0.167
5	16QAM	1	0	22.52	0.179	22.50	0.178	22.44	0.175
5	16QAM	1	12	22.17	0.165	22.30	0.170	22.33	0.171
5	16QAM	1	24	22.45	0.176	22.28	0.169	22.28	0.169
5	16QAM	12	0	21.35	0.136	21.78	0.151	21.40	0.138
5	16QAM	12	7	21.38	0.137	21.56	0.143	21.46	0.140
5	16QAM	12	13	21.41	0.138	21.50	0.141	21.61	0.145
5	16QAM	25	0	21.77	0.150	21.68	0.147	21.44	0.139
5	64QAM	1	0	22.46	0.176	22.54	0.179	22.56	0.180
5	64QAM	1	12	22.50	0.178	22.58	0.181	22.38	0.173
5	64QAM	1	24	22.69	0.186	22.36	0.172	22.35	0.172
5	64QAM	12	0	21.55	0.143	21.36	0.137	21.31	0.135
5	64QAM	12	7	21.52	0.142	21.39	0.138	21.44	0.139
5	64QAM	12	13	21.30	0.135	21.38	0.137	21.40	0.138
5	64QAM	25	0	21.40	0.138	21.42	0.139	21.41	0.138



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		39200		/	
Frequency (MHz)				/		2355		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	23.51	0.224	/	/
10	QPSK	1	25	/	/	23.48	0.223	/	/
10	QPSK	1	49	/	/	23.45	0.221	/	/
10	QPSK	25	0	/	/	22.56	0.180	/	/
10	QPSK	25	12	/	/	22.50	0.178	/	/
10	QPSK	25	25	/	/	22.52	0.179	/	/
10	QPSK	50	0	/	/	22.49	0.177	/	/
10	16QAM	1	0	/	/	22.49	0.177	/	/
10	16QAM	1	25	/	/	22.51	0.178	/	/
10	16QAM	1	49	/	/	22.53	0.179	/	/
10	16QAM	25	0	/	/	21.59	0.144	/	/
10	16QAM	25	12	/	/	21.48	0.141	/	/
10	16QAM	25	25	/	/	21.49	0.141	/	/
10	16QAM	50	0	/	/	21.52	0.142	/	/
10	64QAM	1	0	/	/	22.58	0.181	/	/
10	64QAM	1	25	/	/	22.56	0.180	/	/
10	64QAM	1	49	/	/	22.52	0.179	/	/
10	64QAM	25	0	/	/	21.55	0.143	/	/
10	64QAM	25	12	/	/	21.37	0.137	/	/
10	64QAM	25	25	/	/	21.43	0.139	/	/
10	64QAM	50	0	/	/	21.46	0.140	/	/



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39175		39200		39225	
Frequency (MHz)				2352.5		2355		2357.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.48	0.223	23.48	0.223	23.43	0.220
5	QPSK	1	12	23.46	0.222	23.37	0.217	23.45	0.221
5	QPSK	1	24	23.35	0.216	23.40	0.219	23.36	0.217
5	QPSK	12	0	22.54	0.179	22.52	0.179	22.52	0.179
5	QPSK	12	7	22.46	0.176	22.60	0.182	22.23	0.167
5	QPSK	12	13	22.30	0.170	22.34	0.171	22.28	0.169
5	QPSK	25	0	22.39	0.173	22.52	0.179	22.38	0.173
5	16QAM	1	0	22.56	0.180	22.59	0.182	22.50	0.178
5	16QAM	1	12	22.29	0.169	22.35	0.172	22.38	0.173
5	16QAM	1	24	22.35	0.172	22.26	0.168	22.52	0.179
5	16QAM	12	0	21.47	0.140	21.59	0.144	21.50	0.141
5	16QAM	12	7	21.47	0.140	21.58	0.144	21.39	0.138
5	16QAM	12	13	21.46	0.140	21.48	0.141	21.60	0.145
5	16QAM	25	0	21.66	0.147	21.73	0.149	21.68	0.147
5	64QAM	1	0	22.42	0.175	22.51	0.178	22.53	0.179
5	64QAM	1	12	22.46	0.176	22.35	0.172	22.49	0.177
5	64QAM	1	24	22.45	0.176	22.44	0.175	22.57	0.181
5	64QAM	12	0	21.62	0.145	21.36	0.137	21.32	0.136
5	64QAM	12	7	21.41	0.138	21.51	0.142	21.29	0.135
5	64QAM	12	13	21.39	0.138	21.38	0.137	21.29	0.135
5	64QAM	25	0	21.39	0.138	21.40	0.138	21.47	0.140



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.58	0.228	23.84	0.242	23.71	0.235
20	QPSK	1	49	23.65	0.232	23.78	0.239	23.65	0.232
20	QPSK	1	99	23.50	0.224	23.64	0.231	23.62	0.230
20	QPSK	50	0	22.85	0.193	22.94	0.197	22.82	0.191
20	QPSK	50	24	22.80	0.191	22.91	0.195	22.69	0.186
20	QPSK	50	50	22.64	0.184	22.79	0.190	22.66	0.185
20	QPSK	100	0	22.64	0.184	22.81	0.191	22.62	0.183
20	16QAM	1	0	22.66	0.185	22.85	0.193	22.68	0.185
20	16QAM	1	49	22.63	0.183	22.57	0.181	22.56	0.180
20	16QAM	1	99	22.61	0.182	22.64	0.184	22.59	0.182
20	16QAM	50	0	21.74	0.149	21.95	0.157	21.77	0.150
20	16QAM	50	24	21.66	0.147	21.71	0.148	21.67	0.147
20	16QAM	50	50	21.59	0.144	21.65	0.146	21.56	0.143
20	16QAM	100	0	21.86	0.153	21.86	0.153	21.76	0.150
20	64QAM	1	0	22.79	0.190	22.78	0.190	22.56	0.180
20	64QAM	1	49	22.45	0.176	22.56	0.180	22.69	0.186
20	64QAM	1	99	22.71	0.187	22.49	0.177	22.65	0.184
20	64QAM	50	0	21.82	0.152	21.81	0.152	21.83	0.152
20	64QAM	50	24	21.69	0.148	21.79	0.151	21.81	0.152
20	64QAM	50	50	21.69	0.148	21.70	0.148	21.68	0.147
20	64QAM	100	0	21.59	0.144	21.61	0.145	21.52	0.142



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.65	0.232	23.81	0.240	23.55	0.226
15	QPSK	1	37	23.79	0.239	23.62	0.230	23.65	0.232
15	QPSK	1	74	23.60	0.229	23.54	0.226	23.58	0.228
15	QPSK	36	0	22.65	0.184	22.84	0.192	22.68	0.185
15	QPSK	36	20	22.67	0.185	22.78	0.190	22.53	0.179
15	QPSK	36	39	22.53	0.179	22.58	0.181	22.52	0.179
15	QPSK	75	0	22.47	0.177	22.64	0.184	22.64	0.184
15	16QAM	1	0	22.85	0.193	22.93	0.196	22.86	0.193
15	16QAM	1	37	22.59	0.182	22.71	0.187	22.56	0.180
15	16QAM	1	74	22.61	0.182	22.72	0.187	22.67	0.185
15	16QAM	36	0	21.81	0.152	21.92	0.156	21.78	0.151
15	16QAM	36	20	21.77	0.150	21.82	0.152	21.85	0.153
15	16QAM	36	39	21.70	0.148	21.76	0.150	21.65	0.146
15	16QAM	75	0	21.86	0.153	21.86	0.153	22.00	0.158
15	64QAM	1	0	22.66	0.185	22.85	0.193	22.84	0.192
15	64QAM	1	37	22.66	0.185	22.77	0.189	22.53	0.179
15	64QAM	1	74	22.67	0.185	22.65	0.184	22.78	0.190
15	64QAM	36	0	21.92	0.156	21.81	0.152	21.65	0.146
15	64QAM	36	20	21.60	0.145	21.70	0.148	21.61	0.145
15	64QAM	36	39	21.58	0.144	21.61	0.145	21.69	0.148
15	64QAM	75	0	21.69	0.148	21.71	0.148	21.62	0.145



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.60	0.229	23.79	0.239	23.65	0.232
10	QPSK	1	25	23.64	0.231	23.69	0.234	23.69	0.234
10	QPSK	1	49	23.64	0.231	23.65	0.232	23.55	0.226
10	QPSK	25	0	22.83	0.192	22.94	0.197	22.84	0.192
10	QPSK	25	12	22.61	0.182	22.72	0.187	22.67	0.185
10	QPSK	25	25	22.59	0.182	22.64	0.184	22.64	0.184
10	QPSK	50	0	22.37	0.173	22.54	0.179	22.63	0.183
10	16QAM	1	0	22.62	0.183	22.80	0.191	22.86	0.193
10	16QAM	1	25	22.54	0.179	22.48	0.177	22.47	0.177
10	16QAM	1	49	22.75	0.188	22.78	0.190	22.60	0.182
10	16QAM	25	0	21.72	0.149	21.83	0.152	21.78	0.151
10	16QAM	25	12	21.82	0.152	21.87	0.154	21.84	0.153
10	16QAM	25	25	21.65	0.146	21.71	0.148	21.55	0.143
10	16QAM	50	0	21.89	0.155	21.89	0.155	21.85	0.153
10	64QAM	1	0	22.71	0.187	22.70	0.186	22.72	0.187
10	64QAM	1	25	22.72	0.187	22.83	0.192	22.68	0.185
10	64QAM	1	49	22.73	0.187	22.71	0.187	22.76	0.189
10	64QAM	25	0	21.68	0.147	21.77	0.150	21.62	0.145
10	64QAM	25	12	21.75	0.150	21.85	0.153	21.69	0.148
10	64QAM	25	25	21.67	0.147	21.70	0.148	21.54	0.143
10	64QAM	50	0	21.60	0.145	21.62	0.145	21.54	0.143



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.77	0.238	23.78	0.239	23.64	0.231
5	QPSK	1	12	23.67	0.233	23.74	0.237	23.74	0.237
5	QPSK	1	24	23.50	0.224	23.64	0.231	23.61	0.230
5	QPSK	12	0	22.80	0.191	22.99	0.199	22.83	0.192
5	QPSK	12	7	22.74	0.188	22.85	0.193	22.74	0.188
5	QPSK	12	13	22.61	0.182	22.71	0.187	22.63	0.183
5	QPSK	25	0	22.54	0.179	22.66	0.185	22.51	0.178
5	16QAM	1	0	22.86	0.193	22.84	0.192	22.72	0.187
5	16QAM	1	12	22.57	0.181	22.51	0.178	22.65	0.184
5	16QAM	1	24	22.71	0.187	22.54	0.179	22.52	0.179
5	16QAM	12	0	21.86	0.153	21.97	0.157	21.66	0.147
5	16QAM	12	7	21.75	0.150	21.80	0.151	21.70	0.148
5	16QAM	12	13	21.63	0.146	21.59	0.144	21.70	0.148
5	16QAM	25	0	21.77	0.150	21.77	0.150	22.03	0.160
5	64QAM	1	0	22.70	0.186	22.69	0.186	22.68	0.185
5	64QAM	1	12	22.56	0.180	22.67	0.185	22.54	0.179
5	64QAM	1	24	22.90	0.195	22.68	0.185	22.89	0.195
5	64QAM	12	0	21.66	0.147	21.75	0.150	21.87	0.154
5	64QAM	12	7	21.68	0.147	21.78	0.151	21.76	0.150
5	64QAM	12	13	21.69	0.148	21.72	0.149	21.69	0.148
5	64QAM	25	0	21.60	0.145	21.62	0.145	21.45	0.140





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	23.67	0.233	23.82	0.241	23.79	0.239
20	QPSK	1	49	23.80	0.240	23.70	0.234	23.73	0.236
20	QPSK	1	99	23.54	0.226	23.69	0.234	23.78	0.239
20	QPSK	50	0	22.60	0.182	22.87	0.194	22.68	0.185
20	QPSK	50	24	22.65	0.184	22.87	0.194	22.70	0.186
20	QPSK	50	50	22.59	0.182	22.69	0.186	22.61	0.182
20	QPSK	100	0	22.63	0.183	22.81	0.191	22.60	0.182
20	16QAM	1	0	22.75	0.188	22.77	0.189	22.83	0.192
20	16QAM	1	49	22.64	0.184	22.64	0.184	22.61	0.182
20	16QAM	1	99	22.64	0.184	22.69	0.186	22.70	0.186
20	16QAM	50	0	21.70	0.148	21.81	0.152	21.69	0.148
20	16QAM	50	24	21.62	0.145	21.71	0.148	21.70	0.148
20	16QAM	50	50	21.63	0.146	21.78	0.151	21.86	0.153
20	16QAM	100	0	21.77	0.150	21.86	0.153	21.91	0.155
20	64QAM	1	0	22.59	0.182	22.73	0.187	22.82	0.191
20	64QAM	1	49	22.69	0.186	22.63	0.183	22.75	0.188
20	64QAM	1	99	22.84	0.192	22.66	0.185	22.67	0.185
20	64QAM	50	0	21.64	0.146	21.64	0.146	21.59	0.144
20	64QAM	50	24	21.59	0.144	21.72	0.149	21.59	0.144
20	64QAM	50	50	21.66	0.147	21.70	0.148	21.63	0.146
20	64QAM	100	0	21.62	0.145	21.75	0.150	21.79	0.151



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	23.64	0.231	23.79	0.239	23.69	0.234
15	QPSK	1	37	23.65	0.232	23.70	0.234	23.77	0.238
15	QPSK	1	74	23.60	0.229	23.60	0.229	23.64	0.231
15	QPSK	36	0	22.77	0.189	22.87	0.194	22.82	0.191
15	QPSK	36	20	22.56	0.180	22.92	0.196	22.74	0.188
15	QPSK	36	39	22.55	0.180	22.79	0.190	22.56	0.180
15	QPSK	75	0	22.61	0.182	22.79	0.190	22.69	0.186
15	16QAM	1	0	22.66	0.185	22.79	0.190	22.60	0.182
15	16QAM	1	37	22.49	0.177	22.63	0.183	22.81	0.191
15	16QAM	1	74	22.63	0.183	22.59	0.182	22.57	0.181
15	16QAM	36	0	21.71	0.148	21.86	0.153	21.79	0.151
15	16QAM	36	20	21.85	0.153	21.76	0.150	21.60	0.145
15	16QAM	36	39	21.71	0.148	21.57	0.144	21.76	0.150
15	16QAM	75	0	21.82	0.152	22.00	0.158	21.88	0.154
15	64QAM	1	0	22.63	0.183	22.68	0.185	22.87	0.194
15	64QAM	1	37	22.70	0.186	22.76	0.189	22.71	0.187
15	64QAM	1	74	22.80	0.191	22.57	0.181	22.82	0.191
15	64QAM	36	0	21.72	0.149	21.67	0.147	21.74	0.149
15	64QAM	36	20	21.59	0.144	21.64	0.146	21.76	0.150
15	64QAM	36	39	21.71	0.148	21.65	0.146	21.54	0.143
15	64QAM	75	0	21.51	0.142	21.67	0.147	21.74	0.149



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	23.77	0.238	23.80	0.240	23.70	0.234
10	QPSK	1	25	23.77	0.238	23.57	0.228	23.66	0.232
10	QPSK	1	49	23.67	0.233	23.57	0.228	23.72	0.236
10	QPSK	25	0	22.66	0.185	22.82	0.191	22.81	0.191
10	QPSK	25	12	22.52	0.179	22.80	0.191	22.59	0.182
10	QPSK	25	25	22.68	0.185	22.60	0.182	22.56	0.180
10	QPSK	50	0	22.70	0.186	22.81	0.191	22.62	0.183
10	16QAM	1	0	22.66	0.185	22.82	0.191	22.81	0.191
10	16QAM	1	25	22.64	0.184	22.58	0.181	22.66	0.185
10	16QAM	1	49	22.66	0.185	22.56	0.180	22.67	0.185
10	16QAM	25	0	21.62	0.145	21.82	0.152	21.67	0.147
10	16QAM	25	12	21.63	0.146	21.78	0.151	21.75	0.150
10	16QAM	25	25	21.65	0.146	21.53	0.142	21.88	0.154
10	16QAM	50	0	22.07	0.161	21.81	0.152	21.76	0.150
10	64QAM	1	0	22.66	0.185	22.73	0.187	22.90	0.195
10	64QAM	1	25	22.57	0.181	22.57	0.181	22.57	0.181
10	64QAM	1	49	22.73	0.187	22.69	0.186	22.64	0.184
10	64QAM	25	0	21.70	0.148	21.72	0.149	21.80	0.151
10	64QAM	25	12	21.75	0.150	21.86	0.153	21.60	0.145
10	64QAM	25	25	21.52	0.142	21.67	0.147	21.58	0.144
10	64QAM	50	0	21.68	0.147	21.45	0.140	21.62	0.145



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	23.53	0.225	23.77	0.238	23.73	0.236
5	QPSK	1	12	23.66	0.232	23.65	0.232	23.61	0.230
5	QPSK	1	24	23.63	0.231	23.60	0.229	23.65	0.232
5	QPSK	12	0	22.83	0.192	22.90	0.195	22.74	0.188
5	QPSK	12	7	22.65	0.184	22.87	0.194	22.70	0.186
5	QPSK	12	13	22.70	0.186	22.70	0.186	22.57	0.181
5	QPSK	25	0	22.42	0.175	22.68	0.185	22.57	0.181
5	16QAM	1	0	22.62	0.183	22.60	0.182	22.69	0.186
5	16QAM	1	12	22.58	0.181	22.57	0.181	22.62	0.183
5	16QAM	1	24	22.58	0.181	22.53	0.179	22.76	0.189
5	16QAM	12	0	21.76	0.150	21.82	0.152	21.67	0.147
5	16QAM	12	7	21.77	0.150	21.83	0.152	21.84	0.153
5	16QAM	12	13	21.71	0.148	21.54	0.143	21.79	0.151
5	16QAM	25	0	21.85	0.153	21.89	0.155	21.74	0.149
5	64QAM	1	0	22.69	0.186	22.76	0.189	22.94	0.197
5	64QAM	1	12	22.74	0.188	22.69	0.186	22.64	0.184
5	64QAM	1	24	22.86	0.193	22.65	0.184	22.61	0.182
5	64QAM	12	0	21.69	0.148	21.69	0.148	21.80	0.151
5	64QAM	12	7	21.79	0.151	21.71	0.148	21.78	0.151
5	64QAM	12	13	21.66	0.147	21.63	0.146	21.64	0.146
5	64QAM	25	0	21.70	0.148	21.65	0.146	21.86	0.153



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	23.72	0.236	23.76	0.238	23.71	0.235
3	QPSK	1	8	23.66	0.232	23.67	0.233	23.63	0.231
3	QPSK	1	14	23.70	0.234	23.57	0.228	23.62	0.230
3	QPSK	8	0	22.67	0.185	22.79	0.190	22.89	0.195
3	QPSK	8	4	22.75	0.188	22.90	0.195	22.65	0.184
3	QPSK	8	7	22.65	0.184	22.64	0.184	22.65	0.184
3	QPSK	15	0	22.41	0.174	22.67	0.185	22.66	0.185
3	16QAM	1	0	22.73	0.187	22.81	0.191	22.74	0.188
3	16QAM	1	8	22.68	0.185	22.66	0.185	22.58	0.181
3	16QAM	1	14	22.74	0.188	22.48	0.177	22.48	0.177
3	16QAM	8	0	21.86	0.153	21.84	0.153	21.68	0.147
3	16QAM	8	4	21.73	0.149	21.68	0.147	21.86	0.153
3	16QAM	8	7	21.64	0.146	21.59	0.144	21.83	0.152
3	16QAM	15	0	21.77	0.150	21.99	0.158	21.72	0.149
3	64QAM	1	0	22.86	0.193	22.79	0.190	22.76	0.189
3	64QAM	1	8	22.60	0.182	22.57	0.181	22.60	0.182
3	64QAM	1	14	22.93	0.196	22.63	0.183	22.77	0.189
3	64QAM	8	0	21.80	0.151	21.70	0.148	21.73	0.149
3	64QAM	8	4	21.68	0.147	21.79	0.151	21.80	0.151
3	64QAM	8	7	21.62	0.145	21.59	0.144	21.62	0.145
3	64QAM	15	0	21.61	0.145	21.71	0.148	21.83	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				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.75	0.237	23.78	0.239	23.77	0.238
1.4	QPSK	1	3	23.68	0.233	23.55	0.226	23.55	0.226
1.4	QPSK	1	5	23.66	0.232	23.75	0.237	23.75	0.237
1.4	QPSK	3	0	22.87	0.194	22.76	0.189	22.65	0.184
1.4	QPSK	3	1	22.82	0.191	22.66	0.185	22.57	0.181
1.4	QPSK	3	3	22.64	0.184	22.68	0.185	22.58	0.181
1.4	QPSK	6	0	22.67	0.185	22.84	0.192	22.63	0.183
1.4	16QAM	1	0	22.87	0.194	22.73	0.187	22.68	0.185
1.4	16QAM	1	3	22.69	0.186	22.61	0.182	22.55	0.180
1.4	16QAM	1	5	22.58	0.181	22.57	0.181	22.51	0.178
1.4	16QAM	3	0	21.61	0.145	21.88	0.154	21.71	0.148
1.4	16QAM	3	1	21.87	0.154	21.85	0.153	21.57	0.144
1.4	16QAM	3	3	21.63	0.146	21.62	0.145	21.80	0.151
1.4	16QAM	6	0	21.89	0.155	21.77	0.150	21.67	0.147
1.4	64QAM	1	0	22.83	0.192	22.66	0.185	22.98	0.199
1.4	64QAM	1	3	22.63	0.183	22.74	0.188	22.74	0.188
1.4	64QAM	1	5	22.65	0.184	22.62	0.183	22.70	0.186
1.4	64QAM	3	0	21.64	0.146	21.65	0.146	21.75	0.150
1.4	64QAM	3	1	21.76	0.150	21.70	0.148	21.64	0.146
1.4	64QAM	3	3	21.66	0.147	21.57	0.144	21.60	0.145
1.4	64QAM	6	0	21.46	0.140	21.66	0.147	21.67	0.147



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133222		133322		133372	
Frequency (MHz)				673		683		688	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	20.57	0.114	20.65	0.116	20.54	0.113
20	QPSK	1	49	20.60	0.115	20.51	0.112	20.57	0.114
20	QPSK	1	99	20.48	0.112	20.47	0.111	20.55	0.114
20	QPSK	50	0	19.44	0.088	19.68	0.093	19.54	0.090
20	QPSK	50	24	19.39	0.087	19.64	0.092	19.35	0.086
20	QPSK	50	50	19.39	0.087	19.42	0.087	19.38	0.087
20	QPSK	100	0	19.45	0.088	19.61	0.091	19.49	0.089
20	16QAM	1	0	19.52	0.090	19.56	0.090	19.61	0.091
20	16QAM	1	49	19.32	0.086	19.41	0.087	19.38	0.087
20	16QAM	1	99	19.46	0.088	19.32	0.086	19.33	0.086
20	16QAM	50	0	18.67	0.074	18.64	0.073	18.61	0.073
20	16QAM	50	24	18.72	0.074	18.55	0.072	18.48	0.070
20	16QAM	50	50	18.44	0.070	18.61	0.073	18.58	0.072
20	16QAM	100	0	18.73	0.075	18.87	0.077	18.70	0.074
20	64QAM	1	0	19.57	0.091	19.44	0.088	19.55	0.090
20	64QAM	1	49	19.30	0.085	19.62	0.092	19.59	0.091
20	64QAM	1	99	19.46	0.088	19.54	0.090	19.48	0.089
20	64QAM	50	0	18.46	0.070	18.54	0.071	18.60	0.072
20	64QAM	50	24	18.53	0.071	18.64	0.073	18.34	0.068
20	64QAM	50	50	18.35	0.068	18.30	0.068	18.29	0.067
20	64QAM	100	0	18.44	0.070	18.26	0.067	18.56	0.072



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	20.60	0.115	20.62	0.115	20.57	0.114
15	QPSK	1	37	20.47	0.111	20.42	0.110	20.56	0.114
15	QPSK	1	74	20.43	0.110	20.54	0.113	20.47	0.111
15	QPSK	36	0	19.56	0.090	19.72	0.094	19.74	0.094
15	QPSK	36	20	19.58	0.091	19.68	0.093	19.56	0.090
15	QPSK	36	39	19.54	0.090	19.65	0.092	19.60	0.091
15	QPSK	75	0	19.26	0.084	19.40	0.087	19.14	0.082
15	16QAM	1	0	19.58	0.091	19.60	0.091	19.53	0.090
15	16QAM	1	37	19.45	0.088	19.53	0.090	19.46	0.088
15	16QAM	1	74	19.47	0.089	19.54	0.090	19.48	0.089
15	16QAM	36	0	18.51	0.071	18.70	0.074	18.62	0.073
15	16QAM	36	20	18.49	0.071	18.55	0.072	18.58	0.072
15	16QAM	36	39	18.40	0.069	18.35	0.068	18.49	0.071
15	16QAM	75	0	18.71	0.074	18.88	0.077	18.62	0.073
15	64QAM	1	0	19.50	0.089	19.66	0.092	19.74	0.094
15	64QAM	1	37	19.49	0.089	19.52	0.090	19.49	0.089
15	64QAM	1	74	19.49	0.089	19.45	0.088	19.56	0.090
15	64QAM	36	0	18.56	0.072	18.55	0.072	18.41	0.069
15	64QAM	36	20	18.39	0.069	18.69	0.074	18.41	0.069
15	64QAM	36	39	18.49	0.071	18.54	0.071	18.49	0.071
15	64QAM	75	0	18.43	0.070	18.44	0.070	18.49	0.071





LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133172		133297		133422	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.56	0.114	20.61	0.115	20.52	0.113
10	QPSK	1	25	20.56	0.114	20.58	0.114	20.54	0.113
10	QPSK	1	49	20.37	0.109	20.52	0.113	20.52	0.113
10	QPSK	25	0	19.52	0.090	19.70	0.093	19.65	0.092
10	QPSK	25	12	19.59	0.091	19.47	0.089	19.57	0.091
10	QPSK	25	25	19.33	0.086	19.46	0.088	19.43	0.088
10	QPSK	50	0	19.46	0.088	19.48	0.089	19.51	0.089
10	16QAM	1	0	19.58	0.091	19.62	0.092	19.64	0.092
10	16QAM	1	25	19.47	0.089	19.44	0.088	19.35	0.086
10	16QAM	1	49	19.31	0.085	19.34	0.086	19.49	0.089
10	16QAM	25	0	18.65	0.073	18.78	0.076	18.63	0.073
10	16QAM	25	12	18.55	0.072	18.56	0.072	18.54	0.071
10	16QAM	25	25	18.46	0.070	18.44	0.070	18.69	0.074
10	16QAM	50	0	18.62	0.073	18.68	0.074	18.51	0.071
10	64QAM	1	0	19.53	0.090	19.60	0.091	19.66	0.092
10	64QAM	1	25	19.48	0.089	19.59	0.091	19.46	0.088
10	64QAM	1	49	19.75	0.094	19.47	0.089	19.66	0.092
10	64QAM	25	0	18.48	0.070	18.55	0.072	18.55	0.072
10	64QAM	25	12	18.62	0.073	18.65	0.073	18.62	0.073
10	64QAM	25	25	18.36	0.069	18.42	0.070	18.45	0.070
10	64QAM	50	0	18.38	0.069	18.52	0.071	18.40	0.069



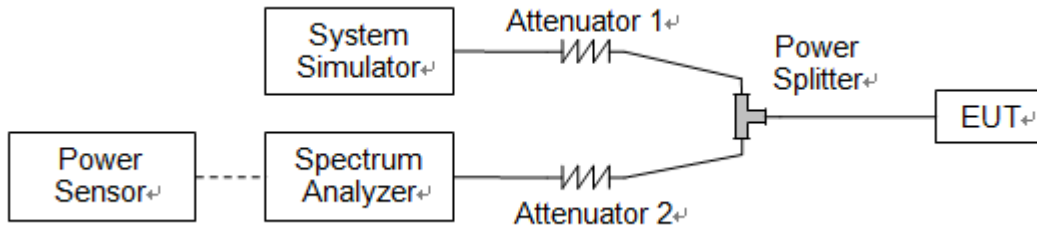
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.47	0.111	20.60	0.115	20.58	0.114
5	QPSK	1	12	20.58	0.114	20.42	0.110	20.52	0.113
5	QPSK	1	24	20.53	0.113	20.57	0.114	20.55	0.114
5	QPSK	12	0	19.53	0.090	19.57	0.091	19.61	0.091
5	QPSK	12	7	19.54	0.090	19.64	0.092	19.43	0.088
5	QPSK	12	13	19.44	0.088	19.39	0.087	19.49	0.089
5	QPSK	25	0	19.26	0.084	19.38	0.087	19.12	0.082
5	16QAM	1	0	19.56	0.090	19.51	0.089	19.59	0.091
5	16QAM	1	12	19.36	0.086	19.50	0.089	19.63	0.092
5	16QAM	1	24	19.41	0.087	19.39	0.087	19.44	0.088
5	16QAM	12	0	18.64	0.073	18.79	0.076	18.44	0.070
5	16QAM	12	7	18.52	0.071	18.51	0.071	18.60	0.072
5	16QAM	12	13	18.46	0.070	18.62	0.073	18.62	0.073
5	16QAM	25	0	18.75	0.075	18.81	0.076	18.64	0.073
5	64QAM	1	0	19.62	0.092	19.56	0.090	19.69	0.093
5	64QAM	1	12	19.57	0.091	19.58	0.091	19.44	0.088
5	64QAM	1	24	19.64	0.092	19.36	0.086	19.41	0.087
5	64QAM	12	0	18.65	0.073	18.55	0.072	18.46	0.070
5	64QAM	12	7	18.39	0.069	18.47	0.070	18.34	0.068
5	64QAM	12	13	18.53	0.071	18.50	0.071	18.53	0.071
5	64QAM	25	0	18.44	0.070	18.36	0.069	18.47	0.070

## 2.2. Occupied Bandwidth

### 2.2.1. Requirement

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

### 2.2.2. Test Description



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

### 2.2.3. Test Procedure

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

### 2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.28
	Low	16QAM	1.10	1.29
	Low	64QAM	1.10	1.31
	Mid	QPSK	1.10	1.30
	Mid	16QAM	1.10	1.30
	Mid	64QAM	1.10	1.28
	High	QPSK	1.10	1.30
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.28
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	2.98
	Low	64QAM	2.70	2.99
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.71	2.99
	Mid	64QAM	2.71	2.99
	High	QPSK	2.71	2.99
	High	16QAM	2.71	3.00
	High	64QAM	2.70	2.98
5	Low	QPSK	4.51	5.05
	Low	16QAM	4.51	5.02
	Low	64QAM	4.52	4.97
	Mid	QPSK	4.50	5.01
	Mid	16QAM	4.50	5.01
	Mid	64QAM	4.51	4.97
	High	QPSK	4.49	5.00
	High	16QAM	4.51	4.99
	High	64QAM	4.51	5.00
10	Low	QPSK	8.98	9.88
	Low	16QAM	8.97	9.82
	Low	64QAM	9.00	9.87
	Mid	QPSK	8.98	9.86
	Mid	16QAM	8.96	9.82
	Mid	64QAM	8.96	9.89
	High	QPSK	8.99	9.84
	High	16QAM	8.93	9.77
	High	64QAM	8.96	9.82



15	Low	QPSK	13.52	14.68
	Low	16QAM	13.51	14.67
	Low	64QAM	13.47	14.75
	Mid	QPSK	13.45	14.62
	Mid	16QAM	13.44	14.61
	Mid	64QAM	13.42	14.62
	High	QPSK	13.42	14.55
	High	16QAM	13.42	14.65
	High	64QAM	13.39	14.61
20	Low	QPSK	18.01	19.47
	Low	16QAM	18.01	19.55
	Low	64QAM	18.01	19.49
	Mid	QPSK	17.88	19.23
	Mid	16QAM	17.94	19.30
	Mid	64QAM	17.92	19.33
	High	QPSK	17.89	19.47
	High	16QAM	17.91	19.45
	High	64QAM	17.86	19.43



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.29
	Low	16QAM	1.10	1.29
	Low	64QAM	1.10	1.28
	Mid	QPSK	1.10	1.31
	Mid	16QAM	1.10	1.31
	Mid	64QAM	1.10	1.30
	High	QPSK	1.10	1.29
	High	16QAM	1.10	1.28
	High	64QAM	1.10	1.29
3	Low	QPSK	2.70	2.97
	Low	16QAM	2.70	3.00
	Low	64QAM	2.70	2.97
	Mid	QPSK	2.70	2.97
	Mid	16QAM	2.70	3.01
	Mid	64QAM	2.70	2.99
	High	QPSK	2.70	2.99
	High	16QAM	2.70	2.99
	High	64QAM	2.71	2.99
5	Low	QPSK	4.50	5.02
	Low	16QAM	4.50	5.00
	Low	64QAM	4.50	4.95
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.51	4.97
	Mid	64QAM	4.50	5.00
	High	QPSK	4.51	5.02
	High	16QAM	4.51	5.01
	High	64QAM	4.50	5.00
10	Low	QPSK	8.98	9.77
	Low	16QAM	8.95	9.74
	Low	64QAM	8.96	9.82
	Mid	QPSK	9.01	9.78
	Mid	16QAM	8.96	9.78
	Mid	64QAM	8.99	9.84
	High	QPSK	8.98	9.86
	High	16QAM	8.96	9.85
	High	64QAM	8.99	9.81



15	Low	QPSK	13.43	14.63
	Low	16QAM	13.43	14.67
	Low	64QAM	13.42	14.56
	Mid	QPSK	13.49	14.64
	Mid	16QAM	13.48	14.74
	Mid	64QAM	13.47	14.76
	High	QPSK	13.46	14.58
	High	16QAM	13.45	14.60
	High	64QAM	13.43	14.77
20	Low	QPSK	17.97	19.47
	Low	16QAM	17.96	19.42
	Low	64QAM	17.96	19.46
	Mid	QPSK	17.96	19.50
	Mid	16QAM	18.01	19.44
	Mid	64QAM	17.98	19.54
	High	QPSK	17.87	19.37
	High	16QAM	17.89	19.34
	High	64QAM	17.87	19.43



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.29
	Low	16QAM	1.10	1.29
	Low	64QAM	1.10	1.29
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.29
	Mid	64QAM	1.10	1.28
	High	QPSK	1.10	1.29
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.29
3	Low	QPSK	2.71	2.98
	Low	16QAM	2.70	2.99
	Low	64QAM	2.71	2.99
	Mid	QPSK	2.70	2.98
	Mid	16QAM	2.70	2.99
	Mid	64QAM	2.70	2.98
	High	QPSK	2.69	2.98
	High	16QAM	2.70	2.98
	High	64QAM	2.71	2.98
5	Low	QPSK	4.51	5.04
	Low	16QAM	4.51	4.99
	Low	64QAM	4.51	5.01
	Mid	QPSK	4.50	4.99
	Mid	16QAM	4.50	4.95
	Mid	64QAM	4.50	4.97
	High	QPSK	4.50	4.97
	High	16QAM	4.50	5.00
	High	64QAM	4.50	5.02
10	Low	QPSK	9.02	9.91
	Low	16QAM	8.99	9.86
	Low	64QAM	9.00	9.87
	Mid	QPSK	8.97	9.85
	Mid	16QAM	8.94	9.80
	Mid	64QAM	8.95	9.79
	High	QPSK	8.99	9.80
	High	16QAM	8.98	9.85
	High	64QAM	9.02	9.93





LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.06
	Low	16QAM	4.52	5.04
	Low	64QAM	4.52	5.02
	Mid	QPSK	4.51	5.02
	Mid	16QAM	4.52	5.02
	Mid	64QAM	4.53	5.02
	High	QPSK	4.51	5.03
	High	16QAM	4.50	5.00
	High	64QAM	4.53	5.02
10	Low	QPSK	9.01	9.90
	Low	16QAM	8.98	9.83
	Low	64QAM	8.99	9.91
	Mid	QPSK	9.00	9.89
	Mid	16QAM	8.96	9.78
	Mid	64QAM	8.98	9.86
	High	QPSK	8.99	9.84
	High	16QAM	8.96	9.78
	High	64QAM	8.97	9.90
15	Low	QPSK	13.48	14.75
	Low	16QAM	13.48	14.78
	Low	64QAM	13.47	14.70
	Mid	QPSK	13.46	14.71
	Mid	16QAM	13.48	14.81
	Mid	64QAM	13.45	14.73
	High	QPSK	13.48	14.69
	High	16QAM	13.48	14.81
	High	64QAM	13.45	14.74
20	Low	QPSK	17.93	19.51
	Low	16QAM	17.99	19.45
	Low	64QAM	17.96	19.49
	Mid	QPSK	17.95	19.49
	Mid	16QAM	17.97	19.38
	Mid	64QAM	18.00	19.57
	High	QPSK	18.00	19.61
	High	16QAM	18.02	19.52
	High	64QAM	18.01	19.69



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.29
	Low	16QAM	1.10	1.29
	Low	64QAM	1.10	1.29
	Mid	QPSK	1.10	1.27
	Mid	16QAM	1.09	1.30
	Mid	64QAM	1.10	1.29
	High	QPSK	1.10	1.27
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.28
3	Low	QPSK	2.70	2.96
	Low	16QAM	2.70	3.00
	Low	64QAM	2.71	2.98
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.70	2.98
	Mid	64QAM	2.70	2.96
	High	QPSK	2.70	2.97
	High	16QAM	2.70	3.00
	High	64QAM	2.70	2.98
5	Low	QPSK	4.51	5.01
	Low	16QAM	4.51	5.00
	Low	64QAM	4.51	4.96
	Mid	QPSK	4.50	4.96
	Mid	16QAM	4.50	4.99
	Mid	64QAM	4.49	5.00
	High	QPSK	4.50	5.01
	High	16QAM	4.51	4.99
	High	64QAM	4.52	5.06
10	Low	QPSK	8.98	9.82
	Low	16QAM	8.95	9.73
	Low	64QAM	8.97	9.82
	Mid	QPSK	8.96	9.82
	Mid	16QAM	8.94	9.78
	Mid	64QAM	8.95	9.87
	High	QPSK	9.01	9.91
	High	16QAM	8.99	9.88
	High	64QAM	9.01	9.93



LTE Band 13				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.01
	Low	16QAM	4.52	4.99
	Low	64QAM	4.52	5.04
	Mid	QPSK	4.50	5.00
	Mid	16QAM	4.50	5.01
	Mid	64QAM	4.50	5.02
	High	QPSK	4.50	4.95
	High	16QAM	4.50	4.98
	High	64QAM	4.49	5.00
10	Mid	QPSK	9.00	9.86
	Mid	16QAM	8.96	9.72
	Mid	64QAM	8.98	9.87

LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	5.05
	Low	16QAM	4.50	4.99
	Low	64QAM	4.51	4.95
	Mid	QPSK	4.50	5.02
	Mid	16QAM	4.50	4.95
	Mid	64QAM	4.52	5.03
	High	QPSK	4.51	5.03
	High	16QAM	4.51	4.98
	High	64QAM	4.53	5.02
10	Low	QPSK	9.02	9.84
	Low	16QAM	8.96	9.82
	Low	64QAM	8.98	9.86
	Mid	QPSK	9.01	9.89
	Mid	16QAM	8.97	9.81
	Mid	64QAM	8.98	9.90
	High	QPSK	9.01	9.89
	High	16QAM	8.98	9.83
	High	64QAM	8.99	9.93



LTE Band 18				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.02
	Low	16QAM	4.51	5.04
	Low	64QAM	4.52	5.06
	Mid	QPSK	4.50	5.02
	Mid	16QAM	4.51	4.98
	Mid	64QAM	4.52	5.03
	High	QPSK	4.52	5.04
	High	16QAM	4.51	4.95
	High	64QAM	4.51	4.98



LTE Band 19				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	4.94
	Low	16QAM	4.51	5.02
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	5.02
	Mid	64QAM	4.49	4.96
	High	QPSK	4.51	5.05
	High	16QAM	4.50	4.99
	High	64QAM	4.51	4.96
10	Low	QPSK	8.97	9.83
	Low	16QAM	8.94	9.81
	Low	64QAM	8.96	9.80
	Mid	QPSK	8.93	9.56
	Mid	16QAM	8.93	9.76
	Mid	64QAM	8.95	9.80
	High	QPSK	9.01	9.90
	High	16QAM	8.97	9.82
	High	64QAM	8.97	9.86
15	Low	QPSK	13.42	14.68
	Low	16QAM	13.45	14.54
	Low	64QAM	13.42	14.67
	Mid	QPSK	13.46	14.71
	Mid	16QAM	13.42	14.63
	Mid	64QAM	13.40	14.65
	High	QPSK	13.44	14.70
	High	16QAM	13.42	14.64
	High	64QAM	13.40	14.65



LTE Band 25				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.30
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.29
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.30
	Mid	64QAM	1.10	1.28
	High	QPSK	1.10	1.28
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.30
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	3.01
	Low	64QAM	2.70	2.97
	Mid	QPSK	2.70	3.01
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.70	2.97
	High	QPSK	2.70	2.96
	High	16QAM	2.70	2.98
	High	64QAM	2.71	2.98
5	Low	QPSK	4.50	5.05
	Low	16QAM	4.51	5.00
	Low	64QAM	4.51	5.00
	Mid	QPSK	4.50	5.04
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.51	4.98
	High	QPSK	4.51	5.01
	High	16QAM	4.51	5.01
	High	64QAM	4.51	5.05
10	Low	QPSK	8.99	9.93
	Low	16QAM	8.96	9.80
	Low	64QAM	8.98	9.90
	Mid	QPSK	8.98	9.86
	Mid	16QAM	8.95	9.80
	Mid	64QAM	8.97	9.90
	High	QPSK	9.02	9.89
	High	16QAM	8.99	9.89
	High	64QAM	9.01	9.87



15	Low	QPSK	13.51	14.80
	Low	16QAM	13.49	14.80
	Low	64QAM	13.48	14.62
	Mid	QPSK	13.45	14.65
	Mid	16QAM	13.45	14.58
	Mid	64QAM	13.41	14.67
	High	QPSK	13.49	14.62
	High	16QAM	13.46	14.74
	High	64QAM	13.46	14.54
20	Low	QPSK	17.99	19.57
	Low	16QAM	18.02	19.45
	Low	64QAM	17.99	19.62
	Mid	QPSK	17.93	19.49
	Mid	16QAM	17.94	19.46
	Mid	64QAM	17.94	19.36
	High	QPSK	17.89	19.37
	High	16QAM	17.91	19.39
	High	64QAM	17.89	19.29



LTE Band 26				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.27
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.29
	Mid	QPSK	1.10	1.27
	Mid	16QAM	1.10	1.31
	Mid	64QAM	1.10	1.30
	High	QPSK	1.10	1.31
	High	16QAM	1.11	1.27
	High	64QAM	1.10	1.29
3	Low	QPSK	2.70	2.98
	Low	16QAM	2.71	2.98
	Low	64QAM	2.71	2.96
	Mid	QPSK	2.70	2.98
	Mid	16QAM	2.70	2.98
	Mid	64QAM	2.71	2.98
	High	QPSK	2.69	2.99
	High	16QAM	2.70	3.00
	High	64QAM	2.71	2.97
5	Low	QPSK	4.51	5.03
	Low	16QAM	4.51	4.96
	Low	64QAM	4.52	5.02
	Mid	QPSK	4.50	5.00
	Mid	16QAM	4.49	4.99
	Mid	64QAM	4.50	4.99
	High	QPSK	4.50	5.00
	High	16QAM	4.49	4.97
	High	64QAM	4.51	4.97
10	Low	QPSK	9.01	9.84
	Low	16QAM	8.99	9.86
	Low	64QAM	9.03	9.94
	Mid	QPSK	8.97	9.89
	Mid	16QAM	8.94	9.83
	Mid	64QAM	8.96	9.80
	High	QPSK	9.01	9.97
	High	16QAM	8.99	9.90
	High	64QAM	9.00	9.89





15	Low	QPSK	13.53	14.69
	Low	16QAM	13.51	14.76
	Low	64QAM	13.48	14.74
	Mid	QPSK	13.40	14.61
	Mid	16QAM	13.42	14.62
	Mid	64QAM	13.40	14.69
	High	QPSK	13.48	14.78
	High	16QAM	13.47	14.69
	High	64QAM	13.46	14.71

LTE Band 30				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	5.04
	Low	16QAM	4.51	5.00
	Low	64QAM	4.50	4.99
	Mid	QPSK	4.50	5.01
	Mid	16QAM	4.50	4.98
	Mid	64QAM	4.51	4.95
	High	QPSK	4.50	5.03
	High	16QAM	4.51	4.98
	High	64QAM	4.51	4.99
10	Mid	QPSK	8.97	9.79
	Mid	16QAM	8.93	9.82
	Mid	64QAM	8.95	9.84



LTE Band 38				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.15
	Low	16QAM	4.51	5.08
	Low	64QAM	4.51	5.15
	Mid	QPSK	4.52	5.03
	Mid	16QAM	4.51	5.18
	Mid	64QAM	4.52	5.23
	High	QPSK	4.52	5.05
	High	16QAM	4.51	5.38
	High	64QAM	4.52	5.17
10	Low	QPSK	8.99	10.48
	Low	16QAM	8.98	10.11
	Low	64QAM	8.97	9.92
	Mid	QPSK	8.98	10.29
	Mid	16QAM	8.98	10.26
	Mid	64QAM	8.97	9.91
	High	QPSK	9.00	10.05
	High	16QAM	8.97	10.02
	High	64QAM	8.97	9.91
15	Low	QPSK	13.50	14.62
	Low	16QAM	13.45	14.76
	Low	64QAM	13.46	14.97
	Mid	QPSK	13.48	14.89
	Mid	16QAM	13.50	14.56
	Mid	64QAM	13.44	14.81
	High	QPSK	13.48	14.69
	High	16QAM	13.47	14.86
	High	64QAM	13.44	14.74
20	Low	QPSK	17.93	19.51
	Low	16QAM	17.94	19.62
	Low	64QAM	17.94	20.27
	Mid	QPSK	17.98	19.89
	Mid	16QAM	17.94	20.53
	Mid	64QAM	17.96	19.76
	High	QPSK	17.98	19.48
	High	16QAM	17.97	20.47
	High	64QAM	17.96	20.17



LTE Band 40, Block A				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.37
	Low	16QAM	4.52	5.08
	Low	64QAM	4.52	5.03
	Mid	QPSK	4.51	5.05
	Mid	16QAM	4.50	5.11
	Mid	64QAM	4.53	4.98
	High	QPSK	4.51	5.09
	High	16QAM	4.51	5.06
	High	64QAM	4.52	4.94
10	Mid	QPSK	9.00	9.85
	Mid	16QAM	8.98	10.26
	Mid	64QAM	8.98	9.95

LTE Band 40, Block B				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.99
	Low	16QAM	4.50	5.09
	Low	64QAM	4.52	5.14
	Mid	QPSK	4.51	5.21
	Mid	16QAM	4.51	5.14
	Mid	64QAM	4.53	5.26
	High	QPSK	4.52	5.07
	High	16QAM	4.51	5.10
	High	64QAM	4.51	5.24
10	Mid	QPSK	8.97	9.93
	Mid	16QAM	8.98	9.82
	Mid	64QAM	8.99	9.89



LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.91
	Low	16QAM	4.50	5.02
	Low	64QAM	4.50	4.94
	Mid	QPSK	4.51	5.02
	Mid	16QAM	4.51	4.93
	Mid	64QAM	4.50	4.95
	High	QPSK	4.51	5.03
	High	16QAM	4.52	5.02
	High	64QAM	4.50	4.95
10	Low	QPSK	8.98	9.81
	Low	16QAM	8.97	10.47
	Low	64QAM	8.98	10.48
	Mid	QPSK	9.00	9.78
	Mid	16QAM	8.97	10.16
	Mid	64QAM	8.99	9.90
	High	QPSK	8.99	9.97
	High	16QAM	8.98	10.35
	High	64QAM	8.99	10.28
15	Low	QPSK	13.46	14.69
	Low	16QAM	13.48	14.86
	Low	64QAM	13.49	14.74
	Mid	QPSK	13.45	14.64
	Mid	16QAM	13.50	14.85
	Mid	64QAM	13.47	14.71
	High	QPSK	13.50	14.61
	High	16QAM	13.47	14.74
	High	64QAM	13.48	14.87
20	Low	QPSK	18.02	19.47
	Low	16QAM	17.95	19.92
	Low	64QAM	17.97	19.99
	Mid	QPSK	17.98	19.73
	Mid	16QAM	17.96	20.52
	Mid	64QAM	17.92	20.04
	High	QPSK	17.99	19.70
	High	16QAM	17.96	20.79
	High	64QAM	17.97	19.37



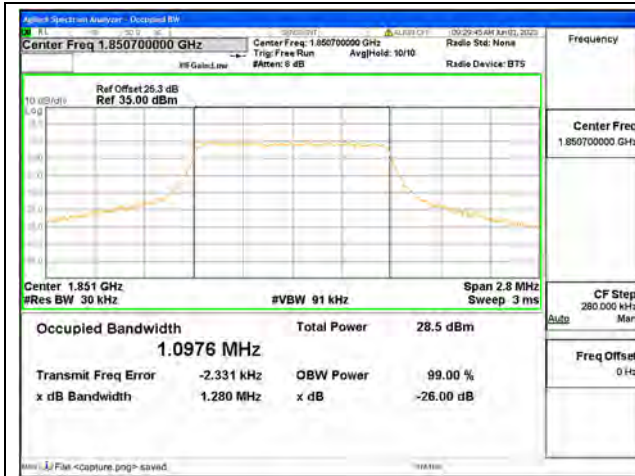
LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.28
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.31
	Mid	QPSK	1.10	1.30
	Mid	16QAM	1.10	1.29
	Mid	64QAM	1.10	1.30
	High	QPSK	1.10	1.30
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.31
3	Low	QPSK	2.69	2.98
	Low	16QAM	2.67	2.93
	Low	64QAM	2.71	2.98
	Mid	QPSK	2.70	2.97
	Mid	16QAM	2.70	2.99
	Mid	64QAM	2.70	3.00
	High	QPSK	2.70	2.97
	High	16QAM	2.71	2.99
	High	64QAM	2.70	2.96
5	Low	QPSK	4.50	5.01
	Low	16QAM	4.49	4.97
	Low	64QAM	4.51	5.01
	Mid	QPSK	4.49	5.02
	Mid	16QAM	4.49	5.02
	Mid	64QAM	4.51	4.99
	High	QPSK	4.51	5.01
	High	16QAM	4.51	4.98
	High	64QAM	4.52	4.98
10	Low	QPSK	8.96	9.87
	Low	16QAM	8.93	9.78
	Low	64QAM	8.94	9.84
	Mid	QPSK	8.98	9.85
	Mid	16QAM	8.93	9.86
	Mid	64QAM	8.97	9.79
	High	QPSK	8.99	9.81
	High	16QAM	8.95	9.79
	High	64QAM	8.99	9.86



15	Low	QPSK	13.43	14.62
	Low	16QAM	13.42	14.62
	Low	64QAM	13.41	14.52
	Mid	QPSK	13.45	14.63
	Mid	16QAM	13.42	14.62
	Mid	64QAM	13.39	14.77
	High	QPSK	13.45	14.63
	High	16QAM	13.41	14.60
	High	64QAM	13.40	14.73
20	Low	QPSK	17.93	19.45
	Low	16QAM	17.96	19.56
	Low	64QAM	17.95	19.50
	Mid	QPSK	17.90	19.24
	Mid	16QAM	17.89	19.30
	Mid	64QAM	17.88	19.44
	High	QPSK	17.85	19.40
	High	16QAM	17.86	19.32
	High	64QAM	17.84	19.41



LTE Band 71				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	5.01
	Low	16QAM	4.49	5.00
	Low	64QAM	4.51	4.98
	Mid	QPSK	4.50	5.03
	Mid	16QAM	4.50	4.96
	Mid	64QAM	4.50	5.00
	High	QPSK	4.50	5.02
	High	16QAM	4.51	5.02
	High	64QAM	4.52	5.00
10	Low	QPSK	8.96	9.82
	Low	16QAM	8.95	9.76
	Low	64QAM	8.97	9.87
	Mid	QPSK	8.97	9.83
	Mid	16QAM	8.96	9.79
	Mid	64QAM	8.96	9.83
	High	QPSK	9.00	9.90
	High	16QAM	8.98	9.87
	High	64QAM	9.00	9.88
15	Low	QPSK	13.45	14.65
	Low	16QAM	13.48	14.71
	Low	64QAM	13.45	14.68
	Mid	QPSK	13.43	14.62
	Mid	16QAM	13.42	14.59
	Mid	64QAM	13.37	14.73
	High	QPSK	13.53	14.79
	High	16QAM	13.52	14.74
	High	64QAM	13.52	14.84
20	Low	QPSK	17.95	18.97
	Low	16QAM	17.99	19.40
	Low	64QAM	17.94	19.46
	Mid	QPSK	17.88	19.45
	Mid	16QAM	17.90	19.35
	Mid	64QAM	17.89	19.40
	High	QPSK	18.01	19.50
	High	16QAM	18.01	19.49
	High	64QAM	18.03	19.49



Band2 / 1.4MHz / QPSK/ Low CH



Band2 / 1.4MHz / 16QAM/ Low CH



Band2 / 1.4MHz / 64QAM/ Low CH



Band2 / 1.4MHz / QPSK/ Mid CH



Band2 / 1.4MHz / 16QAM/ Mid CH



Band2 / 1.4MHz / 64QAM/ Mid CH





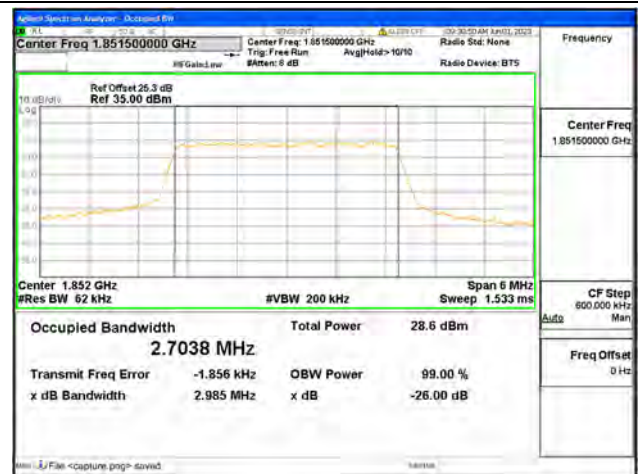
Band2 / 1.4MHz / QPSK/ High CH



Band2 / 1.4MHz / 16QAM/ High CH



Band2 / 1.4MHz / 64QAM/ High CH



Band2 / 3MHz / QPSK/ Low CH



Band2 / 3MHz / 16QAM/ Low CH



Band2 / 3MHz / 64QAM/ Low CH



Band2 / 3MHz / QPSK/ Mid CH



Band2 / 3MHz / 16QAM/ Mid CH



Band2 / 3MHz / 64QAM/ Mid CH



Band2 / 3MHz / QPSK/ High CH



Band2 / 3MHz / 16QAM/ High CH



Band2 / 3MHz / 64QAM/ High CH



Band2 / 5MHz / QPSK/ Low CH



Band2 / 5MHz / 16QAM/ Low CH



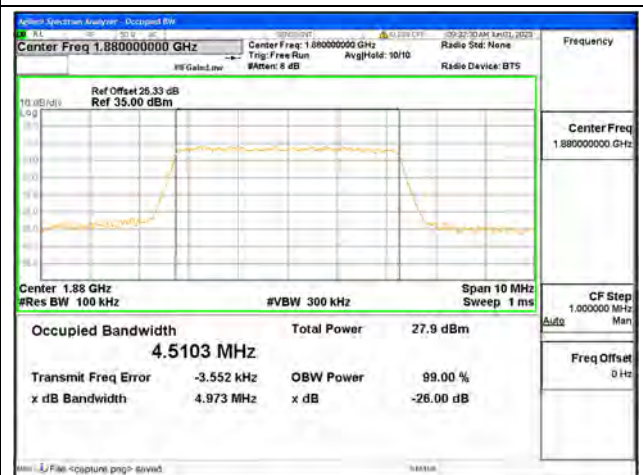
Band2 / 5MHz / 64QAM/ Low CH



Band2 / 5MHz / QPSK/ Mid CH



Band2 / 5MHz / 16QAM/ Mid CH



Band2 / 5MHz / 64QAM/ Mid CH



Band2 / 5MHz / QPSK/ High CH



Band2 / 5MHz / 16QAM/ High CH



Band2 / 5MHz / 64QAM/ High CH



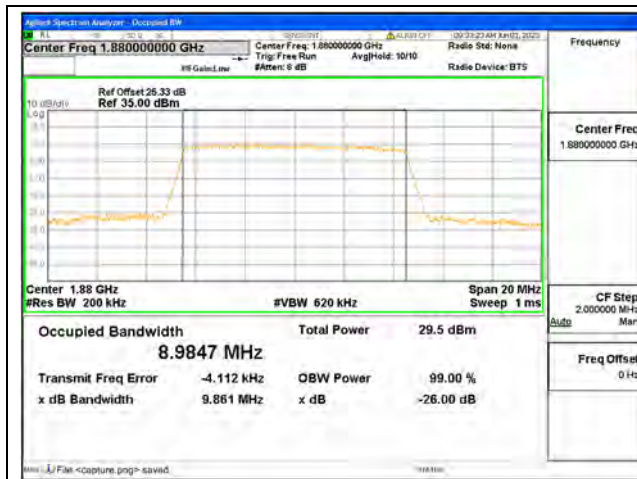
Band2 / 10MHz / QPSK/ Low CH



Band2 / 10MHz / 16QAM/ Low CH



Band2 / 10MHz / 64QAM/ Low CH



Band2 / 10MHz / QPSK/ Mid CH



Band2 / 10MHz / 16QAM/ Mid CH



Band2 / 10MHz / 64QAM/ Mid CH



Band2 / 10MHz / QPSK/ High CH



Band2 / 10MHz / 16QAM/ High CH



Band2 / 10MHz / 64QAM/ High CH



Band2 / 15MHz / QPSK/ Low CH



Band2 / 15MHz / 16QAM/ Low CH



Band2 / 15MHz / 64QAM/ Low CH



Band2 / 15MHz / QPSK/ Mid CH



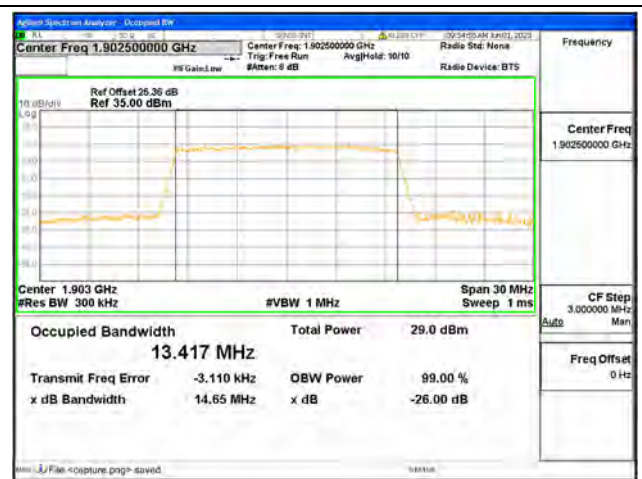
Band2 / 15MHz / 16QAM/ Mid CH



Band2 / 15MHz / 64QAM/ Mid CH



Band2 / 15MHz / QPSK/ High CH



Band2 / 15MHz / 16QAM/ High CH



Band2 / 15MHz / 64QAM/ High CH



Band2 / 20MHz / QPSK/ Low CH



Band2 / 20MHz / 16QAM/ Low CH



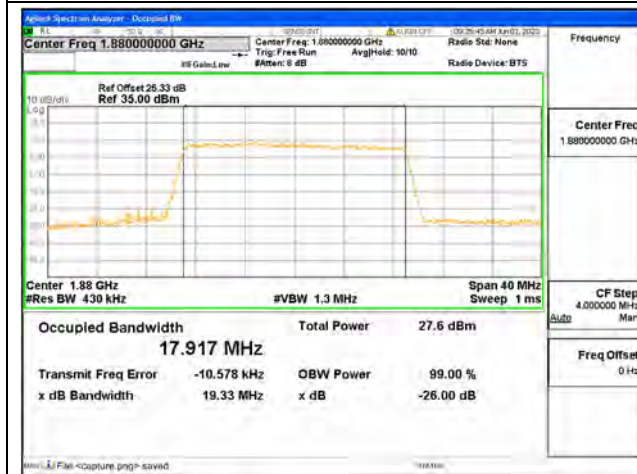
Band2 / 20MHz / 64QAM/ Low CH



Band2 / 20MHz / QPSK / Mid CH



Band2 / 20MHz / 16QAM / Mid CH



Band2 / 20MHz / 64QAM / Mid CH



Band2 / 20MHz / QPSK / High CH



Band2 / 20MHz / 16QAM / High CH

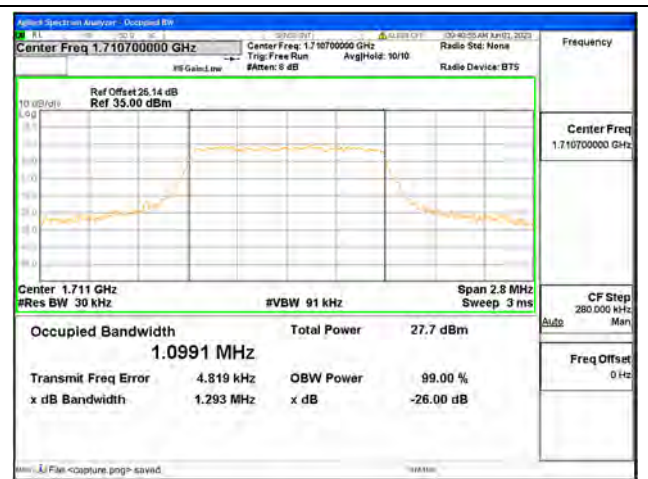


Band2 / 20MHz / 64QAM / High CH

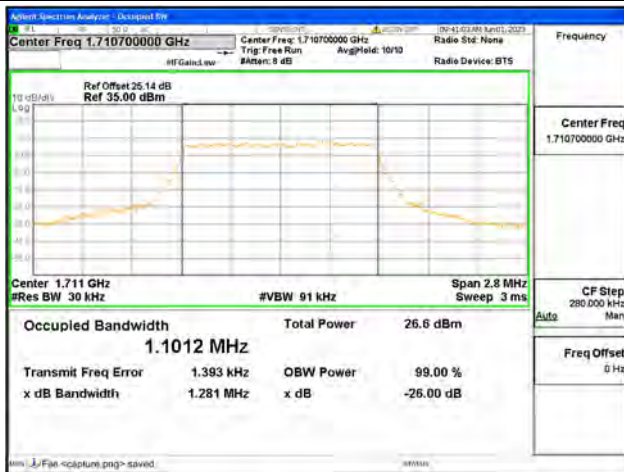




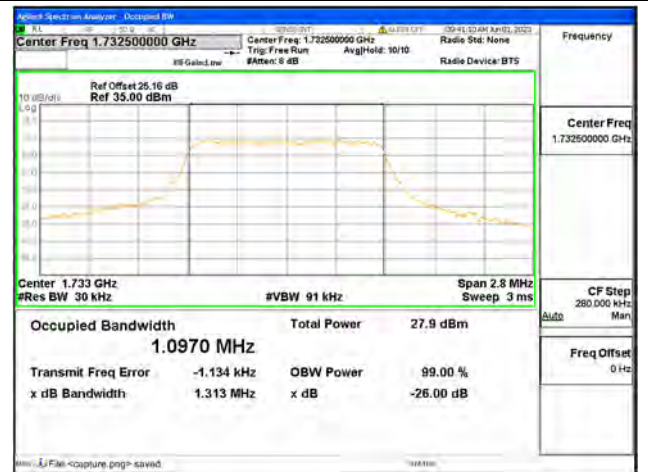
Band4 / 1.4MHz / QPSK/ Low CH



Band4 / 1.4MHz / 16QAM/ Low CH



Band4 / 1.4MHz / 64QAM/ Low CH



Band4 / 1.4MHz / QPSK/ Mid CH



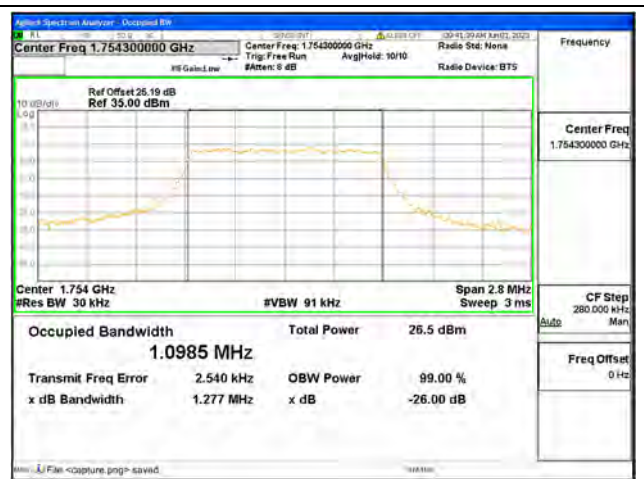
Band4 / 1.4MHz / 16QAM/ Mid CH



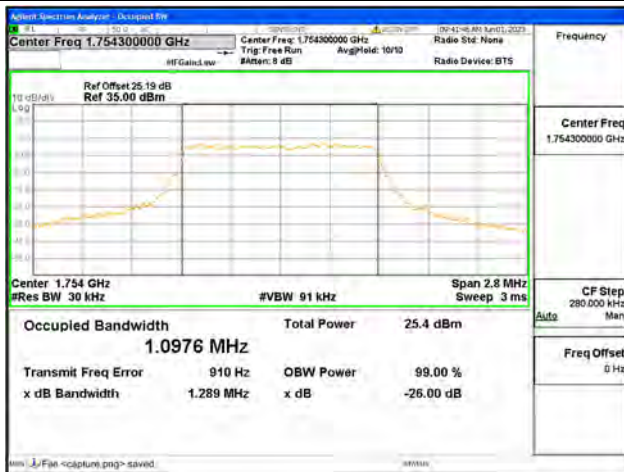
Band4 / 1.4MHz / 64QAM/ Mid CH



Band4 / 1.4MHz / QPSK/ High CH



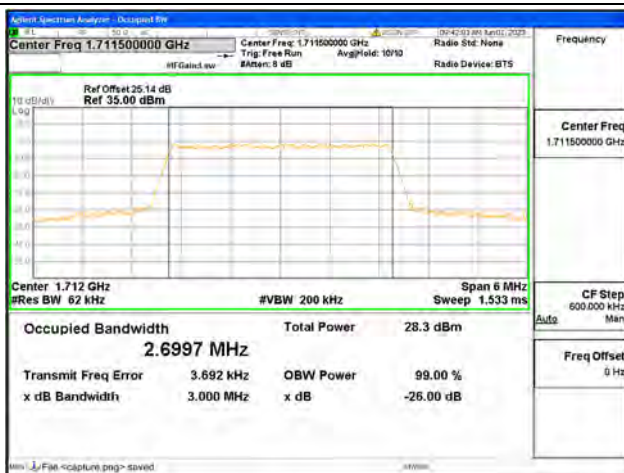
Band4 / 1.4MHz / 16QAM/ High CH



Band4 / 1.4MHz / 64QAM/ High CH



Band4 / 3MHz / QPSK/ Low CH



Band4 / 3MHz / 16QAM/ Low CH



Band4 / 3MHz / 64QAM/ Low CH



Band4 / 3MHz / QPSK/ Mid CH



Band4 / 3MHz / 16QAM/ Mid CH



Band4 / 3MHz / 64QAM/ Mid CH



Band4 / 3MHz / QPSK/ High CH



Band4 / 3MHz / 16QAM/ High CH



Band4 / 3MHz / 64QAM/ High CH



Band4 / 5MHz / QPSK/ Low CH



Band4 / 5MHz / 16QAM/ Low CH



Band4 / 5MHz / 64QAM/ Low CH



Band4 / 5MHz / QPSK/ Mid CH



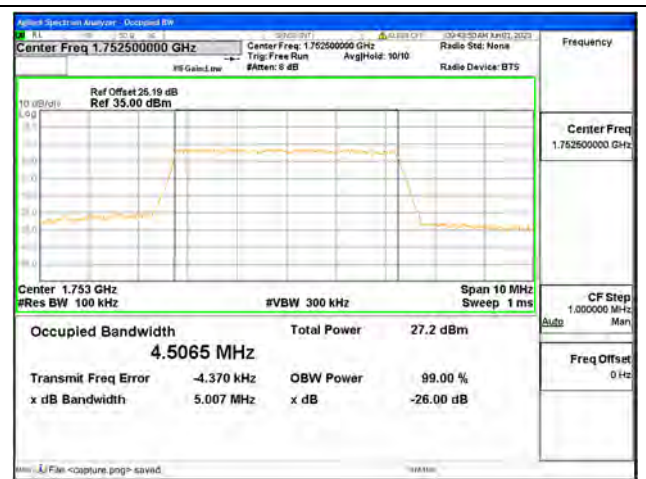
Band4 / 5MHz / 16QAM/ Mid CH



Band4 / 5MHz / 64QAM/ Mid CH



Band4 / 5MHz / QPSK/ High CH



Band4 / 5MHz / 16QAM/ High CH



Band4 / 5MHz / 64QAM/ High CH



Band4 / 10MHz / QPSK/ Low CH



Band4 / 10MHz / 16QAM/ Low CH



Band4 / 10MHz / 64QAM/ Low CH



Band4 / 10MHz / QPSK/ Mid CH



Band4 / 10MHz / 16QAM/ Mid CH



Band4 / 10MHz / 64QAM/ Mid CH



Band4 / 10MHz / QPSK/ High CH



Band4 / 10MHz / 16QAM/ High CH



Band4 / 10MHz / 64QAM/ High CH



Band4 / 15MHz / QPSK/ Low CH



Band4 / 15MHz / 16QAM/ Low CH



Band4 / 15MHz / 64QAM/ Low CH



Band4 / 15MHz / QPSK/ Mid CH



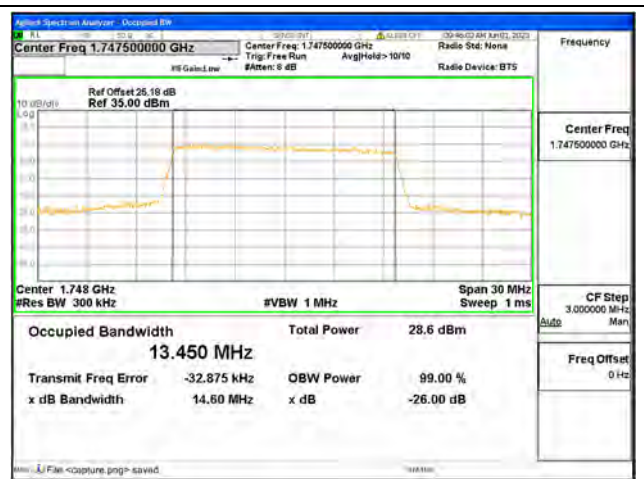
Band4 / 15MHz / 16QAM/ Mid CH



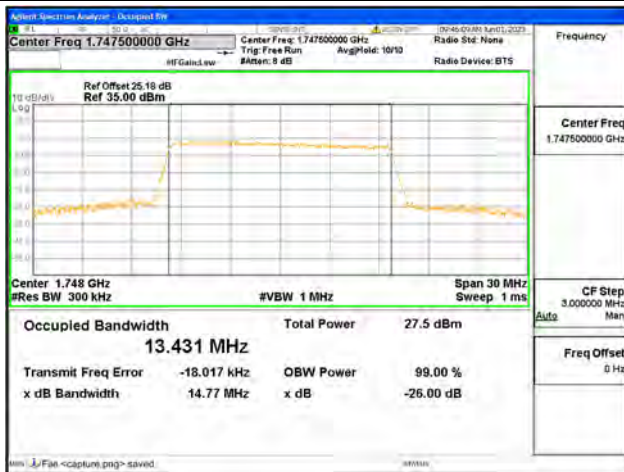
Band4 / 15MHz / 64QAM/ Mid CH



Band4 / 15MHz / QPSK/ High CH



Band4 / 15MHz / 16QAM/ High CH



Band4 / 15MHz / 64QAM/ High CH



Band4 / 20MHz / QPSK/ Low CH



Band4 / 20MHz / 16QAM/ Low CH



Band4 / 20MHz / 64QAM/ Low CH





Band4 / 20MHz / QPSK/ Mid CH



Band4 / 20MHz / 16QAM/ Mid CH



Band4 / 20MHz / 64QAM/ Mid CH



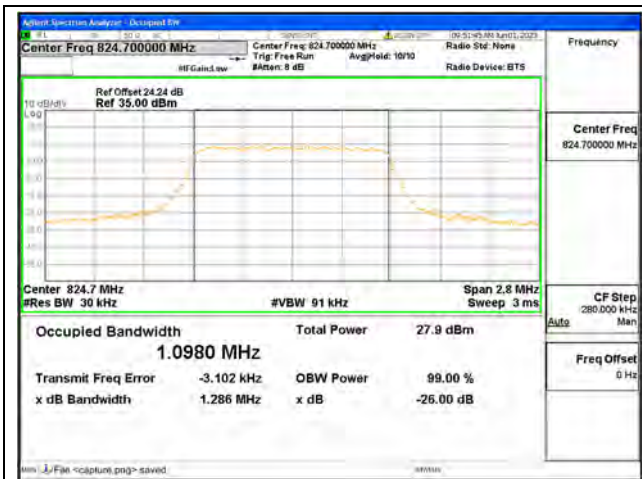
Band4 / 20MHz / QPSK/ High CH



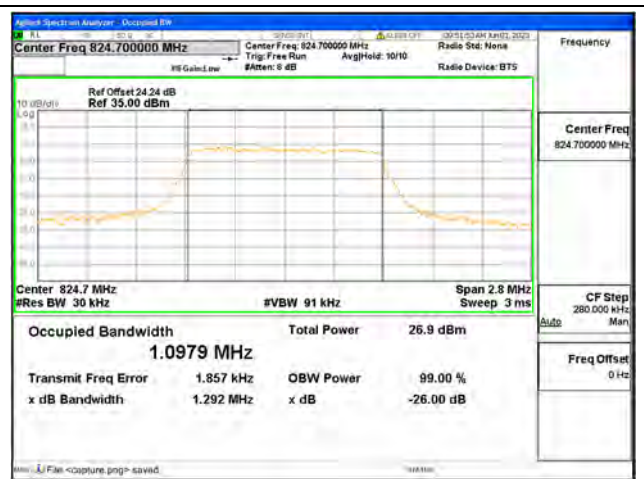
Band4 / 20MHz / 16QAM/ High CH



Band4 / 20MHz / 64QAM/ High CH



Band5 / 1.4MHz / QPSK/ Low CH



Band5 / 1.4MHz / 16QAM/ Low CH



Band5 / 1.4MHz / 64QAM/ Low CH



Band5 / 1.4MHz / QPSK/ Mid CH



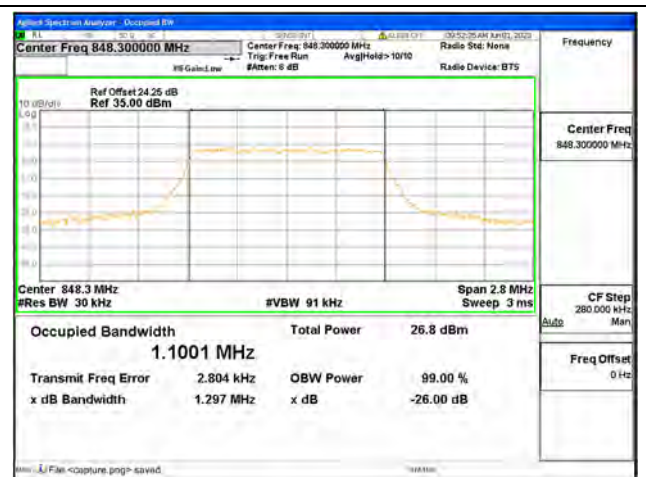
Band5 / 1.4MHz / 16QAM/ Mid CH



Band5 / 1.4MHz / 64QAM/ Mid CH



Band5 / 1.4MHz / QPSK/ High CH



Band5 / 1.4MHz / 16QAM/ High CH



Band5 / 1.4MHz / 64QAM/ High CH



Band5 / 3MHz / QPSK/ Low CH



Band5 / 3MHz / 16QAM/ Low CH



Band5 / 3MHz / 64QAM/ Low CH



Band5 / 3MHz / QPSK/ Mid CH



Band5 / 3MHz / 16QAM/ Mid CH



Band5 / 3MHz / 64QAM/ Mid CH



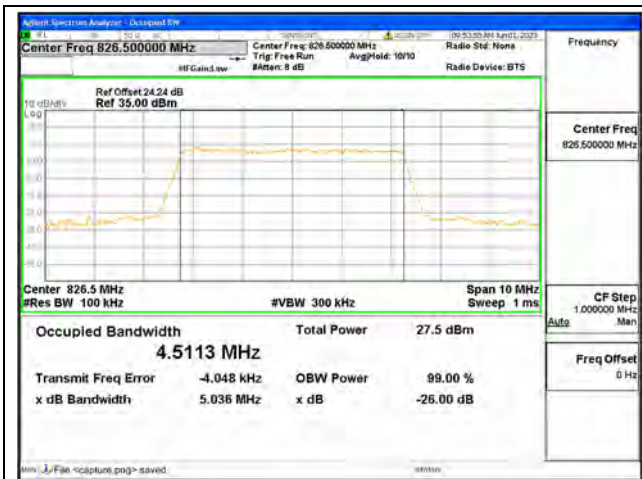
Band5 / 3MHz / QPSK/ High CH



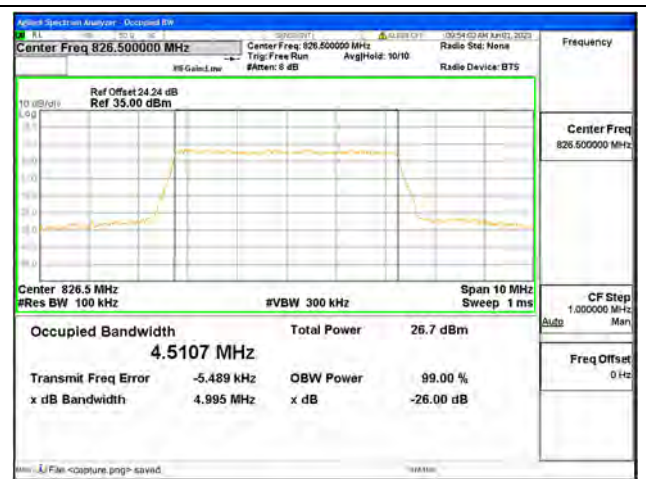
Band5 / 3MHz / 16QAM/ High CH



Band5 / 3MHz / 64QAM/ High CH



Band5 / 5MHz / QPSK/ Low CH



Band5 / 5MHz / 16QAM/ Low CH



Band5 / 5MHz / 64QAM/ Low CH



Band5 / 5MHz / QPSK/ Mid CH



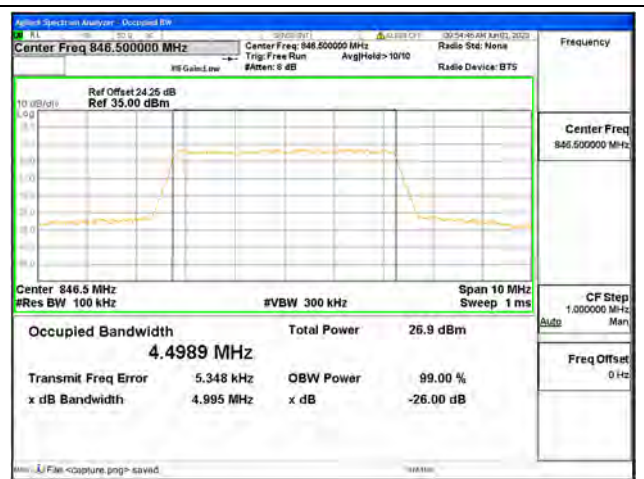
Band5 / 5MHz / 16QAM/ Mid CH



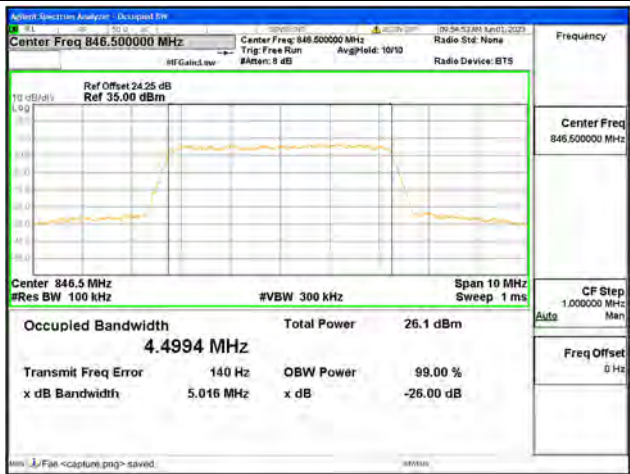
Band5 / 5MHz / 64QAM/ Mid CH



Band5 / 5MHz / QPSK/ High CH



Band5 / 5MHz / 16QAM/ High CH



Band5 / 5MHz / 64QAM/ High CH



Band5 / 10MHz / QPSK/ Low CH



Band5 / 10MHz / 16QAM/ Low CH



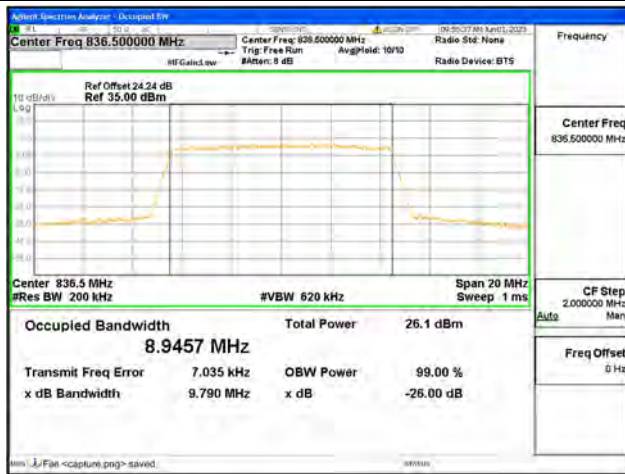
Band5 / 10MHz / 64QAM/ Low CH



Band5 / 10MHz / QPSK/ Mid CH



Band5 / 10MHz / 16QAM/ Mid CH



Band5 / 10MHz / 64QAM/ Mid CH



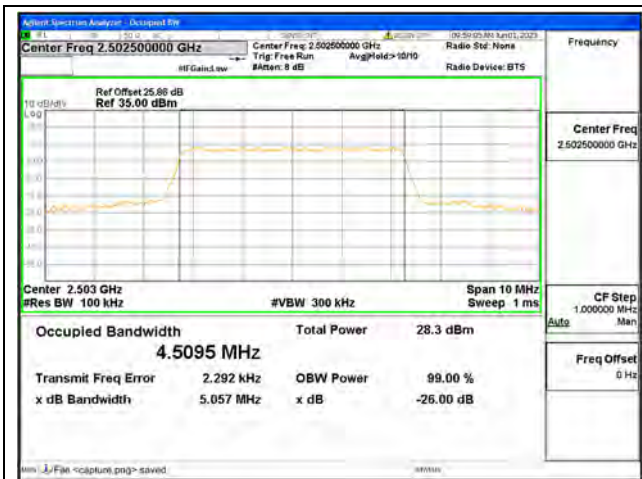
Band5 / 10MHz / QPSK/ High CH



Band5 / 10MHz / 16QAM/ High CH



Band5 / 10MHz / 64QAM/ High CH



Band7 / 5MHz / QPSK/ Low CH



Band7 / 5MHz / 16QAM/ Low CH



Band7 / 5MHz / 64QAM/ Low CH



Band7 / 5MHz / QPSK/ Mid CH



Band7 / 5MHz / 16QAM/ Mid CH



Band7 / 5MHz / 64QAM/ Mid CH





Band7 / 5MHz / QPSK/ High CH



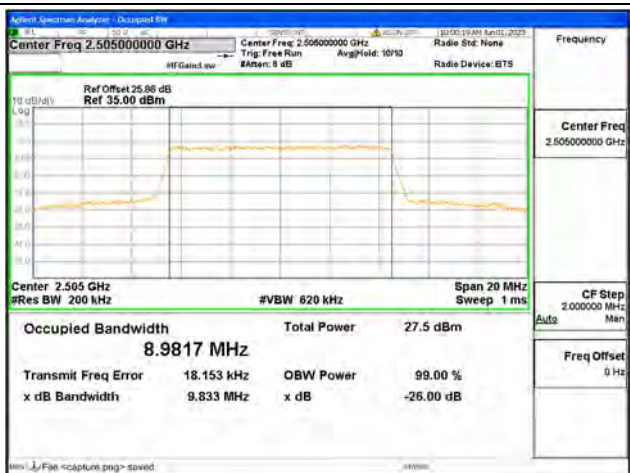
Band7 / 5MHz / 16QAM/ High CH



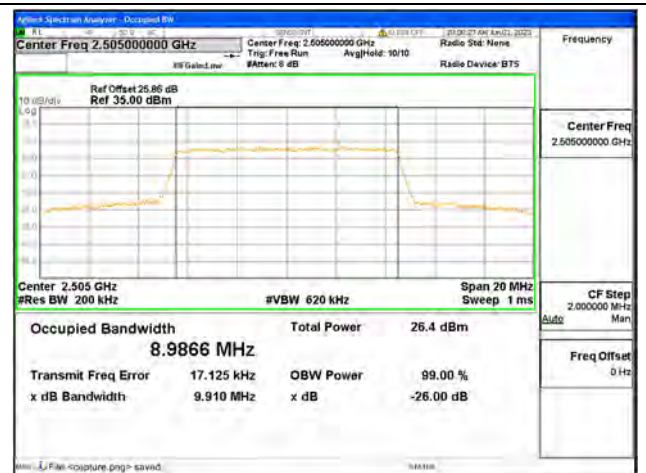
Band7 / 5MHz / 64QAM/ High CH



Band7 / 10MHz / QPSK/ Low CH



Band7 / 10MHz / 16QAM/ Low CH



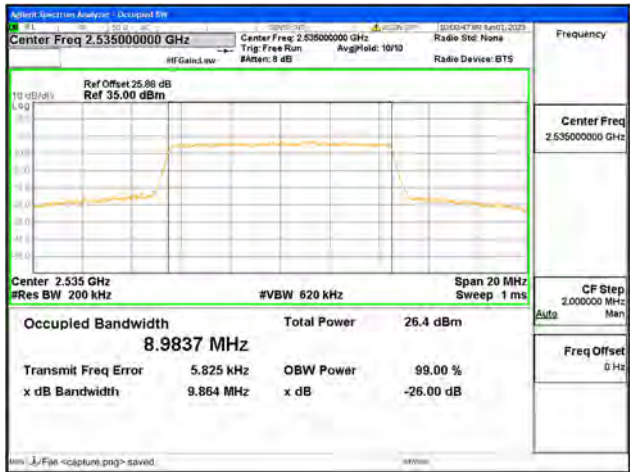
Band7 / 10MHz / 64QAM/ Low CH



Band7 / 10MHz / QPSK/ Mid CH



Band7 / 10MHz / 16QAM/ Mid CH



Band7 / 10MHz / 64QAM/ Mid CH



Band7 / 10MHz / QPSK/ High CH



Band7 / 10MHz / 16QAM/ High CH



Band7 / 10MHz / 64QAM/ High CH



Band7 / 15MHz / QPSK/ Low CH



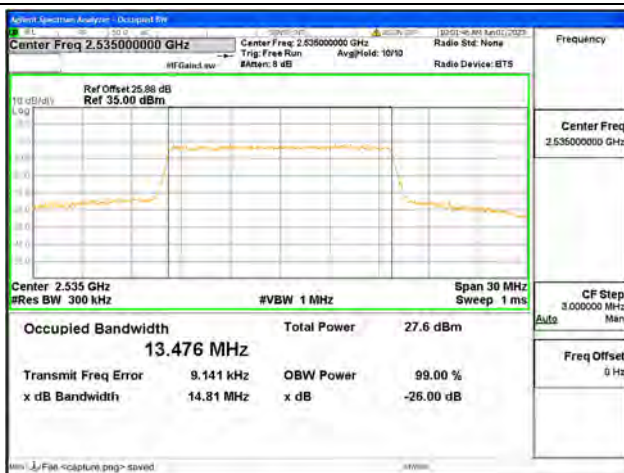
Band7 / 15MHz / 16QAM/ Low CH



Band7 / 15MHz / 64QAM/ Low CH



Band7 / 15MHz / QPSK/ Mid CH



Band7 / 15MHz / 16QAM/ Mid CH



Band7 / 15MHz / 64QAM/ Mid CH



Band7 / 15MHz / QPSK/ High CH



Band7 / 15MHz / 16QAM/ High CH



Band7 / 15MHz / 64QAM/ High CH



Band7 / 20MHz / QPSK/ Low CH



Band7 / 20MHz / 16QAM/ Low CH



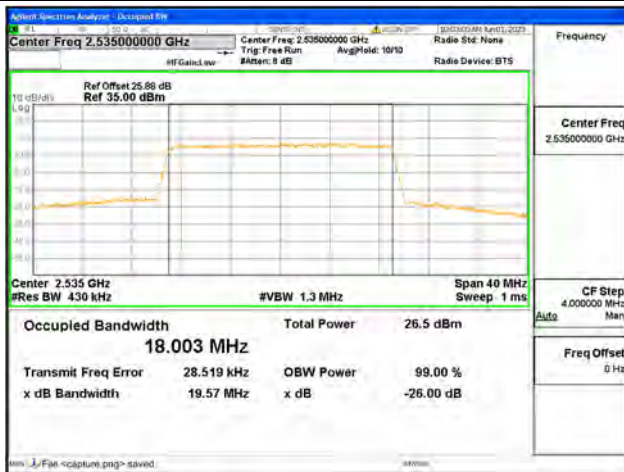
Band7 / 20MHz / 64QAM/ Low CH



Band7 / 20MHz / QPSK/ Mid CH



Band7 / 20MHz / 16QAM/ Mid CH



Band7 / 20MHz / 64QAM/ Mid CH



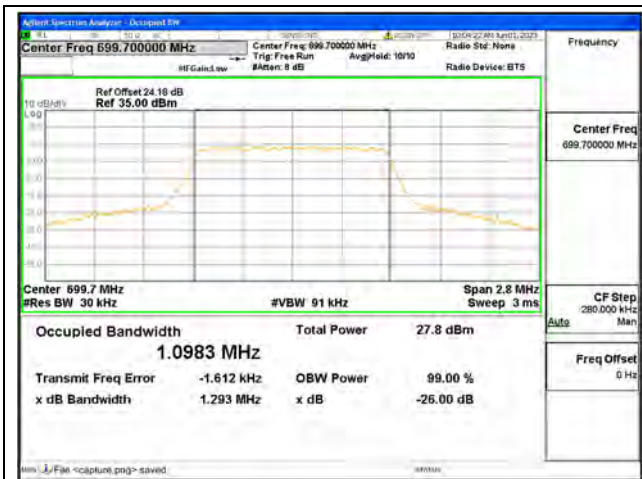
Band7 / 20MHz / QPSK/ High CH



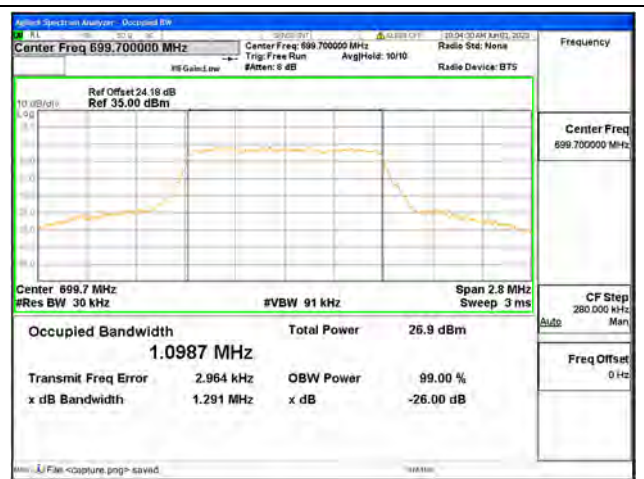
Band7 / 20MHz / 16QAM/ High CH



Band7 / 20MHz / 64QAM/ High CH



Band12 / 1.4MHz / QPSK/ Low CH



Band12 / 1.4MHz / 16QAM/ Low CH



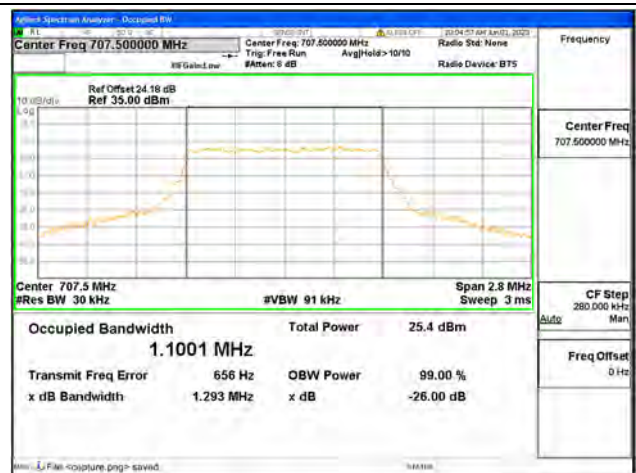
Band12 / 1.4MHz / 64QAM/ Low CH



Band12 / 1.4MHz / QPSK/ Mid CH



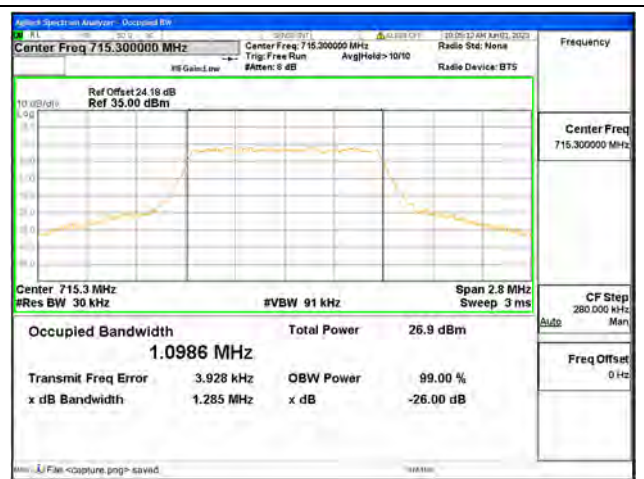
Band12 / 1.4MHz / 16QAM/ Mid CH



Band12 / 1.4MHz / 64QAM/ Mid CH



Band12 / 1.4MHz / QPSK/ High CH



Band12 / 1.4MHz / 16QAM/ High CH



Band12 / 1.4MHz / 64QAM/ High CH



Band12 / 3MHz / QPSK/ Low CH



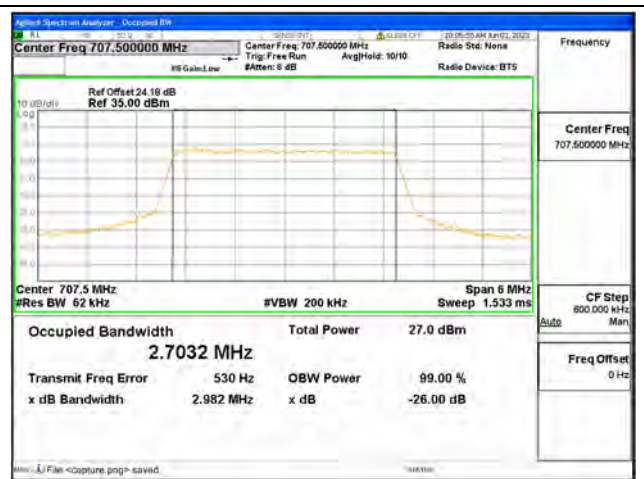
Band12 / 3MHz / 16QAM/ Low CH



Band12 / 3MHz / 64QAM/ Low CH



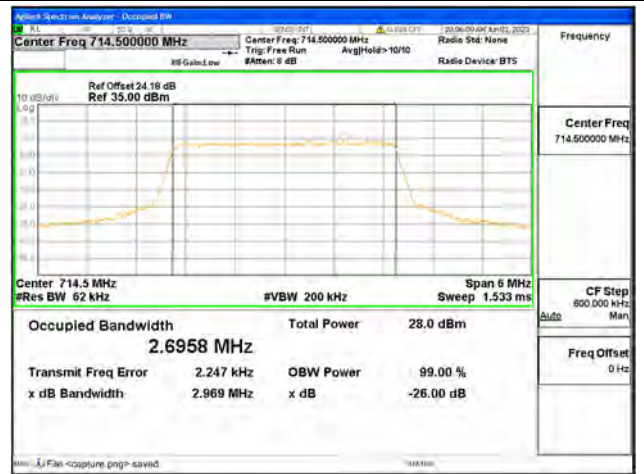
Band12 / 3MHz / QPSK/ Mid CH



Band12 / 3MHz / 16QAM/ Mid CH



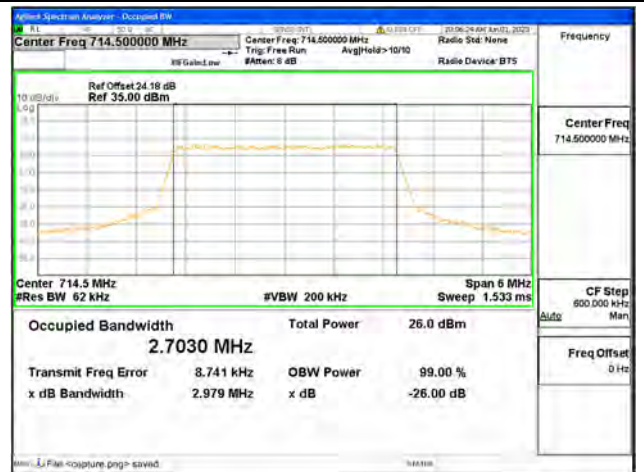
Band12 / 3MHz / 64QAM/ Mid CH



Band12 / 3MHz / QPSK/ High CH

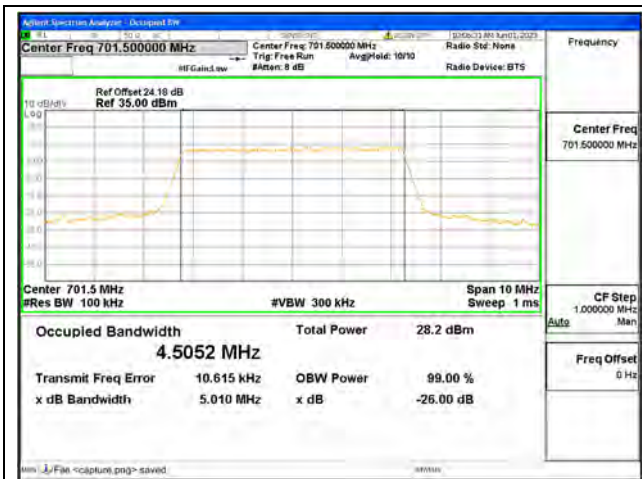


Band12 / 3MHz / 16QAM/ High CH

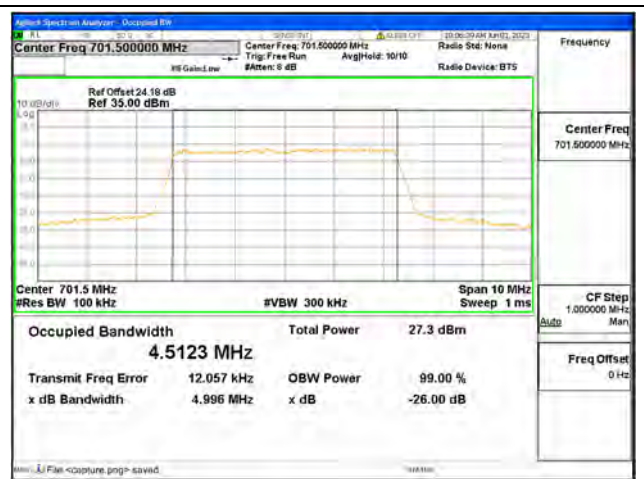


Band12 / 3MHz / 64QAM/ High CH





Band12 / 5MHz / QPSK/ Low CH



Band12 / 5MHz / 16QAM/ Low CH



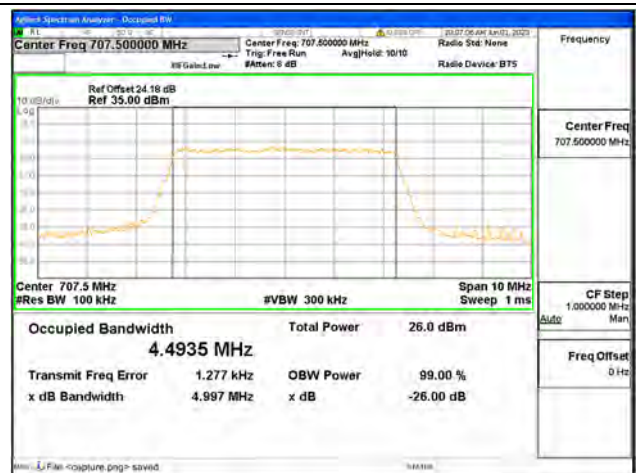
Band12 / 5MHz / 64QAM/ Low CH



Band12 / 5MHz / QPSK/ Mid CH



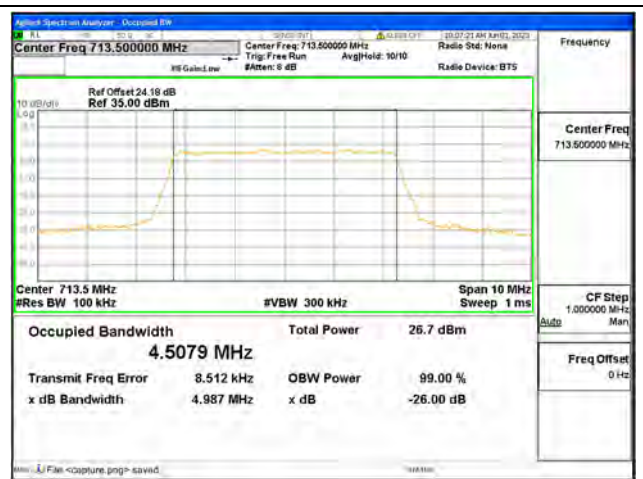
Band12 / 5MHz / 16QAM/ Mid CH



Band12 / 5MHz / 64QAM/ Mid CH



Band12 / 5MHz / QPSK/ High CH



Band12 / 5MHz / 16QAM/ High CH



Band12 / 5MHz / 64QAM/ High CH



Band12 / 10MHz / QPSK/ Low CH



Band12 / 10MHz / 16QAM/ Low CH



Band12 / 10MHz / 64QAM/ Low CH



Band12 / 10MHz / QPSK/ Mid CH



Band12 / 10MHz / 16QAM/ Mid CH



Band12 / 10MHz / 64QAM/ Mid CH



Band12 / 10MHz / QPSK/ High CH



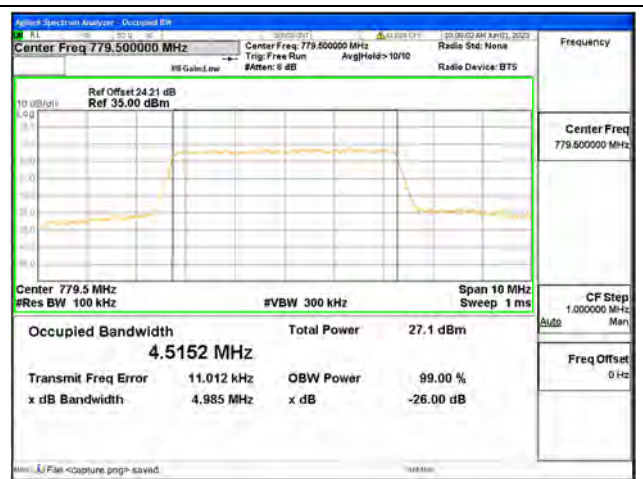
Band12 / 10MHz / 16QAM/ High CH



Band12 / 10MHz / 64QAM/ High CH



Band13 / 5MHz / QPSK/ Low CH



Band13 / 5MHz / 16QAM/ Low CH



Band13 / 5MHz / 64QAM/ Low CH



Band13 / 5MHz / QPSK/ Mid CH



Band13 / 5MHz / 16QAM/ Mid CH



Band13 / 5MHz / 64QAM/ Mid CH



Band13 / 5MHz / QPSK/ High CH



Band13 / 5MHz / 16QAM/ High CH



Band13 / 5MHz / 64QAM/ High CH



Band13 / 10MHz / QPSK/ Mid CH



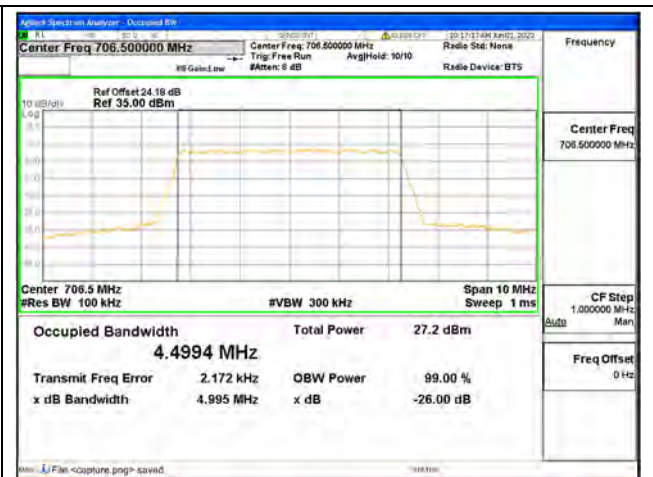
Band13 / 10MHz / 16QAM/ Mid CH



Band13 / 10MHz / 64QAM/ Mid CH



Band17 / 5MHz / QPSK/ Low CH



Band17 / 5MHz / 16QAM/ Low CH



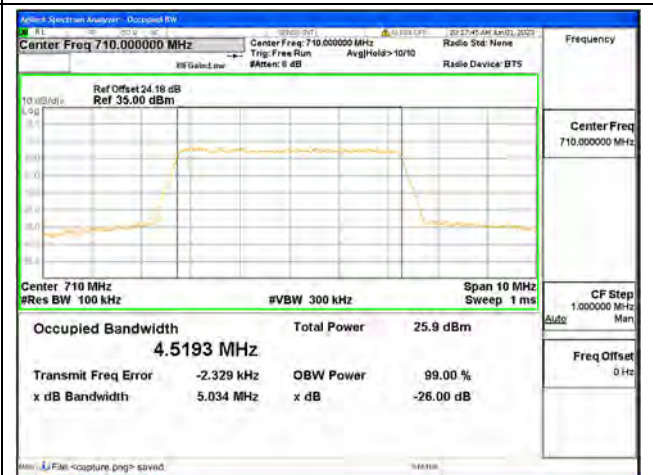
Band17 / 5MHz / 64QAM/ Low CH



Band17 / 5MHz / QPSK/ Mid CH



Band17 / 5MHz / 16QAM/ Mid CH



Band17 / 5MHz / 64QAM/ Mid CH



Band17 / 5MHz / QPSK/ High CH



Band17 / 5MHz / 16QAM/ High CH



Band17 / 5MHz / 64QAM/ High CH



Band17 / 10MHz / QPSK/ Low CH



Band17 / 10MHz / 16QAM/ Low CH



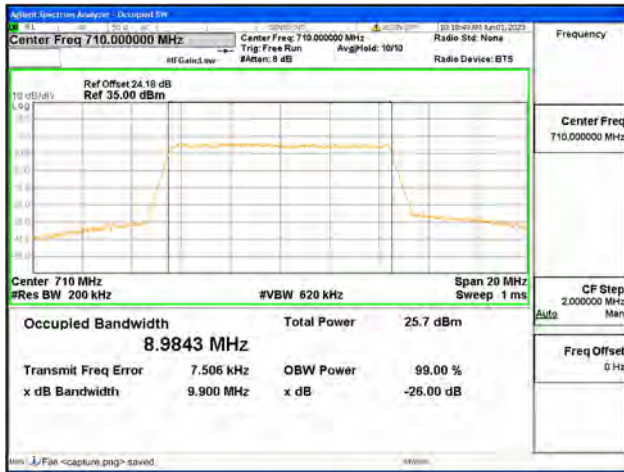
Band17 / 10MHz / 64QAM/ Low CH



Band17 / 10MHz / QPSK/ Mid CH



Band17 / 10MHz / 16QAM/ Mid CH



Band17 / 10MHz / 64QAM/ Mid CH



Band17 / 10MHz / QPSK/ High CH



Band17 / 10MHz / 16QAM/ High CH



Band17 / 10MHz / 64QAM/ High CH





Band18 part22 / 5MHz / QPSK/ Low CH



Band18 part22 / 5MHz / 16QAM/ Low CH



Band18 part22 / 5MHz / 64QAM/ Low CH



Band18 part22 / 5MHz / QPSK/ Mid CH



Band18 part22 / 5MHz / 16QAM/ Mid CH



Band18 part22 / 5MHz / 64QAM/ Mid CH



Band18 part22 / 5MHz / QPSK/ High CH



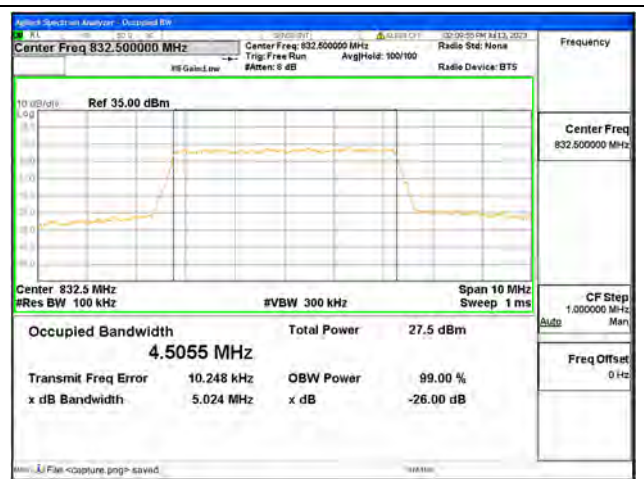
Band18 part22 / 5MHz / 16QAM/ High CH



Band18 part22 / 5MHz / 64QAM/ High CH



Band19 / 5MHz / QPSK/ Low CH



Band19 / 5MHz / 16QAM/ Low CH



Band19 / 5MHz / 64QAM/ Low CH



Band19 / 5MHz / QPSK/ Mid CH



Band19 / 5MHz / 16QAM/ Mid CH



Band19 / 5MHz / 64QAM/ Mid CH



Band19 / 5MHz / QPSK/ High CH



Band19 / 5MHz / 16QAM/ High CH



Band19 / 5MHz / 64QAM/ High CH



Band19 / 10MHz / QPSK/ Low CH



Band19 / 10MHz / 16QAM/ Low CH



Band19 / 10MHz / 64QAM/ Low CH



Band19 / 10MHz / QPSK/ Mid CH



Band19 / 10MHz / 16QAM/ Mid CH



Band19 / 10MHz / 64QAM/ Mid CH



Band19 / 10MHz / QPSK/ High CH



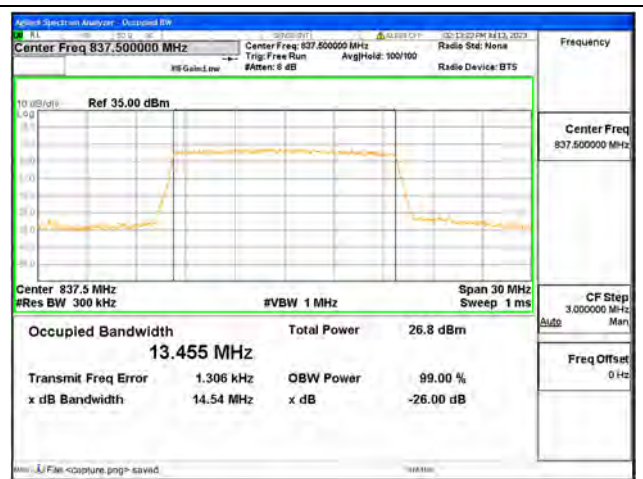
Band19 / 10MHz / 16QAM/ High CH



Band19 / 10MHz / 64QAM/ High CH



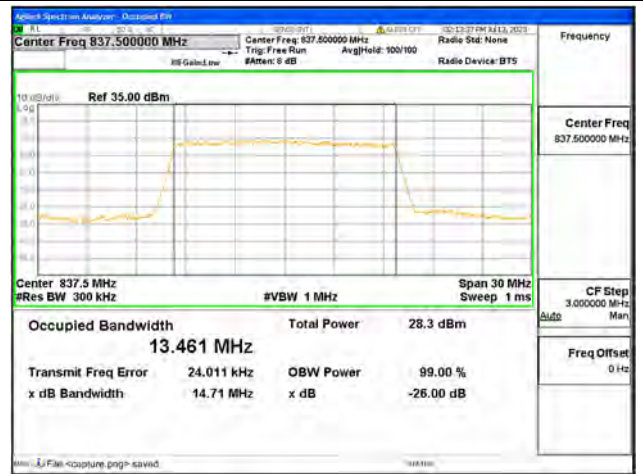
Band19 / 15MHz / QPSK/ Low CH



Band19 / 15MHz / 16QAM/ Low CH



Band19 / 15MHz / 64QAM/ Low CH



Band19 / 15MHz / QPSK/ Mid CH



Band19 / 15MHz / 16QAM/ Mid CH



Band19 / 15MHz / 64QAM/ Mid CH



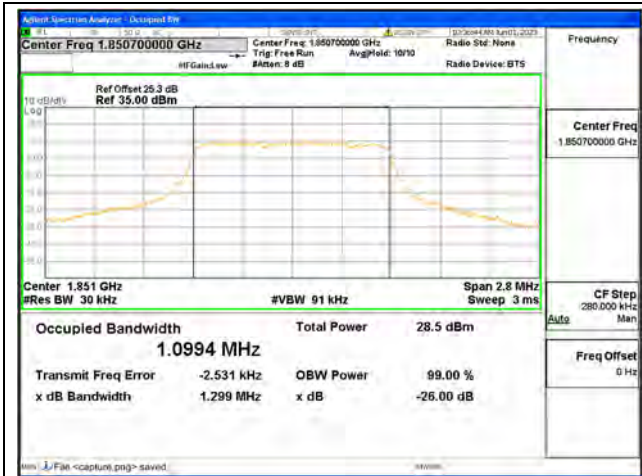
Band19 / 15MHz / QPSK/ High CH



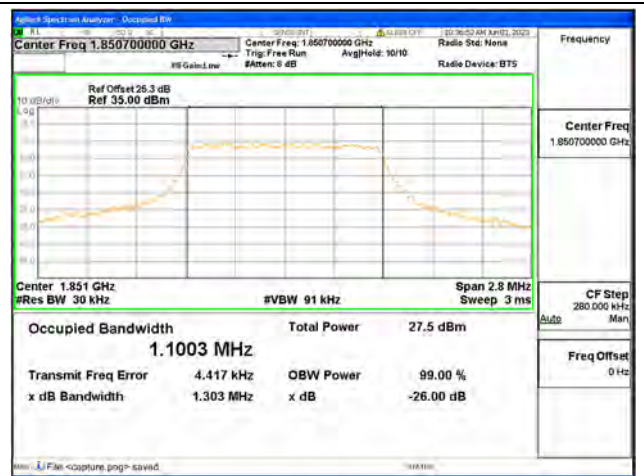
Band19 / 15MHz / 16QAM/ High CH



Band19 / 15MHz / 64QAM/ High CH



Band25 / 1.4MHz / QPSK/ Low CH



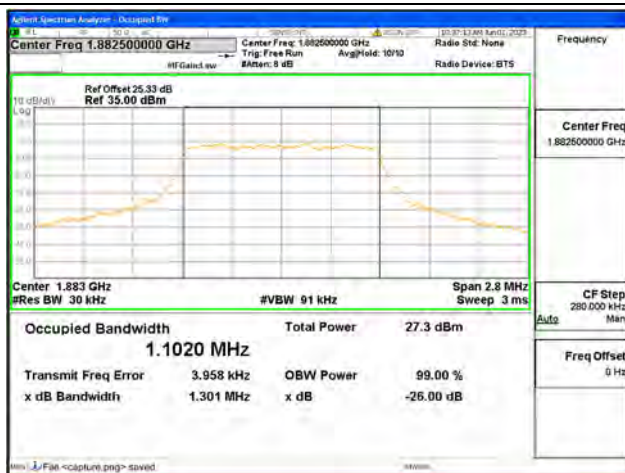
Band25 / 1.4MHz / 16QAM/ Low CH



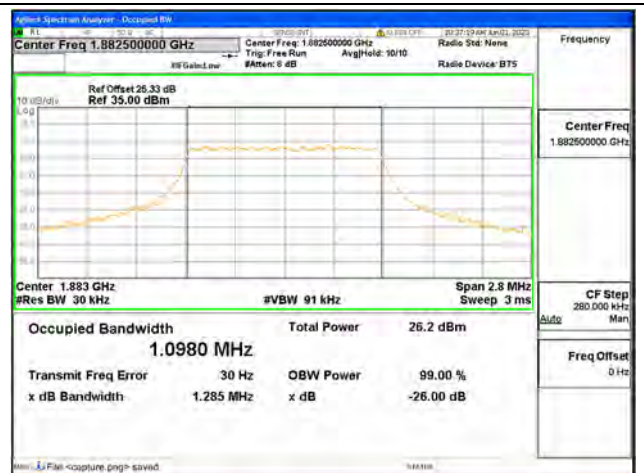
Band25 / 1.4MHz / 64QAM/ Low CH



Band25 / 1.4MHz / QPSK/ Mid CH



Band25 / 1.4MHz / 16QAM/ Mid CH



Band25 / 1.4MHz / 64QAM/ Mid CH