



# TEST REPORT

**APPLICANT** : Fibocom Wireless Inc.

**PRODUCT NAME** : LTE Module

**MODEL NAME** : SC218-NA

**BRAND NAME** : Fibocom

**FCC ID** : ZMOSC218NA

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

**RECEIPT DATE** : 2023-08-29

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Change History		
Version	Date	Reason for change
1.0	2023-10-23	First edition



# 1. Technical Information

Note: Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	Fibocom Wireless Inc.
<b>Applicant Address:</b>	1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China
<b>Manufacturer:</b>	Fibocom Wireless Inc.
<b>Manufacturer Address:</b>	1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	LTE Module	
<b>Sample No.:</b>	3#	
<b>Hardware Version:</b>	V1.1	
<b>Software Version:</b>	SC218-T6.00.03	
<b>Modulation Type:</b>	QPSK, 16QAM, 64QAM	
<b>Operation Band:</b>	Band 2 / 4 / 5 / 7 / 12 / 13 / 17 / 25 / 26 / 41 / 66 / 71	
<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 25	Tx: 1850MHz–1915MHz
		Rx: 1930MHz–1995MHz
	LTE Band 26	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 41	Tx: 2496MHz–2690MHz
		Rx: 2496MHz–2690MHz
	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 25	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 26	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz	
<b>Antenna Type:</b>	Fixed External Antenna	
<b>Antenna Gain:</b>	LTE Band 2	1.00dBi
	LTE Band 4	1.00dBi
	LTE Band 5	0.50dBi
	LTE Band 7	2.00dBi
	LTE Band 12	0.50dBi
	LTE Band 13	0.50dBi
	LTE Band 17	0.50dBi
	LTE Band 25	1.00dBi
	LTE Band 26	0.50dBi
	LTE Band 41	2.00dBi
	LTE Band 66	1.00dBi
LTE Band 71	0.50dBi	

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



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

<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	0.320	0.271	0.269	18M0G7D	18M0W7D	18M0W7D
15	0.317	0.272	0.272	13M5G7D	13M5W7D	13M5W7D
10	0.318	0.277	0.277	9M00G7D	8M97W7D	8M98W7D
5	0.317	0.281	0.275	4M51G7D	4M51W7D	4M51W7D
3	0.316	0.270	0.270	2M70G7D	2M70W7D	2M71W7D
1.4	0.314	0.272	0.280	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	0.296	0.251	0.244	18M0G7D	18M0W7D	18M0W7D
15	0.294	0.251	0.243	13M5G7D	13M5W7D	13M4W7D
10	0.294	0.251	0.250	9M02G7D	8M97W7D	8M99W7D
5	0.294	0.242	0.247	4M51G7D	4M51W7D	4M52W7D
3	0.293	0.244	0.249	2M70G7D	2M71W7D	2M71W7D
1.4	0.294	0.251	0.247	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	0.160	0.136	0.135	9M00G7D	8M98W7D	8M99W7D
5	0.159	0.136	0.139	4M51G7D	4M51W7D	4M52W7D
3	0.158	0.134	0.136	2M70G7D	2M70W7D	2M71W7D
1.4	0.159	0.135	0.133	1M09G7D	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	0.335	0.284	0.286	17M9G7D	18M0W7D	18M0W7D
15	0.333	0.289	0.285	13M5G7D	13M5W7D	13M5W7D
10	0.332	0.287	0.283	9M00G7D	8M96W7D	8M98W7D
5	0.331	0.299	0.284	4M52G7D	4M51W7D	4M51W7D
<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	0.160	0.136	0.136	9M00G7D	8M96W7D	8M98W7D
5	0.159	0.133	0.139	4M51G7D	4M51W7D	4M52W7D
3	0.159	0.136	0.138	2M71G7D	2M70W7D	2M71W7D
1.4	0.158	0.137	0.133	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	0.158	0.133	0.132	9M00G7D	8M94W7D	8M95W7D	
5	0.158	0.132	0.134	4M51G7D	4M51W7D	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	0.159	0.132	0.132	9M01G7D	8M96W7D	8M99W7D	
5	0.158	0.133	0.134	4M51G7D	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	0.299	0.254	0.201	17M9G7D	18M0W7D	17M9W7D	
15	0.297	0.248	0.195	13M5G7D	13M5W7D	13M4W7D	
10	0.298	0.253	0.198	9M01G7D	8M97W7D	8M99W7D	
5	0.296	0.245	0.200	4M51G7D	4M51W7D	4M53W7D	
3	0.298	0.255	0.194	2M70G7D	2M71W7D	2M71W7D	
1.4	0.297	0.245	0.204	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	0.159	0.132	0.104	13M5G7D	13M5W7D	13M5W7D	
10	0.158	0.131	0.103	9M01G7D	8M98W7D	9M00W7D	
5	0.158	0.132	0.104	4M51G7D	4M51W7D	4M51W7D	
3	0.158	0.131	0.106	2M70G7D	2M71W7D	2M71W7D	
1.4	0.157	0.129	0.106	1M10G7D	1M10W7D	1M10W7D	
<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	0.438	0.355	0.286	17M9G7D	17M9W7D	17M9W7D	
15	0.429	0.360	0.275	13M5G7D	13M5W7D	13M5W7D	
10	0.436	0.362	0.290	8M98G7D	8M97W7D	8M97W7D	
5	0.437	0.363	0.282	4M51G7D	4M51W7D	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	0.294	0.289	0.139	17M9G7D	18M0W7D	18M0W7D	
15	0.292	0.289	0.138	13M5G7D	13M5W7D	13M5W7D	
10	0.291	0.290	0.138	9M00G7D	9M00W7D	8M99W7D	
5	0.292	0.290	0.140	4M51G7D	4M54W7D	4M52W7D	
3	0.290	0.292	0.140	2M71G7D	2M71W7D	2M71W7D	
1.4	0.291	0.289	0.139	1M10G7D	1M10W7D	1M10W7D	



LTE Band 71	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
	BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM
20	0.157	0.133	0.105	17M9G7D	18M0W7D	18M0W7D
15	0.157	0.134	0.105	13M5G7D	13M5W7D	13M5W7D
10	0.156	0.133	0.104	9M00G7D	8M98W7D	8M99W7D
5	0.157	0.133	0.106	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(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.	Sep. 05, 2023	Shen Biaohong Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Sep. 05, 2023	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Sep. 05, 2023	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Sep. 05, 2023	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Sep. 05, 2023	Li Huaijie	PASS	No deviation
2.1051 22.917(a)	Band Edge	Sep. 05, 2023	Li Huaijie	PASS	No deviation





24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Oct. 07, 2022	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 section22.913 (a)(2) for LTE Band 5/26, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

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





2.1.4. Result

Conducted Output Power

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.91	24.05	23.84
20	QPSK	1	49	23.85	24.01	23.82
20	QPSK	1	99	23.81	23.93	23.79
20	QPSK	50	0	22.93	22.99	22.87
20	QPSK	50	24	22.90	22.95	22.84
20	QPSK	50	50	22.82	22.88	22.76
20	QPSK	100	0	22.85	22.91	22.80
20	16QAM	1	0	23.30	23.33	23.25
20	16QAM	1	49	23.19	23.27	23.22
20	16QAM	1	99	23.26	23.24	23.18
20	16QAM	50	0	22.01	22.04	21.98
20	16QAM	50	24	21.91	21.97	21.90
20	16QAM	50	50	21.89	21.90	21.86
20	16QAM	100	0	21.93	21.91	21.94
20	64QAM	1	0	23.27	23.30	23.24
20	64QAM	1	49	23.19	23.26	23.19
20	64QAM	1	99	23.15	23.22	23.20
20	64QAM	50	0	22.03	22.05	21.97
20	64QAM	50	24	22.00	22.01	21.95
20	64QAM	50	50	21.89	21.96	21.90
20	64QAM	100	0	21.95	21.93	21.91



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.96	24.01	23.93
15	QPSK	1	37	23.74	23.95	23.87
15	QPSK	1	74	23.83	23.89	23.75
15	QPSK	36	0	22.89	23.09	22.86
15	QPSK	36	20	22.84	23.00	22.71
15	QPSK	36	39	22.87	22.86	22.73
15	QPSK	75	0	22.78	22.84	22.79
15	16QAM	1	0	23.16	23.18	23.24
15	16QAM	1	37	23.22	23.29	23.08
15	16QAM	1	74	23.16	23.35	23.32
15	16QAM	36	0	22.18	22.20	22.17
15	16QAM	36	20	22.07	21.91	22.09
15	16QAM	36	39	22.03	22.07	22.00
15	16QAM	75	0	21.79	21.78	21.84
15	64QAM	1	0	23.31	23.35	23.29
15	64QAM	1	37	23.27	23.24	23.27
15	64QAM	1	74	23.13	23.26	23.21
15	64QAM	36	0	22.11	22.05	21.97
15	64QAM	36	20	22.19	22.03	22.08
15	64QAM	36	39	21.80	21.82	21.84
15	64QAM	75	0	22.08	22.03	21.80



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				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.99	24.02	23.76
10	QPSK	1	25	23.72	23.90	23.71
10	QPSK	1	49	23.71	23.85	23.67
10	QPSK	25	0	23.10	23.09	22.94
10	QPSK	25	12	22.93	22.89	23.02
10	QPSK	25	25	22.82	22.88	22.61
10	QPSK	50	0	22.78	22.91	22.81
10	16QAM	1	0	23.28	23.36	23.34
10	16QAM	1	25	23.04	23.32	23.28
10	16QAM	1	49	23.43	23.16	23.11
10	16QAM	25	0	21.99	22.18	21.89
10	16QAM	25	12	21.79	22.00	22.07
10	16QAM	25	25	22.07	21.99	21.92
10	16QAM	50	0	22.08	21.96	21.96
10	64QAM	1	0	23.12	23.29	23.19
10	64QAM	1	25	23.36	23.39	23.27
10	64QAM	1	49	23.09	23.42	23.33
10	64QAM	25	0	22.01	22.01	22.00
10	64QAM	25	12	22.20	22.01	22.15
10	64QAM	25	25	22.05	22.07	21.96
10	64QAM	50	0	21.86	22.00	21.80



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				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	23.83	24.01	23.93
5	QPSK	1	12	23.93	23.87	23.72
5	QPSK	1	24	23.91	23.98	23.76
5	QPSK	12	0	22.84	23.13	22.98
5	QPSK	12	7	22.94	23.11	22.98
5	QPSK	12	13	22.77	22.88	22.96
5	QPSK	25	0	22.83	22.95	22.78
5	16QAM	1	0	23.36	23.49	23.41
5	16QAM	1	12	23.31	23.17	23.17
5	16QAM	1	24	23.38	23.43	23.21
5	16QAM	12	0	22.02	22.14	21.84
5	16QAM	12	7	22.03	21.85	22.00
5	16QAM	12	13	21.99	21.90	21.90
5	16QAM	25	0	21.86	22.10	22.08
5	64QAM	1	0	23.37	23.21	23.40
5	64QAM	1	12	23.09	23.16	23.09
5	64QAM	1	24	23.14	23.36	23.37
5	64QAM	12	0	22.02	22.07	21.88
5	64QAM	12	7	21.94	22.18	22.07
5	64QAM	12	13	22.07	22.02	21.88
5	64QAM	25	0	22.12	22.11	21.80



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				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.92	23.99	23.94
3	QPSK	1	8	23.70	23.96	23.96
3	QPSK	1	14	23.79	23.95	23.75
3	QPSK	8	0	22.94	23.11	22.85
3	QPSK	8	4	22.76	22.96	22.90
3	QPSK	8	7	22.82	23.03	22.73
3	QPSK	15	0	22.79	23.00	22.85
3	16QAM	1	0	23.15	23.25	23.27
3	16QAM	1	8	23.08	23.32	23.29
3	16QAM	1	14	23.11	23.10	23.04
3	16QAM	8	0	22.09	22.15	22.12
3	16QAM	8	4	22.10	22.10	22.03
3	16QAM	8	7	21.94	22.06	21.89
3	16QAM	15	0	22.09	22.02	21.89
3	64QAM	1	0	23.24	23.30	23.31
3	64QAM	1	8	23.32	23.15	23.10
3	64QAM	1	14	23.10	23.23	23.13
3	64QAM	8	0	22.06	22.01	21.90
3	64QAM	8	4	22.08	22.02	22.08
3	64QAM	8	7	21.99	22.03	21.90
3	64QAM	15	0	22.12	22.11	22.06





LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.91	23.97	23.84
1.4	QPSK	1	3	23.92	23.91	23.76
1.4	QPSK	1	5	23.87	23.83	23.81
1.4	QPSK	3	0	22.98	23.08	22.93
1.4	QPSK	3	1	23.09	22.90	22.82
1.4	QPSK	3	3	22.92	22.94	22.80
1.4	QPSK	6	0	23.02	23.03	22.87
1.4	16QAM	1	0	23.20	23.29	23.26
1.4	16QAM	1	3	23.25	23.27	23.22
1.4	16QAM	1	5	23.31	23.11	23.34
1.4	16QAM	3	0	22.05	22.06	22.12
1.4	16QAM	3	1	22.09	22.07	22.02
1.4	16QAM	3	3	21.81	21.82	21.90
1.4	16QAM	6	0	22.07	21.94	21.87
1.4	64QAM	1	0	23.47	23.16	23.18
1.4	64QAM	1	3	23.08	23.26	23.32
1.4	64QAM	1	5	23.02	23.35	23.24
1.4	64QAM	3	0	22.06	22.15	22.08
1.4	64QAM	3	1	22.01	22.04	22.06
1.4	64QAM	3	3	22.04	22.08	22.03
1.4	64QAM	6	0	21.97	21.86	21.92



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	23.67	23.71	23.63
20	QPSK	1	49	23.60	23.64	23.47
20	QPSK	1	99	23.62	23.63	23.67
20	QPSK	50	0	22.56	22.67	22.60
20	QPSK	50	24	22.77	22.66	22.54
20	QPSK	50	50	22.43	22.61	22.46
20	QPSK	100	0	22.49	22.72	22.62
20	16QAM	1	0	22.95	22.88	22.86
20	16QAM	1	49	22.71	22.83	23.00
20	16QAM	1	99	22.82	22.73	22.75
20	16QAM	50	0	21.63	21.79	21.60
20	16QAM	50	24	21.58	21.62	21.45
20	16QAM	50	50	21.70	21.69	21.45
20	16QAM	100	0	21.74	21.70	21.76
20	64QAM	1	0	22.80	22.86	22.82
20	64QAM	1	49	22.78	22.69	22.72
20	64QAM	1	99	22.69	22.87	22.68
20	64QAM	50	0	21.88	21.82	21.54
20	64QAM	50	24	21.90	21.61	21.60
20	64QAM	50	50	21.54	21.71	21.63
20	64QAM	100	0	21.75	21.73	21.78



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				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	23.62	23.68	23.54
15	QPSK	1	37	23.59	23.59	23.60
15	QPSK	1	74	23.63	23.54	23.50
15	QPSK	36	0	22.58	22.80	22.77
15	QPSK	36	20	22.62	22.66	22.71
15	QPSK	36	39	22.50	22.56	22.65
15	QPSK	75	0	22.57	22.58	22.55
15	16QAM	1	0	22.96	22.86	22.97
15	16QAM	1	37	22.95	22.90	22.71
15	16QAM	1	74	23.00	22.91	22.78
15	16QAM	36	0	21.73	21.79	21.58
15	16QAM	36	20	21.69	21.59	21.65
15	16QAM	36	39	21.52	21.61	21.76
15	16QAM	75	0	21.55	21.47	21.69
15	64QAM	1	0	22.72	22.74	22.85
15	64QAM	1	37	22.77	22.78	22.83
15	64QAM	1	74	22.79	22.60	22.81
15	64QAM	36	0	21.63	21.76	21.70
15	64QAM	36	20	21.61	21.63	21.56
15	64QAM	36	39	21.63	21.53	21.54
15	64QAM	75	0	21.76	21.53	21.69



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	23.65	23.69	23.63
10	QPSK	1	25	23.57	23.62	23.52
10	QPSK	1	49	23.61	23.60	23.48
10	QPSK	25	0	22.71	22.76	22.62
10	QPSK	25	12	22.60	22.78	22.51
10	QPSK	25	25	22.72	22.58	22.46
10	QPSK	50	0	22.66	22.57	22.48
10	16QAM	1	0	22.95	22.93	22.89
10	16QAM	1	25	22.81	23.00	22.71
10	16QAM	1	49	22.90	22.89	22.85
10	16QAM	25	0	21.66	21.82	21.87
10	16QAM	25	12	21.75	21.55	21.76
10	16QAM	25	25	21.77	21.57	21.61
10	16QAM	50	0	21.66	21.46	21.73
10	64QAM	1	0	22.98	22.91	22.94
10	64QAM	1	25	22.62	22.63	22.66
10	64QAM	1	49	22.61	22.74	22.75
10	64QAM	25	0	21.82	21.70	21.56
10	64QAM	25	12	21.86	21.81	21.86
10	64QAM	25	25	21.74	21.56	21.62
10	64QAM	50	0	21.84	21.50	21.79



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.56	23.68	23.54
5	QPSK	1	12	23.59	23.62	23.60
5	QPSK	1	24	23.54	23.62	23.56
5	QPSK	12	0	22.60	22.77	22.66
5	QPSK	12	7	22.59	22.51	22.60
5	QPSK	12	13	22.66	22.49	22.57
5	QPSK	25	0	22.54	22.53	22.51
5	16QAM	1	0	22.82	22.83	22.75
5	16QAM	1	12	22.68	22.82	22.81
5	16QAM	1	24	22.72	22.75	22.80
5	16QAM	12	0	21.71	21.72	21.63
5	16QAM	12	7	21.60	21.76	21.55
5	16QAM	12	13	21.70	21.72	21.50
5	16QAM	25	0	21.59	21.60	21.83
5	64QAM	1	0	22.76	22.84	22.92
5	64QAM	1	12	22.75	22.68	22.65
5	64QAM	1	24	22.76	22.70	22.67
5	64QAM	12	0	21.79	21.82	21.56
5	64QAM	12	7	21.81	21.63	21.61
5	64QAM	12	13	21.79	21.58	21.67
5	64QAM	25	0	21.82	21.84	21.60



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	23.66	23.67	23.60
3	QPSK	1	8	23.59	23.65	23.55
3	QPSK	1	14	23.54	23.60	23.62
3	QPSK	8	0	22.50	22.83	22.67
3	QPSK	8	4	22.68	22.60	22.56
3	QPSK	8	7	22.57	22.59	22.66
3	QPSK	15	0	22.50	22.58	22.48
3	16QAM	1	0	22.88	22.82	22.86
3	16QAM	1	8	22.71	22.72	22.87
3	16QAM	1	14	22.76	22.87	22.70
3	16QAM	8	0	21.80	21.78	21.84
3	16QAM	8	4	21.79	21.87	21.59
3	16QAM	8	7	21.62	21.64	21.53
3	16QAM	15	0	21.69	21.48	21.74
3	64QAM	1	0	22.96	22.86	22.75
3	64QAM	1	8	22.75	22.87	22.78
3	64QAM	1	14	22.83	22.82	22.68
3	64QAM	8	0	21.81	21.86	21.56
3	64QAM	8	4	21.63	21.78	21.55
3	64QAM	8	7	21.58	21.61	21.59
3	64QAM	15	0	21.68	21.52	21.57



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	23.64	23.68	23.56
1.4	QPSK	1	3	23.52	23.65	23.57
1.4	QPSK	1	5	23.59	23.62	23.60
1.4	QPSK	3	0	22.61	22.61	22.56
1.4	QPSK	3	1	22.68	22.80	22.58
1.4	QPSK	3	3	22.67	22.76	22.52
1.4	QPSK	6	0	22.59	22.69	22.67
1.4	16QAM	1	0	23.00	22.98	22.81
1.4	16QAM	1	3	22.75	22.85	22.90
1.4	16QAM	1	5	22.95	22.74	22.81
1.4	16QAM	3	0	21.67	21.66	21.66
1.4	16QAM	3	1	21.55	21.72	21.57
1.4	16QAM	3	3	21.69	21.72	21.56
1.4	16QAM	6	0	21.53	21.81	21.49
1.4	64QAM	1	0	22.71	22.93	22.69
1.4	64QAM	1	3	22.69	22.81	22.66
1.4	64QAM	1	5	22.65	22.82	22.69
1.4	64QAM	3	0	21.73	21.69	21.77
1.4	64QAM	3	1	21.68	21.67	21.62
1.4	64QAM	3	3	21.77	21.53	21.68
1.4	64QAM	6	0	21.84	21.85	21.76



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.64	23.69	23.61
10	QPSK	1	25	23.62	23.65	23.59
10	QPSK	1	49	23.62	23.57	23.55
10	QPSK	25	0	22.58	22.77	22.52
10	QPSK	25	12	22.69	22.63	22.59
10	QPSK	25	25	22.65	22.58	22.50
10	QPSK	50	0	22.63	22.70	22.48
10	16QAM	1	0	22.86	22.93	22.76
10	16QAM	1	25	22.79	22.89	22.85
10	16QAM	1	49	22.89	22.75	22.98
10	16QAM	25	0	21.59	21.68	21.77
10	16QAM	25	12	21.74	21.61	21.53
10	16QAM	25	25	21.68	21.46	21.59
10	16QAM	50	0	21.78	21.60	21.81
10	64QAM	1	0	22.84	22.95	22.90
10	64QAM	1	25	22.83	22.93	22.86
10	64QAM	1	49	22.81	22.89	22.85
10	64QAM	25	0	21.76	21.82	21.86
10	64QAM	25	12	21.88	21.70	21.76
10	64QAM	25	25	21.73	21.74	21.71
10	64QAM	50	0	21.65	21.77	21.80





LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	23.53	23.66	23.59
5	QPSK	1	12	23.63	23.60	23.64
5	QPSK	1	24	23.52	23.61	23.51
5	QPSK	12	0	22.54	22.79	22.57
5	QPSK	12	7	22.56	22.52	22.65
5	QPSK	12	13	22.59	22.50	22.55
5	QPSK	25	0	22.74	22.59	22.51
5	16QAM	1	0	22.84	22.92	22.88
5	16QAM	1	12	22.77	22.90	23.00
5	16QAM	1	24	22.85	22.91	22.76
5	16QAM	12	0	21.56	21.77	21.76
5	16QAM	12	7	21.59	21.86	21.73
5	16QAM	12	13	21.76	21.80	21.71
5	16QAM	25	0	21.50	21.77	21.53
5	64QAM	1	0	22.71	22.85	22.93
5	64QAM	1	12	22.85	23.02	23.09
5	64QAM	1	24	22.73	23.02	23.06
5	64QAM	12	0	21.69	21.65	21.86
5	64QAM	12	7	21.59	21.73	21.66
5	64QAM	12	13	21.77	21.60	21.50
5	64QAM	25	0	21.74	21.62	21.54



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	23.60	23.65	23.61
3	QPSK	1	8	23.58	23.59	23.60
3	QPSK	1	14	23.57	23.64	23.55
3	QPSK	8	0	22.79	22.82	22.62
3	QPSK	8	4	22.63	22.65	22.52
3	QPSK	8	7	22.58	22.61	22.56
3	QPSK	15	0	22.56	22.71	22.52
3	16QAM	1	0	22.91	22.89	22.81
3	16QAM	1	8	22.88	22.82	22.75
3	16QAM	1	14	22.90	22.76	22.92
3	16QAM	8	0	21.74	21.66	21.60
3	16QAM	8	4	21.70	21.80	21.79
3	16QAM	8	7	21.57	21.59	21.53
3	16QAM	15	0	21.51	21.73	21.55
3	64QAM	1	0	22.70	22.80	22.79
3	64QAM	1	8	22.99	22.90	22.91
3	64QAM	1	14	22.95	22.91	22.87
3	64QAM	8	0	21.67	21.62	21.82
3	64QAM	8	4	21.82	21.65	21.87
3	64QAM	8	7	21.70	21.86	21.76
3	64QAM	15	0	21.68	21.71	21.59



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	23.57	23.67	23.56
1.4	QPSK	1	3	23.58	23.61	23.60
1.4	QPSK	1	5	23.57	23.62	23.65
1.4	QPSK	3	0	22.64	22.86	22.77
1.4	QPSK	3	1	22.51	22.80	22.58
1.4	QPSK	3	3	22.58	22.62	22.51
1.4	QPSK	6	0	22.41	22.53	22.60
1.4	16QAM	1	0	22.87	22.91	22.84
1.4	16QAM	1	3	22.69	22.94	22.89
1.4	16QAM	1	5	22.95	22.91	22.79
1.4	16QAM	3	0	21.61	21.68	21.78
1.4	16QAM	3	1	21.76	21.65	21.78
1.4	16QAM	3	3	21.75	21.77	21.65
1.4	16QAM	6	0	21.55	21.59	21.60
1.4	64QAM	1	0	22.69	22.87	22.87
1.4	64QAM	1	3	22.84	22.90	22.86
1.4	64QAM	1	5	22.79	22.87	22.79
1.4	64QAM	3	0	21.79	21.85	21.57
1.4	64QAM	3	1	21.65	21.67	21.79
1.4	64QAM	3	3	21.62	21.74	21.71
1.4	64QAM	6	0	21.86	21.69	21.81



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	23.07	23.25	23.18
20	QPSK	1	49	23.00	23.18	23.19
20	QPSK	1	99	23.04	23.14	23.13
20	QPSK	50	0	22.30	22.35	22.22
20	QPSK	50	24	22.21	22.33	22.31
20	QPSK	50	50	22.02	22.13	22.02
20	QPSK	100	0	22.08	22.19	22.03
20	16QAM	1	0	22.45	22.54	22.43
20	16QAM	1	49	22.39	22.53	22.36
20	16QAM	1	99	22.40	22.37	22.48
20	16QAM	50	0	21.26	21.45	21.39
20	16QAM	50	24	21.23	21.21	21.23
20	16QAM	50	50	21.20	21.29	21.26
20	16QAM	100	0	21.25	21.28	21.28
20	64QAM	1	0	22.49	22.56	22.48
20	64QAM	1	49	22.41	22.54	22.55
20	64QAM	1	99	22.33	22.51	22.53
20	64QAM	50	0	21.22	21.41	21.24
20	64QAM	50	24	21.28	21.22	21.40
20	64QAM	50	50	21.23	21.47	21.39
20	64QAM	100	0	21.22	21.32	21.18



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	23.17	23.23	23.14
15	QPSK	1	37	23.12	23.21	23.11
15	QPSK	1	74	23.20	23.09	23.09
15	QPSK	36	0	22.16	22.27	22.23
15	QPSK	36	20	22.14	22.31	22.28
15	QPSK	36	39	22.20	22.35	22.04
15	QPSK	75	0	22.11	22.17	22.23
15	16QAM	1	0	22.49	22.55	22.53
15	16QAM	1	37	22.43	22.49	22.32
15	16QAM	1	74	22.61	22.54	22.49
15	16QAM	36	0	21.35	21.25	21.28
15	16QAM	36	20	21.16	21.34	21.18
15	16QAM	36	39	21.10	21.07	21.09
15	16QAM	75	0	21.16	21.22	21.31
15	64QAM	1	0	22.55	22.35	22.45
15	64QAM	1	37	22.51	22.41	22.45
15	64QAM	1	74	22.33	22.47	22.38
15	64QAM	36	0	21.21	21.27	21.37
15	64QAM	36	20	21.29	21.29	21.16
15	64QAM	36	39	21.21	21.24	21.31
15	64QAM	75	0	21.25	21.23	21.37



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	23.10	23.21	23.20
10	QPSK	1	25	23.03	23.14	23.17
10	QPSK	1	49	23.06	23.16	23.09
10	QPSK	25	0	22.29	22.21	22.10
10	QPSK	25	12	22.23	22.13	22.16
10	QPSK	25	25	22.06	22.26	22.02
10	QPSK	50	0	22.06	22.22	22.25
10	16QAM	1	0	22.46	22.58	22.48
10	16QAM	1	25	22.37	22.55	22.49
10	16QAM	1	49	22.39	22.43	22.31
10	16QAM	25	0	21.36	21.22	21.29
10	16QAM	25	12	21.25	21.22	21.12
10	16QAM	25	25	21.33	21.17	21.24
10	16QAM	50	0	21.40	21.34	21.34
10	64QAM	1	0	22.51	22.37	22.40
10	64QAM	1	25	22.44	22.46	22.52
10	64QAM	1	49	22.39	22.46	22.41
10	64QAM	25	0	21.27	21.24	21.32
10	64QAM	25	12	21.28	21.37	21.12
10	64QAM	25	25	21.39	21.25	21.13
10	64QAM	50	0	21.45	21.24	21.14



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	23.19	23.20	23.18
5	QPSK	1	12	23.11	23.09	23.13
5	QPSK	1	24	23.16	23.14	23.12
5	QPSK	12	0	22.36	22.19	22.06
5	QPSK	12	7	22.35	22.32	22.23
5	QPSK	12	13	22.17	22.12	22.15
5	QPSK	25	0	22.31	22.28	22.07
5	16QAM	1	0	22.59	22.76	22.48
5	16QAM	1	12	22.50	22.45	22.44
5	16QAM	1	24	22.63	22.59	22.47
5	16QAM	12	0	21.33	21.39	21.40
5	16QAM	12	7	21.28	21.22	21.22
5	16QAM	12	13	21.16	21.29	21.12
5	16QAM	25	0	21.32	21.32	21.27
5	64QAM	1	0	22.36	22.50	22.29
5	64QAM	1	12	22.47	22.41	22.46
5	64QAM	1	24	22.37	22.54	22.38
5	64QAM	12	0	21.48	21.46	21.43
5	64QAM	12	7	21.22	21.20	21.15
5	64QAM	12	13	21.39	21.32	21.23
5	64QAM	25	0	21.46	21.45	21.42



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.63	23.65	23.68
10	QPSK	1	25	23.60	23.59	23.61
10	QPSK	1	49	23.53	23.58	23.61
10	QPSK	25	0	22.66	22.51	22.49
10	QPSK	25	12	22.72	22.45	22.42
10	QPSK	25	25	22.43	22.67	22.58
10	QPSK	50	0	22.46	22.55	22.60
10	16QAM	1	0	22.97	22.94	22.86
10	16QAM	1	25	22.91	22.99	22.71
10	16QAM	1	49	22.80	22.93	22.92
10	16QAM	25	0	21.78	21.83	21.84
10	16QAM	25	12	21.61	21.79	21.53
10	16QAM	25	25	21.56	21.63	21.52
10	16QAM	50	0	21.75	21.64	21.79
10	64QAM	1	0	22.97	22.95	22.81
10	64QAM	1	25	22.96	22.90	22.90
10	64QAM	1	49	22.92	22.80	22.91
10	64QAM	25	0	21.83	21.78	21.80
10	64QAM	25	12	21.97	21.75	21.67
10	64QAM	25	25	21.79	21.82	21.66
10	64QAM	50	0	21.57	21.71	21.88





LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.52	23.64	23.66
5	QPSK	1	12	23.56	23.57	23.58
5	QPSK	1	24	23.62	23.63	23.59
5	QPSK	12	0	22.56	22.65	22.61
5	QPSK	12	7	22.64	22.65	22.57
5	QPSK	12	13	22.47	22.55	22.50
5	QPSK	25	0	22.49	22.48	22.54
5	16QAM	1	0	22.88	22.82	22.85
5	16QAM	1	12	22.73	22.83	22.69
5	16QAM	1	24	22.76	22.81	22.73
5	16QAM	12	0	21.82	21.76	21.77
5	16QAM	12	7	21.69	21.71	21.65
5	16QAM	12	13	21.59	21.63	21.80
5	16QAM	25	0	21.69	21.72	21.70
5	64QAM	1	0	22.98	22.81	22.90
5	64QAM	1	12	22.79	23.04	22.76
5	64QAM	1	24	22.86	23.01	23.07
5	64QAM	12	0	21.67	21.79	21.74
5	64QAM	12	7	21.80	21.86	21.71
5	64QAM	12	13	21.56	21.82	21.73
5	64QAM	25	0	21.76	21.67	21.59



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.54	23.65	23.65
3	QPSK	1	8	23.53	23.67	23.60
3	QPSK	1	14	23.60	23.53	23.64
3	QPSK	8	0	22.68	22.64	22.53
3	QPSK	8	4	22.51	22.52	22.57
3	QPSK	8	7	22.55	22.72	22.48
3	QPSK	15	0	22.70	22.58	22.56
3	16QAM	1	0	22.79	22.86	22.80
3	16QAM	1	8	22.88	22.87	22.98
3	16QAM	1	14	22.81	22.85	22.86
3	16QAM	8	0	21.71	21.78	21.72
3	16QAM	8	4	21.70	21.80	21.59
3	16QAM	8	7	21.65	21.56	21.70
3	16QAM	15	0	21.63	21.72	21.87
3	64QAM	1	0	22.96	22.80	22.81
3	64QAM	1	8	23.02	22.87	23.05
3	64QAM	1	14	22.84	22.81	22.94
3	64QAM	8	0	21.78	21.88	21.67
3	64QAM	8	4	21.73	21.65	21.61
3	64QAM	8	7	21.84	21.87	21.56
3	64QAM	15	0	21.81	21.68	21.87



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.51	23.62	23.64
1.4	QPSK	1	3	23.45	23.56	23.58
1.4	QPSK	1	5	23.45	23.57	23.60
1.4	QPSK	3	0	22.56	22.54	22.55
1.4	QPSK	3	1	22.51	22.55	22.58
1.4	QPSK	3	3	22.50	22.60	22.57
1.4	QPSK	6	0	22.70	22.72	22.60
1.4	16QAM	1	0	22.98	23.01	22.84
1.4	16QAM	1	3	22.89	23.02	22.69
1.4	16QAM	1	5	22.72	22.96	22.81
1.4	16QAM	3	0	21.69	21.73	21.82
1.4	16QAM	3	1	21.58	21.80	21.62
1.4	16QAM	3	3	21.55	21.79	21.81
1.4	16QAM	6	0	21.82	21.73	21.55
1.4	64QAM	1	0	22.71	22.81	22.90
1.4	64QAM	1	3	22.83	22.85	22.87
1.4	64QAM	1	5	22.82	22.75	22.86
1.4	64QAM	3	0	21.94	21.75	21.94
1.4	64QAM	3	1	21.77	21.86	21.88
1.4	64QAM	3	3	21.65	21.82	21.79
1.4	64QAM	6	0	21.64	21.77	21.78



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	23230	/
Frequency (MHz)				/	782	/
10	QPSK	1	0	/	23.64	/
10	QPSK	1	25	/	23.55	/
10	QPSK	1	49	/	23.59	/
10	QPSK	25	0	/	22.73	/
10	QPSK	25	12	/	22.69	/
10	QPSK	25	25	/	22.63	/
10	QPSK	50	0	/	22.70	/
10	16QAM	1	0	/	22.88	/
10	16QAM	1	25	/	22.71	/
10	16QAM	1	49	/	22.75	/
10	16QAM	25	0	/	21.83	/
10	16QAM	25	12	/	21.79	/
10	16QAM	25	25	/	21.71	/
10	16QAM	50	0	/	21.74	/
10	64QAM	1	0	/	22.84	/
10	64QAM	1	25	/	22.69	/
10	64QAM	1	49	/	22.72	/
10	64QAM	25	0	/	21.86	/
10	64QAM	25	12	/	21.71	/
10	64QAM	25	25	/	21.73	/
10	64QAM	50	0	/	21.79	/



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23205	23230	23255
Frequency (MHz)				779.5	782	784.5
5	QPSK	1	0	23.57	23.62	23.54
5	QPSK	1	12	23.54	23.58	23.48
5	QPSK	1	24	23.48	23.63	23.49
5	QPSK	12	0	22.55	22.68	22.51
5	QPSK	12	7	22.63	22.66	22.54
5	QPSK	12	13	22.42	22.66	22.57
5	QPSK	25	0	22.65	22.46	22.45
5	16QAM	1	0	22.87	22.80	22.77
5	16QAM	1	12	22.65	22.74	22.81
5	16QAM	1	24	22.75	22.81	22.63
5	16QAM	12	0	21.72	21.66	21.67
5	16QAM	12	7	21.63	21.72	21.63
5	16QAM	12	13	21.76	21.59	21.66
5	16QAM	25	0	21.73	21.71	21.59
5	64QAM	1	0	22.75	22.93	22.65
5	64QAM	1	12	22.79	22.82	22.92
5	64QAM	1	24	22.76	22.72	22.80
5	64QAM	12	0	21.86	21.76	21.92
5	64QAM	12	7	21.65	21.89	21.65
5	64QAM	12	13	21.63	21.84	21.74
5	64QAM	25	0	21.92	21.75	21.85



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	23.59	23.66	23.62
10	QPSK	1	25	23.50	23.56	23.61
10	QPSK	1	49	23.58	23.63	23.56
10	QPSK	25	0	22.53	22.78	22.61
10	QPSK	25	12	22.65	22.64	22.63
10	QPSK	25	25	22.57	22.52	22.57
10	QPSK	50	0	22.57	22.61	22.54
10	16QAM	1	0	22.85	22.83	22.80
10	16QAM	1	25	22.66	22.73	22.67
10	16QAM	1	49	22.77	22.77	22.81
10	16QAM	25	0	21.86	21.91	21.79
10	16QAM	25	12	21.75	21.63	21.83
10	16QAM	25	25	21.69	21.73	21.64
10	16QAM	50	0	21.73	21.70	21.88
10	64QAM	1	0	22.68	22.83	22.81
10	64QAM	1	25	22.85	22.85	22.84
10	64QAM	1	49	22.76	22.78	22.82
10	64QAM	25	0	21.65	21.75	21.65
10	64QAM	25	12	21.63	21.70	21.75
10	64QAM	25	25	21.63	21.82	21.66
10	64QAM	50	0	21.82	21.67	21.77



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	23.59	23.63	23.58
5	QPSK	1	12	23.52	23.59	23.57
5	QPSK	1	24	23.56	23.51	23.50
5	QPSK	12	0	22.52	22.72	22.51
5	QPSK	12	7	22.65	22.73	22.61
5	QPSK	12	13	22.59	22.54	22.45
5	QPSK	25	0	22.68	22.42	22.54
5	16QAM	1	0	22.81	22.88	22.79
5	16QAM	1	12	22.67	22.80	22.85
5	16QAM	1	24	22.69	22.79	22.71
5	16QAM	12	0	21.78	21.74	21.66
5	16QAM	12	7	21.76	21.57	21.67
5	16QAM	12	13	21.82	21.65	21.55
5	16QAM	25	0	21.62	21.74	21.63
5	64QAM	1	0	22.65	22.91	22.69
5	64QAM	1	12	22.80	22.88	22.72
5	64QAM	1	24	22.81	22.73	22.66
5	64QAM	12	0	21.81	21.72	21.87
5	64QAM	12	7	21.76	21.74	21.69
5	64QAM	12	13	21.75	21.71	21.64
5	64QAM	25	0	21.81	21.68	21.73



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	23.70	23.76	23.57
20	QPSK	1	49	23.56	23.70	23.67
20	QPSK	1	99	23.52	23.59	23.66
20	QPSK	50	0	22.66	22.63	22.67
20	QPSK	50	24	22.44	22.46	22.60
20	QPSK	50	50	22.59	22.48	22.46
20	QPSK	100	0	22.42	22.64	22.50
20	16QAM	1	0	22.80	22.84	22.91
20	16QAM	1	49	22.97	22.77	22.86
20	16QAM	1	99	23.05	22.86	22.84
20	16QAM	50	0	21.72	21.68	21.86
20	16QAM	50	24	21.67	21.74	21.58
20	16QAM	50	50	21.67	21.55	21.79
20	16QAM	100	0	21.75	21.56	21.84
20	64QAM	1	0	21.74	22.01	21.99
20	64QAM	1	49	21.78	21.87	21.81
20	64QAM	1	99	22.04	21.94	21.78
20	64QAM	50	0	20.71	20.77	20.66
20	64QAM	50	24	20.78	20.89	20.83
20	64QAM	50	50	20.70	20.86	20.71
20	64QAM	100	0	20.79	20.84	20.81





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	23.71	23.73	23.67
15	QPSK	1	37	23.61	23.71	23.69
15	QPSK	1	74	23.55	23.64	23.64
15	QPSK	36	0	22.58	22.70	22.69
15	QPSK	36	20	22.56	22.65	22.58
15	QPSK	36	39	22.66	22.66	22.59
15	QPSK	75	0	22.63	22.52	22.46
15	16QAM	1	0	22.94	22.86	22.90
15	16QAM	1	37	22.87	22.77	22.69
15	16QAM	1	74	22.72	22.87	22.85
15	16QAM	36	0	21.79	21.86	21.69
15	16QAM	36	20	21.61	21.81	21.73
15	16QAM	36	39	21.79	21.68	21.59
15	16QAM	75	0	21.86	21.57	21.70
15	64QAM	1	0	21.83	21.90	21.89
15	64QAM	1	37	21.81	21.86	21.88
15	64QAM	1	74	21.74	21.83	21.84
15	64QAM	36	0	20.77	20.85	20.73
15	64QAM	36	20	20.68	20.88	20.71
15	64QAM	36	39	20.59	20.64	20.79
15	64QAM	75	0	20.72	20.60	20.77



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	23.63	23.74	23.58
10	QPSK	1	25	23.58	23.67	23.71
10	QPSK	1	49	23.64	23.66	23.65
10	QPSK	25	0	22.69	22.70	22.46
10	QPSK	25	12	22.75	22.75	22.45
10	QPSK	25	25	22.67	22.57	22.54
10	QPSK	50	0	22.57	22.70	22.53
10	16QAM	1	0	22.78	22.80	22.80
10	16QAM	1	25	22.68	22.66	22.70
10	16QAM	1	49	23.03	22.72	22.67
10	16QAM	25	0	21.75	21.93	21.79
10	16QAM	25	12	21.80	21.85	21.75
10	16QAM	25	25	21.83	21.63	21.77
10	16QAM	50	0	21.85	21.86	21.77
10	64QAM	1	0	21.78	21.92	21.97
10	64QAM	1	25	21.86	21.87	21.76
10	64QAM	1	49	21.73	21.84	21.86
10	64QAM	25	0	20.72	20.82	20.65
10	64QAM	25	12	20.82	20.69	20.65
10	64QAM	25	25	20.85	20.82	20.87
10	64QAM	50	0	20.81	20.79	20.66



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	23.57	23.72	23.69
5	QPSK	1	12	23.60	23.59	23.64
5	QPSK	1	24	23.62	23.63	23.66
5	QPSK	12	0	22.56	22.84	22.53
5	QPSK	12	7	22.72	22.58	22.56
5	QPSK	12	13	22.54	22.62	22.66
5	QPSK	25	0	22.59	22.51	22.59
5	16QAM	1	0	22.71	22.83	22.72
5	16QAM	1	12	22.65	22.76	22.89
5	16QAM	1	24	22.73	22.83	22.68
5	16QAM	12	0	21.78	21.64	21.88
5	16QAM	12	7	21.54	21.83	21.55
5	16QAM	12	13	21.60	21.81	21.60
5	16QAM	25	0	21.69	21.73	21.60
5	64QAM	1	0	21.88	21.90	21.80
5	64QAM	1	12	21.81	21.86	21.95
5	64QAM	1	24	21.88	22.01	21.81
5	64QAM	12	0	20.99	20.85	20.87
5	64QAM	12	7	20.99	20.78	20.74
5	64QAM	12	13	20.75	20.97	20.81
5	64QAM	25	0	20.80	20.85	20.92



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	23.69	23.74	23.68
3	QPSK	1	8	23.50	23.71	23.66
3	QPSK	1	14	23.66	23.67	23.69
3	QPSK	8	0	22.63	22.73	22.72
3	QPSK	8	4	22.72	22.62	22.60
3	QPSK	8	7	22.52	22.70	22.61
3	QPSK	15	0	22.60	22.68	22.64
3	16QAM	1	0	22.96	23.06	22.79
3	16QAM	1	8	22.89	22.90	22.78
3	16QAM	1	14	22.94	22.77	22.98
3	16QAM	8	0	21.85	21.68	21.86
3	16QAM	8	4	21.56	21.67	21.60
3	16QAM	8	7	21.72	21.63	21.57
3	16QAM	15	0	21.68	21.55	21.56
3	64QAM	1	0	21.74	21.80	21.66
3	64QAM	1	8	21.69	21.82	21.71
3	64QAM	1	14	21.74	21.82	21.87
3	64QAM	8	0	20.70	20.84	20.86
3	64QAM	8	4	20.76	20.82	20.74
3	64QAM	8	7	20.85	20.63	20.86
3	64QAM	15	0	20.86	20.81	20.68



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26047	26365	26683
Frequency (MHz)				1850.7	1882.5	1914.3
1.4	QPSK	1	0	23.69	23.73	23.64
1.4	QPSK	1	3	23.59	23.61	23.64
1.4	QPSK	1	5	23.63	23.62	23.69
1.4	QPSK	3	0	22.59	22.82	22.65
1.4	QPSK	3	1	22.65	22.61	22.59
1.4	QPSK	3	3	22.50	22.51	22.67
1.4	QPSK	6	0	22.60	22.73	22.55
1.4	16QAM	1	0	22.87	22.89	22.75
1.4	16QAM	1	3	22.64	22.86	22.77
1.4	16QAM	1	5	22.81	22.85	22.75
1.4	16QAM	3	0	21.65	21.81	21.69
1.4	16QAM	3	1	21.53	21.64	21.78
1.4	16QAM	3	3	21.63	21.78	21.65
1.4	16QAM	6	0	21.77	21.53	21.61
1.4	64QAM	1	0	21.99	21.97	21.96
1.4	64QAM	1	3	22.07	21.84	22.09
1.4	64QAM	1	5	21.85	22.03	22.09
1.4	64QAM	3	0	20.93	20.77	20.71
1.4	64QAM	3	1	20.89	20.94	20.71
1.4	64QAM	3	3	20.90	20.87	20.90
1.4	64QAM	6	0	20.66	20.74	20.88



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26865	26915	26965
Frequency (MHz)				831.5	836.5	841.5
15	QPSK	1	0	23.69	23.73	23.64
15	QPSK	1	37	23.59	23.61	23.64
15	QPSK	1	74	23.63	23.62	23.69
15	QPSK	36	0	22.59	22.82	22.65
15	QPSK	36	20	22.65	22.61	22.59
15	QPSK	36	39	22.50	22.51	22.67
15	QPSK	75	0	22.60	22.73	22.55
15	16QAM	1	0	22.87	22.89	22.75
15	16QAM	1	37	22.64	22.86	22.77
15	16QAM	1	74	22.81	22.85	22.75
15	16QAM	36	0	21.65	21.81	21.69
15	16QAM	36	20	21.53	21.64	21.78
15	16QAM	36	39	21.63	21.78	21.65
15	16QAM	75	0	21.77	21.53	21.61
15	64QAM	1	0	21.99	21.97	21.96
15	64QAM	1	37	22.07	21.84	22.09
15	64QAM	1	74	21.85	22.03	22.09
15	64QAM	36	0	20.93	20.77	20.71
15	64QAM	36	20	20.89	20.94	20.71
15	64QAM	36	39	20.90	20.87	20.90
15	64QAM	75	0	20.66	20.74	20.88



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	23.62	23.63	23.58
10	QPSK	1	25	23.54	23.45	23.55
10	QPSK	1	49	23.49	23.58	23.59
10	QPSK	25	0	22.53	22.53	22.42
10	QPSK	25	12	22.50	22.37	22.55
10	QPSK	25	25	22.43	22.42	22.42
10	QPSK	50	0	22.38	22.32	22.33
10	16QAM	1	0	22.69	22.77	22.56
10	16QAM	1	25	22.52	22.82	22.54
10	16QAM	1	49	22.58	22.77	22.49
10	16QAM	25	0	21.66	21.61	21.69
10	16QAM	25	12	21.47	21.48	21.49
10	16QAM	25	25	21.64	21.53	21.53
10	16QAM	50	0	21.67	21.56	21.54
10	64QAM	1	0	21.75	21.76	21.63
10	64QAM	1	25	21.71	21.78	21.75
10	64QAM	1	49	21.78	21.73	21.79
10	64QAM	25	0	20.57	20.74	20.71
10	64QAM	25	12	20.62	20.69	20.51
10	64QAM	25	25	20.62	20.78	20.62
10	64QAM	50	0	20.53	20.59	20.65



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	23.56	23.62	23.65
5	QPSK	1	12	23.57	23.64	23.51
5	QPSK	1	24	23.43	23.57	23.50
5	QPSK	12	0	22.58	22.54	22.41
5	QPSK	12	7	22.37	22.60	22.31
5	QPSK	12	13	22.47	22.44	22.43
5	QPSK	25	0	22.37	22.56	22.45
5	16QAM	1	0	22.85	22.66	22.74
5	16QAM	1	12	22.63	22.65	22.74
5	16QAM	1	24	22.62	22.62	22.66
5	16QAM	12	0	21.72	21.75	21.64
5	16QAM	12	7	21.53	21.62	21.59
5	16QAM	12	13	21.66	21.65	21.54
5	16QAM	25	0	21.50	21.64	21.63
5	64QAM	1	0	21.55	21.74	21.77
5	64QAM	1	12	21.77	21.74	21.68
5	64QAM	1	24	21.82	21.61	21.63
5	64QAM	12	0	20.72	20.54	20.63
5	64QAM	12	7	20.72	20.80	20.56
5	64QAM	12	13	20.58	20.71	20.59
5	64QAM	25	0	20.71	20.58	20.54





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	23.58	23.63	23.61
3	QPSK	1	8	23.51	23.59	23.39
3	QPSK	1	14	23.50	23.60	23.55
3	QPSK	8	0	22.57	22.61	22.42
3	QPSK	8	4	22.45	22.45	22.42
3	QPSK	8	7	22.48	22.43	22.39
3	QPSK	15	0	22.29	22.52	22.37
3	16QAM	1	0	22.70	22.82	22.77
3	16QAM	1	8	22.55	22.81	22.78
3	16QAM	1	14	22.57	22.56	22.57
3	16QAM	8	0	21.65	21.57	21.70
3	16QAM	8	4	21.53	21.42	21.43
3	16QAM	8	7	21.48	21.50	21.56
3	16QAM	15	0	21.41	21.48	21.50
3	64QAM	1	0	21.59	21.68	21.83
3	64QAM	1	8	21.63	21.76	21.90
3	64QAM	1	14	21.63	21.78	21.87
3	64QAM	8	0	20.78	20.78	20.51
3	64QAM	8	4	20.66	20.72	20.53
3	64QAM	8	7	20.65	20.65	20.55
3	64QAM	15	0	20.64	20.53	20.57



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	23.58	23.63	23.61
1.4	QPSK	1	3	23.51	23.59	23.39
1.4	QPSK	1	5	23.50	23.60	23.55
1.4	QPSK	3	0	22.57	22.61	22.42
1.4	QPSK	3	1	22.45	22.45	22.42
1.4	QPSK	3	3	22.48	22.43	22.39
1.4	QPSK	6	0	22.29	22.52	22.37
1.4	16QAM	1	0	22.70	22.82	22.77
1.4	16QAM	1	3	22.55	22.81	22.78
1.4	16QAM	1	5	22.57	22.56	22.57
1.4	16QAM	3	0	21.65	21.57	21.70
1.4	16QAM	3	1	21.53	21.42	21.43
1.4	16QAM	3	3	21.48	21.50	21.56
1.4	16QAM	6	0	21.41	21.48	21.50
1.4	64QAM	1	0	21.59	21.68	21.83
1.4	64QAM	1	3	21.63	21.76	21.90
1.4	64QAM	1	5	21.63	21.78	21.87
1.4	64QAM	3	0	20.78	20.78	20.51
1.4	64QAM	3	1	20.66	20.72	20.53
1.4	64QAM	3	3	20.65	20.65	20.55
1.4	64QAM	6	0	20.64	20.53	20.57



LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	23.05	23.20	24.41
20	QPSK	1	49	23.06	23.06	24.39
20	QPSK	1	99	23.09	23.09	24.23
20	QPSK	50	0	22.04	22.21	22.15
20	QPSK	50	24	22.06	22.16	22.32
20	QPSK	50	50	22.08	22.03	22.23
20	QPSK	100	0	22.11	22.05	22.08
20	16QAM	1	0	22.15	22.20	23.48
20	16QAM	1	49	22.16	22.17	23.26
20	16QAM	1	99	22.10	22.05	23.50
20	16QAM	50	0	21.15	21.19	21.54
20	16QAM	50	24	21.09	21.02	21.28
20	16QAM	50	50	21.00	21.08	21.19
20	16QAM	100	0	21.20	21.08	21.45
20	64QAM	1	0	21.05	21.22	22.25
20	64QAM	1	49	21.18	21.17	22.57
20	64QAM	1	99	21.07	21.22	22.57
20	64QAM	50	0	20.13	20.22	20.42
20	64QAM	50	24	20.24	20.02	20.46
20	64QAM	50	50	20.16	20.06	20.52
20	64QAM	100	0	20.25	20.16	20.50



LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	23.05	23.16	24.16
15	QPSK	1	37	23.10	23.01	24.32
15	QPSK	1	74	23.01	23.09	24.11
15	QPSK	36	0	22.07	22.08	22.17
15	QPSK	36	20	22.01	22.09	22.44
15	QPSK	36	39	22.03	22.06	22.30
15	QPSK	75	0	22.00	22.06	22.32
15	16QAM	1	0	22.10	22.23	23.56
15	16QAM	1	37	22.29	22.13	23.50
15	16QAM	1	74	22.10	22.29	23.40
15	16QAM	36	0	21.25	21.09	21.55
15	16QAM	36	20	21.13	21.10	21.23
15	16QAM	36	39	21.03	21.07	21.50
15	16QAM	75	0	21.15	21.19	21.52
15	64QAM	1	0	21.34	21.29	22.30
15	64QAM	1	37	21.38	21.25	22.40
15	64QAM	1	74	21.39	21.26	22.35
15	64QAM	36	0	20.16	20.27	20.60
15	64QAM	36	20	20.22	20.30	20.43
15	64QAM	36	39	20.16	20.03	20.45
15	64QAM	75	0	20.23	20.13	20.24



LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	23.15	23.16	24.15
10	QPSK	1	25	23.03	23.09	24.13
10	QPSK	1	49	23.16	23.05	24.39
10	QPSK	25	0	22.03	22.06	22.18
10	QPSK	25	12	22.04	22.02	22.16
10	QPSK	25	25	22.01	22.04	22.15
10	QPSK	50	0	22.02	22.09	22.12
10	16QAM	1	0	22.19	22.31	23.59
10	16QAM	1	25	22.24	22.32	23.29
10	16QAM	1	49	22.23	22.20	23.49
10	16QAM	25	0	21.05	21.10	21.44
10	16QAM	25	12	21.04	21.05	21.27
10	16QAM	25	25	21.05	21.12	21.36
10	16QAM	50	0	21.16	21.15	21.41
10	64QAM	1	0	21.13	21.13	22.23
10	64QAM	1	25	21.05	21.20	22.63
10	64QAM	1	49	21.11	21.18	22.46
10	64QAM	25	0	20.23	20.23	20.59
10	64QAM	25	12	20.05	20.11	20.42
10	64QAM	25	25	20.02	20.11	20.26
10	64QAM	50	0	20.08	20.21	20.57



LTE Band 41 (Power Class 3)						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	23.07	23.18	24.39
5	QPSK	1	12	23.10	23.14	24.40
5	QPSK	1	24	23.10	23.14	24.25
5	QPSK	12	0	22.11	22.05	22.28
5	QPSK	12	7	22.07	22.01	22.33
5	QPSK	12	13	22.01	22.05	22.20
5	QPSK	25	0	22.06	22.00	22.27
5	16QAM	1	0	22.30	22.31	23.60
5	16QAM	1	12	22.06	22.08	23.33
5	16QAM	1	24	22.06	22.09	23.24
5	16QAM	12	0	21.00	21.22	21.45
5	16QAM	12	7	21.07	21.17	21.33
5	16QAM	12	13	21.01	21.02	21.41
5	16QAM	25	0	21.08	21.07	21.43
5	64QAM	1	0	21.25	21.35	22.40
5	64QAM	1	12	21.37	21.24	22.51
5	64QAM	1	24	21.38	21.20	22.47
5	64QAM	12	0	20.15	20.16	20.61
5	64QAM	12	7	20.18	20.23	20.38
5	64QAM	12	13	20.19	20.02	20.23
5	64QAM	25	0	20.21	20.10	20.34



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	23.53	23.68	23.59
20	QPSK	1	49	23.51	23.56	23.57
20	QPSK	1	99	23.57	23.48	23.38
20	QPSK	50	0	23.52	23.56	23.33
20	QPSK	50	24	23.58	23.63	23.42
20	QPSK	50	50	23.48	23.33	23.47
20	QPSK	100	0	23.37	23.40	23.41
20	16QAM	1	0	23.57	23.59	23.52
20	16QAM	1	49	23.52	23.51	23.61
20	16QAM	1	99	23.60	23.54	23.57
20	16QAM	50	0	23.48	23.60	23.46
20	16QAM	50	24	23.42	23.61	23.49
20	16QAM	50	50	23.46	23.47	23.45
20	16QAM	100	0	23.52	23.59	23.58
20	64QAM	1	0	20.18	20.39	20.29
20	64QAM	1	49	20.16	20.31	20.44
20	64QAM	1	99	20.28	20.27	20.37
20	64QAM	50	0	20.34	20.08	20.09
20	64QAM	50	24	20.16	20.10	20.09
20	64QAM	50	50	20.17	20.28	20.14
20	64QAM	100	0	20.18	20.07	20.12



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	23.59	23.65	23.57
15	QPSK	1	37	23.61	23.52	23.45
15	QPSK	1	74	23.44	23.66	23.36
15	QPSK	36	0	23.63	23.59	23.62
15	QPSK	36	20	23.36	23.35	23.51
15	QPSK	36	39	23.38	23.33	23.43
15	QPSK	75	0	23.39	23.41	23.50
15	16QAM	1	0	23.55	23.61	23.50
15	16QAM	1	37	23.53	23.60	23.57
15	16QAM	1	74	23.61	23.55	23.49
15	16QAM	36	0	23.53	23.53	23.58
15	16QAM	36	20	23.56	23.55	23.55
15	16QAM	36	39	23.52	23.49	23.35
15	16QAM	75	0	23.50	23.44	23.49
15	64QAM	1	0	20.22	20.40	20.28
15	64QAM	1	37	20.27	20.30	20.28
15	64QAM	1	74	20.31	20.35	20.17
15	64QAM	36	0	20.14	20.27	20.15
15	64QAM	36	20	20.24	20.30	20.21
15	64QAM	36	39	20.25	20.11	20.10
15	64QAM	75	0	20.30	20.08	20.13





LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	23.48	23.64	23.46
10	QPSK	1	25	23.59	23.47	23.52
10	QPSK	1	49	23.51	23.61	23.42
10	QPSK	25	0	23.49	23.60	23.34
10	QPSK	25	12	23.56	23.59	23.49
10	QPSK	25	25	23.39	23.46	23.46
10	QPSK	50	0	23.40	23.32	23.35
10	16QAM	1	0	23.61	23.55	23.57
10	16QAM	1	25	23.53	23.58	23.54
10	16QAM	1	49	23.51	23.60	23.53
10	16QAM	25	0	23.61	23.56	23.48
10	16QAM	25	12	23.36	23.46	23.63
10	16QAM	25	25	23.54	23.38	23.31
10	16QAM	50	0	23.51	23.46	23.49
10	64QAM	1	0	20.10	20.21	20.02
10	64QAM	1	25	20.16	20.28	20.25
10	64QAM	1	49	20.39	20.17	20.17
10	64QAM	25	0	20.36	20.09	20.16
10	64QAM	25	12	20.03	20.03	20.06
10	64QAM	25	25	20.05	20.09	20.14
10	64QAM	50	0	20.09	20.17	20.10



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	23.59	23.66	23.55
5	QPSK	1	12	23.56	23.53	23.55
5	QPSK	1	24	23.57	23.58	23.53
5	QPSK	12	0	23.63	23.47	23.57
5	QPSK	12	7	23.53	23.43	23.34
5	QPSK	12	13	23.55	23.38	23.41
5	QPSK	25	0	23.49	23.48	23.35
5	16QAM	1	0	23.56	23.63	23.62
5	16QAM	1	12	23.49	23.59	23.55
5	16QAM	1	24	23.61	23.56	23.49
5	16QAM	12	0	23.54	23.54	23.47
5	16QAM	12	7	23.60	23.46	23.52
5	16QAM	12	13	23.56	23.52	23.43
5	16QAM	25	0	23.45	23.51	23.59
5	64QAM	1	0	20.39	20.36	20.01
5	64QAM	1	12	20.45	20.30	20.21
5	64QAM	1	24	20.24	20.33	20.28
5	64QAM	12	0	20.20	20.26	20.31
5	64QAM	12	7	20.28	20.38	20.18
5	64QAM	12	13	20.17	20.32	20.18
5	64QAM	25	0	20.05	20.00	20.19



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	23.53	23.63	23.61
3	QPSK	1	8	23.54	23.54	23.62
3	QPSK	1	14	23.42	23.48	23.55
3	QPSK	8	0	23.39	23.38	23.28
3	QPSK	8	4	23.38	23.31	23.40
3	QPSK	8	7	23.35	23.50	23.26
3	QPSK	15	0	23.29	23.31	23.35
3	16QAM	1	0	23.49	23.60	23.57
3	16QAM	1	8	23.54	23.57	23.53
3	16QAM	1	14	23.57	23.51	23.50
3	16QAM	8	0	23.53	23.52	23.52
3	16QAM	8	4	23.48	23.47	23.51
3	16QAM	8	7	23.60	23.59	23.48
3	16QAM	15	0	23.66	23.54	23.56
3	64QAM	1	0	20.28	20.26	20.30
3	64QAM	1	8	20.35	20.45	20.27
3	64QAM	1	14	20.32	20.37	20.43
3	64QAM	8	0	20.34	20.29	20.28
3	64QAM	8	4	20.18	20.07	20.00
3	64QAM	8	7	20.01	20.02	20.02
3	64QAM	15	0	20.04	20.10	20.15



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	23.46	23.64	23.62
1.4	QPSK	1	3	23.36	23.53	23.61
1.4	QPSK	1	5	23.57	23.43	23.35
1.4	QPSK	3	0	23.48	23.54	23.49
1.4	QPSK	3	1	23.38	23.54	23.50
1.4	QPSK	3	3	23.34	23.46	23.42
1.4	QPSK	6	0	23.20	23.41	23.27
1.4	16QAM	1	0	23.60	23.58	23.52
1.4	16QAM	1	3	23.57	23.61	23.56
1.4	16QAM	1	5	23.56	23.54	23.49
1.4	16QAM	3	0	23.60	23.56	23.49
1.4	16QAM	3	1	23.54	23.55	23.38
1.4	16QAM	3	3	23.49	23.44	23.52
1.4	16QAM	6	0	23.55	23.54	23.51
1.4	64QAM	1	0	20.25	20.37	20.32
1.4	64QAM	1	3	20.11	20.29	20.44
1.4	64QAM	1	5	20.42	20.42	20.43
1.4	64QAM	3	0	20.29	20.18	20.26
1.4	64QAM	3	1	20.29	20.35	20.05
1.4	64QAM	3	3	20.23	20.27	20.07
1.4	64QAM	6	0	20.07	20.12	20.18



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	23.53	23.62	23.57
20	QPSK	1	49	23.52	23.50	23.52
20	QPSK	1	99	23.54	23.50	23.53
20	QPSK	50	0	22.60	22.61	22.56
20	QPSK	50	24	22.57	22.55	22.59
20	QPSK	50	50	22.53	22.57	22.60
20	QPSK	100	0	22.58	22.51	22.55
20	16QAM	1	0	22.87	22.89	22.64
20	16QAM	1	49	22.65	22.79	22.59
20	16QAM	1	99	22.60	22.73	22.54
20	16QAM	50	0	21.71	21.84	21.53
20	16QAM	50	24	21.56	21.63	21.56
20	16QAM	50	50	21.50	21.56	21.59
20	16QAM	100	0	21.58	21.49	21.53
20	64QAM	1	0	21.71	21.87	21.78
20	64QAM	1	49	21.81	21.75	21.76
20	64QAM	1	99	21.65	21.87	21.71
20	64QAM	50	0	20.70	20.85	20.80
20	64QAM	50	24	20.83	20.67	20.78
20	64QAM	50	50	20.61	20.53	20.54
20	64QAM	100	0	20.66	20.55	20.66



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				133197	133297	133397
Frequency (MHz)				670.5	680.5	690.5
15	QPSK	1	0	23.56	23.60	23.51
15	QPSK	1	37	23.41	23.54	23.58
15	QPSK	1	74	23.50	23.51	23.39
15	QPSK	36	0	22.60	22.63	22.56
15	QPSK	36	20	22.52	22.60	22.60
15	QPSK	36	39	22.58	22.57	22.56
15	QPSK	75	0	22.55	22.59	22.50
15	16QAM	1	0	22.92	22.63	22.66
15	16QAM	1	37	22.83	22.70	22.69
15	16QAM	1	74	22.90	22.85	22.59
15	16QAM	36	0	21.80	21.55	21.68
15	16QAM	36	20	21.62	21.54	21.56
15	16QAM	36	39	21.57	21.69	21.57
15	16QAM	75	0	21.67	21.65	21.72
15	64QAM	1	0	21.78	21.58	21.77
15	64QAM	1	37	21.81	21.72	21.86
15	64QAM	1	74	21.77	21.73	21.66
15	64QAM	36	0	20.65	20.89	20.76
15	64QAM	36	20	20.71	20.65	20.79
15	64QAM	36	39	20.42	20.81	20.77
15	64QAM	75	0	20.66	20.48	20.58



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	23.56	23.59	23.57
10	QPSK	1	25	23.55	23.46	23.40
10	QPSK	1	49	23.51	23.51	23.38
10	QPSK	25	0	22.58	22.55	22.53
10	QPSK	25	12	22.55	22.60	22.54
10	QPSK	25	25	22.59	22.57	22.54
10	QPSK	50	0	22.55	22.53	22.57
10	16QAM	1	0	22.62	22.90	22.80
10	16QAM	1	25	22.76	22.67	22.66
10	16QAM	1	49	22.81	22.75	22.59
10	16QAM	25	0	21.51	21.59	21.54
10	16QAM	25	12	21.70	21.47	21.63
10	16QAM	25	25	21.44	21.64	21.42
10	16QAM	50	0	21.64	21.37	21.50
10	64QAM	1	0	21.75	21.77	21.84
10	64QAM	1	25	21.83	21.80	21.79
10	64QAM	1	49	21.65	21.68	21.73
10	64QAM	25	0	20.85	20.82	20.56
10	64QAM	25	12	20.74	20.53	20.78
10	64QAM	25	25	20.63	20.73	20.59
10	64QAM	50	0	20.63	20.73	20.76



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5
5	QPSK	1	0	23.35	23.60	23.49
5	QPSK	1	12	23.35	23.51	23.57
5	QPSK	1	24	23.54	23.55	23.45
5	QPSK	12	0	22.56	22.52	22.51
5	QPSK	12	7	22.59	22.65	22.53
5	QPSK	12	13	22.55	22.51	22.63
5	QPSK	25	0	22.51	22.57	22.58
5	16QAM	1	0	22.64	22.78	22.89
5	16QAM	1	12	22.70	22.76	22.71
5	16QAM	1	24	22.57	22.60	22.58
5	16QAM	12	0	21.70	21.84	21.77
5	16QAM	12	7	21.49	21.60	21.55
5	16QAM	12	13	21.56	21.68	21.60
5	16QAM	25	0	21.43	21.58	21.47
5	64QAM	1	0	21.69	21.64	21.64
5	64QAM	1	12	21.91	21.80	21.92
5	64QAM	1	24	21.83	21.73	21.84
5	64QAM	12	0	20.63	20.84	20.57
5	64QAM	12	7	20.75	20.58	20.78
5	64QAM	12	13	20.62	20.63	20.69
5	64QAM	25	0	20.53	20.60	20.76





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

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.91	0.310	25.05	0.320	24.84	0.305
20	QPSK	1	49	24.85	0.305	25.01	0.317	24.82	0.303
20	QPSK	1	99	24.81	0.303	24.93	0.311	24.79	0.301
20	QPSK	50	0	23.93	0.247	23.99	0.251	23.87	0.244
20	QPSK	50	24	23.90	0.245	23.95	0.248	23.84	0.242
20	QPSK	50	50	23.82	0.241	23.88	0.244	23.76	0.238
20	QPSK	100	0	23.85	0.243	23.91	0.246	23.80	0.240
20	16QAM	1	0	24.30	0.269	24.33	0.271	24.25	0.266
20	16QAM	1	49	24.19	0.262	24.27	0.267	24.22	0.264
20	16QAM	1	99	24.26	0.267	24.24	0.265	24.18	0.262
20	16QAM	50	0	23.01	0.200	23.04	0.201	22.98	0.199
20	16QAM	50	24	22.91	0.195	22.97	0.198	22.90	0.195
20	16QAM	50	50	22.89	0.195	22.90	0.195	22.86	0.193
20	16QAM	100	0	22.93	0.196	22.91	0.195	22.94	0.197
20	64QAM	1	0	24.27	0.267	24.30	0.269	24.24	0.265
20	64QAM	1	49	24.19	0.262	24.26	0.267	24.19	0.262
20	64QAM	1	99	24.15	0.260	24.22	0.264	24.20	0.263
20	64QAM	50	0	23.03	0.201	23.05	0.202	22.97	0.198
20	64QAM	50	24	23.00	0.200	23.01	0.200	22.95	0.197
20	64QAM	50	50	22.89	0.195	22.96	0.198	22.90	0.195
20	64QAM	100	0	22.95	0.197	22.93	0.196	22.91	0.195



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.96	0.313	25.01	0.317	24.93	0.311
15	QPSK	1	37	24.74	0.298	24.95	0.313	24.87	0.307
15	QPSK	1	74	24.83	0.304	24.89	0.308	24.75	0.299
15	QPSK	36	0	23.89	0.245	24.09	0.256	23.86	0.243
15	QPSK	36	20	23.84	0.242	24.00	0.251	23.71	0.235
15	QPSK	36	39	23.87	0.244	23.86	0.243	23.73	0.236
15	QPSK	75	0	23.78	0.239	23.84	0.242	23.79	0.239
15	16QAM	1	0	24.16	0.261	24.18	0.262	24.24	0.265
15	16QAM	1	37	24.22	0.264	24.29	0.269	24.08	0.256
15	16QAM	1	74	24.16	0.261	24.35	0.272	24.32	0.270
15	16QAM	36	0	23.18	0.208	23.20	0.209	23.17	0.207
15	16QAM	36	20	23.07	0.203	22.91	0.195	23.09	0.204
15	16QAM	36	39	23.03	0.201	23.07	0.203	23.00	0.200
15	16QAM	75	0	22.79	0.190	22.78	0.190	22.84	0.192
15	64QAM	1	0	24.31	0.270	24.35	0.272	24.29	0.269
15	64QAM	1	37	24.27	0.267	24.24	0.265	24.27	0.267
15	64QAM	1	74	24.13	0.259	24.26	0.267	24.21	0.264
15	64QAM	36	0	23.11	0.205	23.05	0.202	22.97	0.198
15	64QAM	36	20	23.19	0.208	23.03	0.201	23.08	0.203
15	64QAM	36	39	22.80	0.191	22.82	0.191	22.84	0.192
15	64QAM	75	0	23.08	0.203	23.03	0.201	22.80	0.191



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.99	0.316	25.02	0.318	24.76	0.299
10	QPSK	1	25	24.72	0.296	24.90	0.309	24.71	0.296
10	QPSK	1	49	24.71	0.296	24.85	0.305	24.67	0.293
10	QPSK	25	0	24.10	0.257	24.09	0.256	23.94	0.248
10	QPSK	25	12	23.93	0.247	23.89	0.245	24.02	0.252
10	QPSK	25	25	23.82	0.241	23.88	0.244	23.61	0.230
10	QPSK	50	0	23.78	0.239	23.91	0.246	23.81	0.240
10	16QAM	1	0	24.28	0.268	24.36	0.273	24.34	0.272
10	16QAM	1	25	24.04	0.254	24.32	0.270	24.28	0.268
10	16QAM	1	49	24.43	0.277	24.16	0.261	24.11	0.258
10	16QAM	25	0	22.99	0.199	23.18	0.208	22.89	0.195
10	16QAM	25	12	22.79	0.190	23.00	0.200	23.07	0.203
10	16QAM	25	25	23.07	0.203	22.99	0.199	22.92	0.196
10	16QAM	50	0	23.08	0.203	22.96	0.198	22.96	0.198
10	64QAM	1	0	24.12	0.258	24.29	0.269	24.19	0.262
10	64QAM	1	25	24.36	0.273	24.39	0.275	24.27	0.267
10	64QAM	1	49	24.09	0.256	24.42	0.277	24.33	0.271
10	64QAM	25	0	23.01	0.200	23.01	0.200	23.00	0.200
10	64QAM	25	12	23.20	0.209	23.01	0.200	23.15	0.207
10	64QAM	25	25	23.05	0.202	23.07	0.203	22.96	0.198
10	64QAM	50	0	22.86	0.193	23.00	0.200	22.80	0.191



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.83	0.304	25.01	0.317	24.93	0.311
5	QPSK	1	12	24.93	0.311	24.87	0.307	24.72	0.296
5	QPSK	1	24	24.91	0.310	24.98	0.315	24.76	0.299
5	QPSK	12	0	23.84	0.242	24.13	0.259	23.98	0.250
5	QPSK	12	7	23.94	0.248	24.11	0.258	23.98	0.250
5	QPSK	12	13	23.77	0.238	23.88	0.244	23.96	0.249
5	QPSK	25	0	23.83	0.242	23.95	0.248	23.78	0.239
5	16QAM	1	0	24.36	0.273	24.49	0.281	24.41	0.276
5	16QAM	1	12	24.31	0.270	24.17	0.261	24.17	0.261
5	16QAM	1	24	24.38	0.274	24.43	0.277	24.21	0.264
5	16QAM	12	0	23.02	0.200	23.14	0.206	22.84	0.192
5	16QAM	12	7	23.03	0.201	22.85	0.193	23.00	0.200
5	16QAM	12	13	22.99	0.199	22.90	0.195	22.90	0.195
5	16QAM	25	0	22.86	0.193	23.10	0.204	23.08	0.203
5	64QAM	1	0	24.37	0.274	24.21	0.264	24.40	0.275
5	64QAM	1	12	24.09	0.256	24.16	0.261	24.09	0.256
5	64QAM	1	24	24.14	0.259	24.36	0.273	24.37	0.274
5	64QAM	12	0	23.02	0.200	23.07	0.203	22.88	0.194
5	64QAM	12	7	22.94	0.197	23.18	0.208	23.07	0.203
5	64QAM	12	13	23.07	0.203	23.02	0.200	22.88	0.194
5	64QAM	25	0	23.12	0.205	23.11	0.205	22.80	0.191



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.92	0.310	24.99	0.316	24.94	0.312
3	QPSK	1	8	24.70	0.295	24.96	0.313	24.96	0.313
3	QPSK	1	14	24.79	0.301	24.95	0.313	24.75	0.299
3	QPSK	8	0	23.94	0.248	24.11	0.258	23.85	0.243
3	QPSK	8	4	23.76	0.238	23.96	0.249	23.90	0.245
3	QPSK	8	7	23.82	0.241	24.03	0.253	23.73	0.236
3	QPSK	15	0	23.79	0.239	24.00	0.251	23.85	0.243
3	16QAM	1	0	24.15	0.260	24.25	0.266	24.27	0.267
3	16QAM	1	8	24.08	0.256	24.32	0.270	24.29	0.269
3	16QAM	1	14	24.11	0.258	24.10	0.257	24.04	0.254
3	16QAM	8	0	23.09	0.204	23.15	0.207	23.12	0.205
3	16QAM	8	4	23.10	0.204	23.10	0.204	23.03	0.201
3	16QAM	8	7	22.94	0.197	23.06	0.202	22.89	0.195
3	16QAM	15	0	23.09	0.204	23.02	0.200	22.89	0.195
3	64QAM	1	0	24.24	0.265	24.30	0.269	24.31	0.270
3	64QAM	1	8	24.32	0.270	24.15	0.260	24.10	0.257
3	64QAM	1	14	24.10	0.257	24.23	0.265	24.13	0.259
3	64QAM	8	0	23.06	0.202	23.01	0.200	22.90	0.195
3	64QAM	8	4	23.08	0.203	23.02	0.200	23.08	0.203
3	64QAM	8	7	22.99	0.199	23.03	0.201	22.90	0.195
3	64QAM	15	0	23.12	0.205	23.11	0.205	23.06	0.202



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.91	0.310	24.97	0.314	24.84	0.305
1.4	QPSK	1	3	24.92	0.310	24.91	0.310	24.76	0.299
1.4	QPSK	1	5	24.87	0.307	24.83	0.304	24.81	0.303
1.4	QPSK	3	0	23.98	0.250	24.08	0.256	23.93	0.247
1.4	QPSK	3	1	24.09	0.256	23.90	0.245	23.82	0.241
1.4	QPSK	3	3	23.92	0.247	23.94	0.248	23.80	0.240
1.4	QPSK	6	0	24.02	0.252	24.03	0.253	23.87	0.244
1.4	16QAM	1	0	24.20	0.263	24.29	0.269	24.26	0.267
1.4	16QAM	1	3	24.25	0.266	24.27	0.267	24.22	0.264
1.4	16QAM	1	5	24.31	0.270	24.11	0.258	24.34	0.272
1.4	16QAM	3	0	23.05	0.202	23.06	0.202	23.12	0.205
1.4	16QAM	3	1	23.09	0.204	23.07	0.203	23.02	0.200
1.4	16QAM	3	3	22.81	0.191	22.82	0.191	22.90	0.195
1.4	16QAM	6	0	23.07	0.203	22.94	0.197	22.87	0.194
1.4	64QAM	1	0	24.47	0.280	24.16	0.261	24.18	0.262
1.4	64QAM	1	3	24.08	0.256	24.26	0.267	24.32	0.270
1.4	64QAM	1	5	24.02	0.252	24.35	0.272	24.24	0.265
1.4	64QAM	3	0	23.06	0.202	23.15	0.207	23.08	0.203
1.4	64QAM	3	1	23.01	0.200	23.04	0.201	23.06	0.202
1.4	64QAM	3	3	23.04	0.201	23.08	0.203	23.03	0.201
1.4	64QAM	6	0	22.97	0.198	22.86	0.193	22.92	0.196



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.67	0.293	24.71	0.296	24.63	0.290
20	QPSK	1	49	24.60	0.288	24.64	0.291	24.47	0.280
20	QPSK	1	99	24.62	0.290	24.63	0.290	24.67	0.293
20	QPSK	50	0	23.56	0.227	23.67	0.233	23.60	0.229
20	QPSK	50	24	23.77	0.238	23.66	0.232	23.54	0.226
20	QPSK	50	50	23.43	0.220	23.61	0.230	23.46	0.222
20	QPSK	100	0	23.49	0.223	23.72	0.236	23.62	0.230
20	16QAM	1	0	23.95	0.248	23.88	0.244	23.86	0.243
20	16QAM	1	49	23.71	0.235	23.83	0.242	24.00	0.251
20	16QAM	1	99	23.82	0.241	23.73	0.236	23.75	0.237
20	16QAM	50	0	22.63	0.183	22.79	0.190	22.60	0.182
20	16QAM	50	24	22.58	0.181	22.62	0.183	22.45	0.176
20	16QAM	50	50	22.70	0.186	22.69	0.186	22.45	0.176
20	16QAM	100	0	22.74	0.188	22.70	0.186	22.76	0.189
20	64QAM	1	0	23.80	0.240	23.86	0.243	23.82	0.241
20	64QAM	1	49	23.78	0.239	23.69	0.234	23.72	0.236
20	64QAM	1	99	23.69	0.234	23.87	0.244	23.68	0.233
20	64QAM	50	0	22.88	0.194	22.82	0.191	22.54	0.179
20	64QAM	50	24	22.90	0.195	22.61	0.182	22.60	0.182
20	64QAM	50	50	22.54	0.179	22.71	0.187	22.63	0.183
20	64QAM	100	0	22.75	0.188	22.73	0.187	22.78	0.190



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.62	0.290	24.68	0.294	24.54	0.284
15	QPSK	1	37	24.59	0.288	24.59	0.288	24.60	0.288
15	QPSK	1	74	24.63	0.290	24.54	0.284	24.50	0.282
15	QPSK	36	0	23.58	0.228	23.80	0.240	23.77	0.238
15	QPSK	36	20	23.62	0.230	23.66	0.232	23.71	0.235
15	QPSK	36	39	23.50	0.224	23.56	0.227	23.65	0.232
15	QPSK	75	0	23.57	0.228	23.58	0.228	23.55	0.226
15	16QAM	1	0	23.96	0.249	23.86	0.243	23.97	0.249
15	16QAM	1	37	23.95	0.248	23.90	0.245	23.71	0.235
15	16QAM	1	74	24.00	0.251	23.91	0.246	23.78	0.239
15	16QAM	36	0	22.73	0.187	22.79	0.190	22.58	0.181
15	16QAM	36	20	22.69	0.186	22.59	0.182	22.65	0.184
15	16QAM	36	39	22.52	0.179	22.61	0.182	22.76	0.189
15	16QAM	75	0	22.55	0.180	22.47	0.177	22.69	0.186
15	64QAM	1	0	23.72	0.236	23.74	0.237	23.85	0.243
15	64QAM	1	37	23.77	0.238	23.78	0.239	23.83	0.242
15	64QAM	1	74	23.79	0.239	23.60	0.229	23.81	0.240
15	64QAM	36	0	22.63	0.183	22.76	0.189	22.70	0.186
15	64QAM	36	20	22.61	0.182	22.63	0.183	22.56	0.180
15	64QAM	36	39	22.63	0.183	22.53	0.179	22.54	0.179
15	64QAM	75	0	22.76	0.189	22.53	0.179	22.69	0.186





LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.65	0.292	24.69	0.294	24.63	0.290
10	QPSK	1	25	24.57	0.286	24.62	0.290	24.52	0.283
10	QPSK	1	49	24.61	0.289	24.60	0.288	24.48	0.281
10	QPSK	25	0	23.71	0.235	23.76	0.238	23.62	0.230
10	QPSK	25	12	23.60	0.229	23.78	0.239	23.51	0.224
10	QPSK	25	25	23.72	0.236	23.58	0.228	23.46	0.222
10	QPSK	50	0	23.66	0.232	23.57	0.228	23.48	0.223
10	16QAM	1	0	23.95	0.248	23.93	0.247	23.89	0.245
10	16QAM	1	25	23.81	0.240	24.00	0.251	23.71	0.235
10	16QAM	1	49	23.90	0.245	23.89	0.245	23.85	0.243
10	16QAM	25	0	22.66	0.185	22.82	0.191	22.87	0.194
10	16QAM	25	12	22.75	0.188	22.55	0.180	22.76	0.189
10	16QAM	25	25	22.77	0.189	22.57	0.181	22.61	0.182
10	16QAM	50	0	22.66	0.185	22.46	0.176	22.73	0.187
10	64QAM	1	0	23.98	0.250	23.91	0.246	23.94	0.248
10	64QAM	1	25	23.62	0.230	23.63	0.231	23.66	0.232
10	64QAM	1	49	23.61	0.230	23.74	0.237	23.75	0.237
10	64QAM	25	0	22.82	0.191	22.70	0.186	22.56	0.180
10	64QAM	25	12	22.86	0.193	22.81	0.191	22.86	0.193
10	64QAM	25	25	22.74	0.188	22.56	0.180	22.62	0.183
10	64QAM	50	0	22.84	0.192	22.50	0.178	22.79	0.190



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.56	0.286	24.68	0.294	24.54	0.284
5	QPSK	1	12	24.59	0.288	24.62	0.290	24.60	0.288
5	QPSK	1	24	24.54	0.284	24.62	0.290	24.56	0.286
5	QPSK	12	0	23.60	0.229	23.77	0.238	23.66	0.232
5	QPSK	12	7	23.59	0.229	23.51	0.224	23.60	0.229
5	QPSK	12	13	23.66	0.232	23.49	0.223	23.57	0.228
5	QPSK	25	0	23.54	0.226	23.53	0.225	23.51	0.224
5	16QAM	1	0	23.82	0.241	23.83	0.242	23.75	0.237
5	16QAM	1	12	23.68	0.233	23.82	0.241	23.81	0.240
5	16QAM	1	24	23.72	0.236	23.75	0.237	23.80	0.240
5	16QAM	12	0	22.71	0.187	22.72	0.187	22.63	0.183
5	16QAM	12	7	22.60	0.182	22.76	0.189	22.55	0.180
5	16QAM	12	13	22.70	0.186	22.72	0.187	22.50	0.178
5	16QAM	25	0	22.59	0.182	22.60	0.182	22.83	0.192
5	64QAM	1	0	23.76	0.238	23.84	0.242	23.92	0.247
5	64QAM	1	12	23.75	0.237	23.68	0.233	23.65	0.232
5	64QAM	1	24	23.76	0.238	23.70	0.234	23.67	0.233
5	64QAM	12	0	22.79	0.190	22.82	0.191	22.56	0.180
5	64QAM	12	7	22.81	0.191	22.63	0.183	22.61	0.182
5	64QAM	12	13	22.79	0.190	22.58	0.181	22.67	0.185
5	64QAM	25	0	22.82	0.191	22.84	0.192	22.60	0.182



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.56	0.286	24.68	0.294	24.54	0.284
3	QPSK	1	8	24.59	0.288	24.62	0.290	24.60	0.288
3	QPSK	1	14	24.54	0.284	24.62	0.290	24.56	0.286
3	QPSK	8	0	23.60	0.229	23.77	0.238	23.66	0.232
3	QPSK	8	4	23.59	0.229	23.51	0.224	23.60	0.229
3	QPSK	8	7	23.66	0.232	23.49	0.223	23.57	0.228
3	QPSK	15	0	23.54	0.226	23.53	0.225	23.51	0.224
3	16QAM	1	0	23.82	0.241	23.83	0.242	23.75	0.237
3	16QAM	1	8	23.68	0.233	23.82	0.241	23.81	0.240
3	16QAM	1	14	23.72	0.236	23.75	0.237	23.80	0.240
3	16QAM	8	0	22.71	0.187	22.72	0.187	22.63	0.183
3	16QAM	8	4	22.60	0.182	22.76	0.189	22.55	0.180
3	16QAM	8	7	22.70	0.186	22.72	0.187	22.50	0.178
3	16QAM	15	0	22.59	0.182	22.60	0.182	22.83	0.192
3	64QAM	1	0	23.76	0.238	23.84	0.242	23.92	0.247
3	64QAM	1	8	23.75	0.237	23.68	0.233	23.65	0.232
3	64QAM	1	14	23.76	0.238	23.70	0.234	23.67	0.233
3	64QAM	8	0	22.79	0.190	22.82	0.191	22.56	0.180
3	64QAM	8	4	22.81	0.191	22.63	0.183	22.61	0.182
3	64QAM	8	7	22.79	0.190	22.58	0.181	22.67	0.185
3	64QAM	15	0	22.82	0.191	22.84	0.192	22.60	0.182



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.64	0.291	24.68	0.294	24.56	0.286
1.4	QPSK	1	3	24.52	0.283	24.65	0.292	24.57	0.286
1.4	QPSK	1	5	24.59	0.288	24.62	0.290	24.60	0.288
1.4	QPSK	3	0	23.61	0.230	23.61	0.230	23.56	0.227
1.4	QPSK	3	1	23.68	0.233	23.80	0.240	23.58	0.228
1.4	QPSK	3	3	23.67	0.233	23.76	0.238	23.52	0.225
1.4	QPSK	6	0	23.59	0.229	23.69	0.234	23.67	0.233
1.4	16QAM	1	0	24.00	0.251	23.98	0.250	23.81	0.240
1.4	16QAM	1	3	23.75	0.237	23.85	0.243	23.90	0.245
1.4	16QAM	1	5	23.95	0.248	23.74	0.237	23.81	0.240
1.4	16QAM	3	0	22.67	0.185	22.66	0.185	22.66	0.185
1.4	16QAM	3	1	22.55	0.180	22.72	0.187	22.57	0.181
1.4	16QAM	3	3	22.69	0.186	22.72	0.187	22.56	0.180
1.4	16QAM	6	0	22.53	0.179	22.81	0.191	22.49	0.177
1.4	64QAM	1	0	23.71	0.235	23.93	0.247	23.69	0.234
1.4	64QAM	1	3	23.69	0.234	23.81	0.240	23.66	0.232
1.4	64QAM	1	5	23.65	0.232	23.82	0.241	23.69	0.234
1.4	64QAM	3	0	22.73	0.187	22.69	0.186	22.77	0.189
1.4	64QAM	3	1	22.68	0.185	22.67	0.185	22.62	0.183
1.4	64QAM	3	3	22.77	0.189	22.53	0.179	22.68	0.185
1.4	64QAM	6	0	22.84	0.192	22.85	0.193	22.76	0.189



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.99	0.158	22.04	0.160	21.96	0.157
10	QPSK	1	25	21.97	0.157	22.00	0.158	21.94	0.156
10	QPSK	1	49	21.97	0.157	21.92	0.156	21.90	0.155
10	QPSK	25	0	20.93	0.124	21.12	0.129	20.87	0.122
10	QPSK	25	12	21.04	0.127	20.98	0.125	20.94	0.124
10	QPSK	25	25	21.00	0.126	20.93	0.124	20.85	0.122
10	QPSK	50	0	20.98	0.125	21.05	0.127	20.83	0.121
10	16QAM	1	0	21.21	0.132	21.28	0.134	21.11	0.129
10	16QAM	1	25	21.14	0.130	21.24	0.133	21.20	0.132
10	16QAM	1	49	21.24	0.133	21.10	0.129	21.33	0.136
10	16QAM	25	0	19.94	0.099	20.03	0.101	20.12	0.103
10	16QAM	25	12	20.09	0.102	19.96	0.099	19.88	0.097
10	16QAM	25	25	20.03	0.101	19.81	0.096	19.94	0.099
10	16QAM	50	0	20.13	0.103	19.95	0.099	20.16	0.104
10	64QAM	1	0	21.19	0.132	21.30	0.135	21.25	0.133
10	64QAM	1	25	21.18	0.131	21.28	0.134	21.21	0.132
10	64QAM	1	49	21.16	0.131	21.24	0.133	21.20	0.132
10	64QAM	25	0	20.11	0.103	20.17	0.104	20.21	0.105
10	64QAM	25	12	20.23	0.105	20.05	0.101	20.11	0.103
10	64QAM	25	25	20.08	0.102	20.09	0.102	20.06	0.101
10	64QAM	50	0	20.00	0.100	20.12	0.103	20.15	0.104



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	21.88	0.154	22.01	0.159	21.94	0.156
5	QPSK	1	12	21.98	0.158	21.95	0.157	21.99	0.158
5	QPSK	1	24	21.87	0.154	21.96	0.157	21.86	0.153
5	QPSK	12	0	20.89	0.123	21.14	0.130	20.92	0.124
5	QPSK	12	7	20.91	0.123	20.87	0.122	21.00	0.126
5	QPSK	12	13	20.94	0.124	20.85	0.122	20.90	0.123
5	QPSK	25	0	21.09	0.129	20.94	0.124	20.86	0.122
5	16QAM	1	0	21.19	0.132	21.27	0.134	21.23	0.133
5	16QAM	1	12	21.12	0.129	21.25	0.133	21.35	0.136
5	16QAM	1	24	21.20	0.132	21.26	0.134	21.11	0.129
5	16QAM	12	0	19.91	0.098	20.12	0.103	20.11	0.103
5	16QAM	12	7	19.94	0.099	20.21	0.105	20.08	0.102
5	16QAM	12	13	20.11	0.103	20.15	0.104	20.06	0.101
5	16QAM	25	0	19.85	0.097	20.12	0.103	19.88	0.097
5	64QAM	1	0	21.06	0.128	21.20	0.132	21.28	0.134
5	64QAM	1	12	21.20	0.132	21.37	0.137	21.44	0.139
5	64QAM	1	24	21.08	0.128	21.37	0.137	21.41	0.138
5	64QAM	12	0	20.04	0.101	20.00	0.100	20.21	0.105
5	64QAM	12	7	19.94	0.099	20.08	0.102	20.01	0.100
5	64QAM	12	13	20.12	0.103	19.95	0.099	19.85	0.097
5	64QAM	25	0	20.09	0.102	19.97	0.099	19.89	0.097



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.95	0.157	22.00	0.158	21.96	0.157
3	QPSK	1	8	21.93	0.156	21.94	0.156	21.95	0.157
3	QPSK	1	14	21.92	0.156	21.99	0.158	21.90	0.155
3	QPSK	8	0	21.14	0.130	21.17	0.131	20.97	0.125
3	QPSK	8	4	20.98	0.125	21.00	0.126	20.87	0.122
3	QPSK	8	7	20.93	0.124	20.96	0.125	20.91	0.123
3	QPSK	15	0	20.91	0.123	21.06	0.128	20.87	0.122
3	16QAM	1	0	21.26	0.134	21.24	0.133	21.16	0.131
3	16QAM	1	8	21.23	0.133	21.17	0.131	21.10	0.129
3	16QAM	1	14	21.25	0.133	21.11	0.129	21.27	0.134
3	16QAM	8	0	20.09	0.102	20.01	0.100	19.95	0.099
3	16QAM	8	4	20.05	0.101	20.15	0.104	20.14	0.103
3	16QAM	8	7	19.92	0.098	19.94	0.099	19.88	0.097
3	16QAM	15	0	19.86	0.097	20.08	0.102	19.90	0.098
3	64QAM	1	0	21.05	0.127	21.15	0.130	21.14	0.130
3	64QAM	1	8	21.34	0.136	21.25	0.133	21.26	0.134
3	64QAM	1	14	21.30	0.135	21.26	0.134	21.22	0.132
3	64QAM	8	0	20.02	0.100	19.97	0.099	20.17	0.104
3	64QAM	8	4	20.17	0.104	20.00	0.100	20.22	0.105
3	64QAM	8	7	20.05	0.101	20.21	0.105	20.11	0.103
3	64QAM	15	0	20.03	0.101	20.06	0.101	19.94	0.099



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	21.92	0.156	22.02	0.159	21.91	0.155
1.4	QPSK	1	3	21.93	0.156	21.96	0.157	21.95	0.157
1.4	QPSK	1	5	21.92	0.156	21.97	0.157	22.00	0.158
1.4	QPSK	3	0	20.99	0.126	21.21	0.132	21.12	0.129
1.4	QPSK	3	1	20.86	0.122	21.15	0.130	20.93	0.124
1.4	QPSK	3	3	20.93	0.124	20.97	0.125	20.86	0.122
1.4	QPSK	6	0	20.76	0.119	20.88	0.122	20.95	0.124
1.4	16QAM	1	0	21.22	0.132	21.26	0.134	21.19	0.132
1.4	16QAM	1	3	21.04	0.127	21.29	0.135	21.24	0.133
1.4	16QAM	1	5	21.30	0.135	21.26	0.134	21.14	0.130
1.4	16QAM	3	0	19.96	0.099	20.03	0.101	20.13	0.103
1.4	16QAM	3	1	20.11	0.103	20.00	0.100	20.13	0.103
1.4	16QAM	3	3	20.10	0.102	20.12	0.103	20.00	0.100
1.4	16QAM	6	0	19.90	0.098	19.94	0.099	19.95	0.099
1.4	64QAM	1	0	21.04	0.127	21.22	0.132	21.22	0.132
1.4	64QAM	1	3	21.19	0.132	21.25	0.133	21.21	0.132
1.4	64QAM	1	5	21.14	0.130	21.22	0.132	21.14	0.130
1.4	64QAM	3	0	20.14	0.103	20.20	0.105	19.92	0.098
1.4	64QAM	3	1	20.00	0.100	20.02	0.100	20.14	0.103
1.4	64QAM	3	3	19.97	0.099	20.09	0.102	20.06	0.101
1.4	64QAM	6	0	20.21	0.105	20.04	0.101	20.16	0.104





LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	25.07	0.321	25.25	0.335	25.18	0.330
20	QPSK	1	49	25.00	0.316	25.18	0.330	25.19	0.330
20	QPSK	1	99	25.04	0.319	25.14	0.327	25.13	0.326
20	QPSK	50	0	24.30	0.269	24.35	0.272	24.22	0.264
20	QPSK	50	24	24.21	0.264	24.33	0.271	24.31	0.270
20	QPSK	50	50	24.02	0.252	24.13	0.259	24.02	0.252
20	QPSK	100	0	24.08	0.256	24.19	0.262	24.03	0.253
20	16QAM	1	0	24.45	0.279	24.54	0.284	24.43	0.277
20	16QAM	1	49	24.39	0.275	24.53	0.284	24.36	0.273
20	16QAM	1	99	24.40	0.275	24.37	0.274	24.48	0.281
20	16QAM	50	0	23.26	0.212	23.45	0.221	23.39	0.218
20	16QAM	50	24	23.23	0.210	23.21	0.209	23.23	0.210
20	16QAM	50	50	23.20	0.209	23.29	0.213	23.26	0.212
20	16QAM	100	0	23.25	0.211	23.28	0.213	23.28	0.213
20	64QAM	1	0	24.49	0.281	24.56	0.286	24.48	0.281
20	64QAM	1	49	24.41	0.276	24.54	0.284	24.55	0.285
20	64QAM	1	99	24.33	0.271	24.51	0.282	24.53	0.284
20	64QAM	50	0	23.22	0.210	23.41	0.219	23.24	0.211
20	64QAM	50	24	23.28	0.213	23.22	0.210	23.40	0.219
20	64QAM	50	50	23.23	0.210	23.47	0.222	23.39	0.218
20	64QAM	100	0	23.22	0.210	23.32	0.215	23.18	0.208



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	25.17	0.329	25.23	0.333	25.14	0.327
15	QPSK	1	37	25.12	0.325	25.21	0.332	25.11	0.324
15	QPSK	1	74	25.20	0.331	25.09	0.323	25.09	0.323
15	QPSK	36	0	24.16	0.261	24.27	0.267	24.23	0.265
15	QPSK	36	20	24.14	0.259	24.31	0.270	24.28	0.268
15	QPSK	36	39	24.20	0.263	24.35	0.272	24.04	0.254
15	QPSK	75	0	24.11	0.258	24.17	0.261	24.23	0.265
15	16QAM	1	0	24.49	0.281	24.55	0.285	24.53	0.284
15	16QAM	1	37	24.43	0.277	24.49	0.281	24.32	0.270
15	16QAM	1	74	24.61	0.289	24.54	0.284	24.49	0.281
15	16QAM	36	0	23.35	0.216	23.25	0.211	23.28	0.213
15	16QAM	36	20	23.16	0.207	23.34	0.216	23.18	0.208
15	16QAM	36	39	23.10	0.204	23.07	0.203	23.09	0.204
15	16QAM	75	0	23.16	0.207	23.22	0.210	23.31	0.214
15	64QAM	1	0	24.55	0.285	24.35	0.272	24.45	0.279
15	64QAM	1	37	24.51	0.282	24.41	0.276	24.45	0.279
15	64QAM	1	74	24.33	0.271	24.47	0.280	24.38	0.274
15	64QAM	36	0	23.21	0.209	23.27	0.212	23.37	0.217
15	64QAM	36	20	23.29	0.213	23.29	0.213	23.16	0.207
15	64QAM	36	39	23.21	0.209	23.24	0.211	23.31	0.214
15	64QAM	75	0	23.25	0.211	23.23	0.210	23.37	0.217



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	25.10	0.324	25.21	0.332	25.20	0.331
10	QPSK	1	25	25.03	0.318	25.14	0.327	25.17	0.329
10	QPSK	1	49	25.06	0.321	25.16	0.328	25.09	0.323
10	QPSK	25	0	24.29	0.269	24.21	0.264	24.10	0.257
10	QPSK	25	12	24.23	0.265	24.13	0.259	24.16	0.261
10	QPSK	25	25	24.06	0.255	24.26	0.267	24.02	0.252
10	QPSK	50	0	24.06	0.255	24.22	0.264	24.25	0.266
10	16QAM	1	0	24.46	0.279	24.58	0.287	24.48	0.281
10	16QAM	1	25	24.37	0.274	24.55	0.285	24.49	0.281
10	16QAM	1	49	24.39	0.275	24.43	0.277	24.31	0.270
10	16QAM	25	0	23.36	0.217	23.22	0.210	23.29	0.213
10	16QAM	25	12	23.25	0.211	23.22	0.210	23.12	0.205
10	16QAM	25	25	23.33	0.215	23.17	0.207	23.24	0.211
10	16QAM	50	0	23.40	0.219	23.34	0.216	23.34	0.216
10	64QAM	1	0	24.51	0.282	24.37	0.274	24.40	0.275
10	64QAM	1	25	24.44	0.278	24.46	0.279	24.52	0.283
10	64QAM	1	49	24.39	0.275	24.46	0.279	24.41	0.276
10	64QAM	25	0	23.27	0.212	23.24	0.211	23.32	0.215
10	64QAM	25	12	23.28	0.213	23.37	0.217	23.12	0.205
10	64QAM	25	25	23.39	0.218	23.25	0.211	23.13	0.206
10	64QAM	50	0	23.45	0.221	23.24	0.211	23.14	0.206



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	25.19	0.330	25.20	0.331	25.18	0.330
5	QPSK	1	12	25.11	0.324	25.09	0.323	25.13	0.326
5	QPSK	1	24	25.16	0.328	25.14	0.327	25.12	0.325
5	QPSK	12	0	24.36	0.273	24.19	0.262	24.06	0.255
5	QPSK	12	7	24.35	0.272	24.32	0.270	24.23	0.265
5	QPSK	12	13	24.17	0.261	24.12	0.258	24.15	0.260
5	QPSK	25	0	24.31	0.270	24.28	0.268	24.07	0.255
5	16QAM	1	0	24.59	0.288	24.76	0.299	24.48	0.281
5	16QAM	1	12	24.50	0.282	24.45	0.279	24.44	0.278
5	16QAM	1	24	24.63	0.290	24.59	0.288	24.47	0.280
5	16QAM	12	0	23.33	0.215	23.39	0.218	23.40	0.219
5	16QAM	12	7	23.28	0.213	23.22	0.210	23.22	0.210
5	16QAM	12	13	23.16	0.207	23.29	0.213	23.12	0.205
5	16QAM	25	0	23.32	0.215	23.32	0.215	23.27	0.212
5	64QAM	1	0	24.36	0.273	24.50	0.282	24.29	0.269
5	64QAM	1	12	24.47	0.280	24.41	0.276	24.46	0.279
5	64QAM	1	24	24.37	0.274	24.54	0.284	24.38	0.274
5	64QAM	12	0	23.48	0.223	23.46	0.222	23.43	0.220
5	64QAM	12	7	23.22	0.210	23.20	0.209	23.15	0.207
5	64QAM	12	13	23.39	0.218	23.32	0.215	23.23	0.210
5	64QAM	25	0	23.46	0.222	23.45	0.221	23.42	0.220



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	21.98	0.158	22.00	0.158	22.03	0.160
10	QPSK	1	25	21.95	0.157	21.94	0.156	21.96	0.157
10	QPSK	1	49	21.88	0.154	21.93	0.156	21.96	0.157
10	QPSK	25	0	21.01	0.126	20.86	0.122	20.84	0.121
10	QPSK	25	12	21.07	0.128	20.80	0.120	20.77	0.119
10	QPSK	25	25	20.78	0.120	21.02	0.126	20.93	0.124
10	QPSK	50	0	20.81	0.121	20.90	0.123	20.95	0.124
10	16QAM	1	0	21.32	0.136	21.29	0.135	21.21	0.132
10	16QAM	1	25	21.26	0.134	21.34	0.136	21.06	0.128
10	16QAM	1	49	21.15	0.130	21.28	0.134	21.27	0.134
10	16QAM	25	0	20.13	0.103	20.18	0.104	20.19	0.104
10	16QAM	25	12	19.96	0.099	20.14	0.103	19.88	0.097
10	16QAM	25	25	19.91	0.098	19.98	0.100	19.87	0.097
10	16QAM	50	0	20.10	0.102	19.99	0.100	20.14	0.103
10	64QAM	1	0	21.32	0.136	21.30	0.135	21.16	0.131
10	64QAM	1	25	21.31	0.135	21.25	0.133	21.25	0.133
10	64QAM	1	49	21.27	0.134	21.15	0.130	21.26	0.134
10	64QAM	25	0	20.18	0.104	20.13	0.103	20.15	0.104
10	64QAM	25	12	20.32	0.108	20.10	0.102	20.02	0.100
10	64QAM	25	25	20.14	0.103	20.17	0.104	20.01	0.100
10	64QAM	50	0	19.92	0.098	20.06	0.101	20.23	0.105



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	21.87	0.154	21.99	0.158	22.01	0.159
5	QPSK	1	12	21.91	0.155	21.92	0.156	21.93	0.156
5	QPSK	1	24	21.97	0.157	21.98	0.158	21.94	0.156
5	QPSK	12	0	20.91	0.123	21.00	0.126	20.96	0.125
5	QPSK	12	7	20.99	0.126	21.00	0.126	20.92	0.124
5	QPSK	12	13	20.82	0.121	20.90	0.123	20.85	0.122
5	QPSK	25	0	20.84	0.121	20.83	0.121	20.89	0.123
5	16QAM	1	0	21.23	0.133	21.17	0.131	21.20	0.132
5	16QAM	1	12	21.08	0.128	21.18	0.131	21.04	0.127
5	16QAM	1	24	21.11	0.129	21.16	0.131	21.08	0.128
5	16QAM	12	0	20.17	0.104	20.11	0.103	20.12	0.103
5	16QAM	12	7	20.04	0.101	20.06	0.101	20.00	0.100
5	16QAM	12	13	19.94	0.099	19.98	0.100	20.15	0.104
5	16QAM	25	0	20.04	0.101	20.07	0.102	20.05	0.101
5	64QAM	1	0	21.33	0.136	21.16	0.131	21.25	0.133
5	64QAM	1	12	21.14	0.130	21.39	0.138	21.11	0.129
5	64QAM	1	24	21.21	0.132	21.36	0.137	21.42	0.139
5	64QAM	12	0	20.02	0.100	20.14	0.103	20.09	0.102
5	64QAM	12	7	20.15	0.104	20.21	0.105	20.06	0.101
5	64QAM	12	13	19.91	0.098	20.17	0.104	20.08	0.102
5	64QAM	25	0	20.11	0.103	20.02	0.100	19.94	0.099



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	21.87	0.154	21.99	0.158	22.01	0.159
3	QPSK	1	8	21.91	0.155	21.92	0.156	21.93	0.156
3	QPSK	1	14	21.97	0.157	21.98	0.158	21.94	0.156
3	QPSK	8	0	20.91	0.123	21.00	0.126	20.96	0.125
3	QPSK	8	4	20.99	0.126	21.00	0.126	20.92	0.124
3	QPSK	8	7	20.82	0.121	20.90	0.123	20.85	0.122
3	QPSK	15	0	20.84	0.121	20.83	0.121	20.89	0.123
3	16QAM	1	0	21.23	0.133	21.17	0.131	21.20	0.132
3	16QAM	1	8	21.08	0.128	21.18	0.131	21.04	0.127
3	16QAM	1	14	21.11	0.129	21.16	0.131	21.08	0.128
3	16QAM	8	0	20.17	0.104	20.11	0.103	20.12	0.103
3	16QAM	8	4	20.04	0.101	20.06	0.101	20.00	0.100
3	16QAM	8	7	19.94	0.099	19.98	0.100	20.15	0.104
3	16QAM	15	0	20.04	0.101	20.07	0.102	20.05	0.101
3	64QAM	1	0	21.33	0.136	21.16	0.131	21.25	0.133
3	64QAM	1	8	21.14	0.130	21.39	0.138	21.11	0.129
3	64QAM	1	14	21.21	0.132	21.36	0.137	21.42	0.139
3	64QAM	8	0	20.02	0.100	20.14	0.103	20.09	0.102
3	64QAM	8	4	20.15	0.104	20.21	0.105	20.06	0.101
3	64QAM	8	7	19.91	0.098	20.17	0.104	20.08	0.102
3	64QAM	15	0	20.11	0.103	20.02	0.100	19.94	0.099



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	21.86	0.153	21.97	0.157	21.99	0.158
1.4	QPSK	1	3	21.80	0.151	21.91	0.155	21.93	0.156
1.4	QPSK	1	5	21.80	0.151	21.92	0.156	21.95	0.157
1.4	QPSK	3	0	20.91	0.123	20.89	0.123	20.90	0.123
1.4	QPSK	3	1	20.86	0.122	20.90	0.123	20.93	0.124
1.4	QPSK	3	3	20.85	0.122	20.95	0.124	20.92	0.124
1.4	QPSK	6	0	21.05	0.127	21.07	0.128	20.95	0.124
1.4	16QAM	1	0	21.33	0.136	21.36	0.137	21.19	0.132
1.4	16QAM	1	3	21.24	0.133	21.37	0.137	21.04	0.127
1.4	16QAM	1	5	21.07	0.128	21.31	0.135	21.16	0.131
1.4	16QAM	3	0	20.04	0.101	20.08	0.102	20.17	0.104
1.4	16QAM	3	1	19.93	0.098	20.15	0.104	19.97	0.099
1.4	16QAM	3	3	19.90	0.098	20.14	0.103	20.16	0.104
1.4	16QAM	6	0	20.17	0.104	20.08	0.102	19.90	0.098
1.4	64QAM	1	0	21.06	0.128	21.16	0.131	21.25	0.133
1.4	64QAM	1	3	21.18	0.131	21.20	0.132	21.22	0.132
1.4	64QAM	1	5	21.17	0.131	21.10	0.129	21.21	0.132
1.4	64QAM	3	0	20.29	0.107	20.10	0.102	20.29	0.107
1.4	64QAM	3	1	20.12	0.103	20.21	0.105	20.23	0.105
1.4	64QAM	3	3	20.00	0.100	20.17	0.104	20.14	0.103
1.4	64QAM	6	0	19.99	0.100	20.12	0.103	20.13	0.103





LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		23230		/	
Frequency (MHz)				/		782		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	21.99	0.158	/	/
10	QPSK	1	25	/	/	21.90	0.155	/	/
10	QPSK	1	49	/	/	21.94	0.156	/	/
10	QPSK	25	0	/	/	21.08	0.128	/	/
10	QPSK	25	12	/	/	21.04	0.127	/	/
10	QPSK	25	25	/	/	20.98	0.125	/	/
10	QPSK	50	0	/	/	21.05	0.127	/	/
10	16QAM	1	0	/	/	21.23	0.133	/	/
10	16QAM	1	25	/	/	21.06	0.128	/	/
10	16QAM	1	49	/	/	21.10	0.129	/	/
10	16QAM	25	0	/	/	20.18	0.104	/	/
10	16QAM	25	12	/	/	20.14	0.103	/	/
10	16QAM	25	25	/	/	20.06	0.101	/	/
10	16QAM	50	0	/	/	20.09	0.102	/	/
10	64QAM	1	0	/	/	21.19	0.132	/	/
10	64QAM	1	25	/	/	21.04	0.127	/	/
10	64QAM	1	49	/	/	21.07	0.128	/	/
10	64QAM	25	0	/	/	20.21	0.105	/	/
10	64QAM	25	12	/	/	20.06	0.101	/	/
10	64QAM	25	25	/	/	20.08	0.102	/	/
10	64QAM	50	0	/	/	20.14	0.103	/	/



LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23205		23230		23255	
Frequency (MHz)				779.5		782		784.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.92	0.156	21.97	0.157	21.89	0.155
5	QPSK	1	12	21.89	0.155	21.93	0.156	21.83	0.152
5	QPSK	1	24	21.83	0.152	21.98	0.158	21.84	0.153
5	QPSK	12	0	20.90	0.123	21.03	0.127	20.86	0.122
5	QPSK	12	7	20.98	0.125	21.01	0.126	20.89	0.123
5	QPSK	12	13	20.77	0.119	21.01	0.126	20.92	0.124
5	QPSK	25	0	21.00	0.126	20.81	0.121	20.80	0.120
5	16QAM	1	0	21.22	0.132	21.15	0.130	21.12	0.129
5	16QAM	1	12	21.00	0.126	21.09	0.129	21.16	0.131
5	16QAM	1	24	21.10	0.129	21.16	0.131	20.98	0.125
5	16QAM	12	0	20.07	0.102	20.01	0.100	20.02	0.100
5	16QAM	12	7	19.98	0.100	20.07	0.102	19.98	0.100
5	16QAM	12	13	20.11	0.103	19.94	0.099	20.01	0.100
5	16QAM	25	0	20.08	0.102	20.06	0.101	19.94	0.099
5	64QAM	1	0	21.10	0.129	21.28	0.134	21.00	0.126
5	64QAM	1	12	21.14	0.130	21.17	0.131	21.27	0.134
5	64QAM	1	24	21.11	0.129	21.07	0.128	21.15	0.130
5	64QAM	12	0	20.21	0.105	20.11	0.103	20.27	0.106
5	64QAM	12	7	20.00	0.100	20.24	0.106	20.00	0.100
5	64QAM	12	13	19.98	0.100	20.19	0.104	20.09	0.102
5	64QAM	25	0	20.27	0.106	20.10	0.102	20.20	0.105



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	21.94	0.156	22.01	0.159	21.97	0.157
10	QPSK	1	25	21.85	0.153	21.91	0.155	21.96	0.157
10	QPSK	1	49	21.93	0.156	21.98	0.158	21.91	0.155
10	QPSK	25	0	20.88	0.122	21.13	0.130	20.96	0.125
10	QPSK	25	12	21.00	0.126	20.99	0.126	20.98	0.125
10	QPSK	25	25	20.92	0.124	20.87	0.122	20.92	0.124
10	QPSK	50	0	20.92	0.124	20.96	0.125	20.89	0.123
10	16QAM	1	0	21.20	0.132	21.18	0.131	21.15	0.130
10	16QAM	1	25	21.01	0.126	21.08	0.128	21.02	0.126
10	16QAM	1	49	21.12	0.129	21.12	0.129	21.16	0.131
10	16QAM	25	0	20.21	0.105	20.26	0.106	20.14	0.103
10	16QAM	25	12	20.10	0.102	19.98	0.100	20.18	0.104
10	16QAM	25	25	20.04	0.101	20.08	0.102	19.99	0.100
10	16QAM	50	0	20.08	0.102	20.05	0.101	20.23	0.105
10	64QAM	1	0	21.03	0.127	21.18	0.131	21.16	0.131
10	64QAM	1	25	21.20	0.132	21.20	0.132	21.19	0.132
10	64QAM	1	49	21.11	0.129	21.13	0.130	21.17	0.131
10	64QAM	25	0	20.00	0.100	20.10	0.102	20.00	0.100
10	64QAM	25	12	19.98	0.100	20.05	0.101	20.10	0.102
10	64QAM	25	25	19.98	0.100	20.17	0.104	20.01	0.100
10	64QAM	50	0	20.17	0.104	20.02	0.100	20.12	0.103



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	21.94	0.156	21.98	0.158	21.93	0.156
5	QPSK	1	12	21.87	0.154	21.94	0.156	21.92	0.156
5	QPSK	1	24	21.91	0.155	21.86	0.153	21.85	0.153
5	QPSK	12	0	20.87	0.122	21.07	0.128	20.86	0.122
5	QPSK	12	7	21.00	0.126	21.08	0.128	20.96	0.125
5	QPSK	12	13	20.94	0.124	20.89	0.123	20.80	0.120
5	QPSK	25	0	21.03	0.127	20.77	0.119	20.89	0.123
5	16QAM	1	0	21.16	0.131	21.23	0.133	21.14	0.130
5	16QAM	1	12	21.02	0.126	21.15	0.130	21.20	0.132
5	16QAM	1	24	21.04	0.127	21.14	0.130	21.06	0.128
5	16QAM	12	0	20.13	0.103	20.09	0.102	20.01	0.100
5	16QAM	12	7	20.11	0.103	19.92	0.098	20.02	0.100
5	16QAM	12	13	20.17	0.104	20.00	0.100	19.90	0.098
5	16QAM	25	0	19.97	0.099	20.09	0.102	19.98	0.100
5	64QAM	1	0	21.00	0.126	21.26	0.134	21.04	0.127
5	64QAM	1	12	21.15	0.130	21.23	0.133	21.07	0.128
5	64QAM	1	24	21.16	0.131	21.08	0.128	21.01	0.126
5	64QAM	12	0	20.16	0.104	20.07	0.102	20.22	0.105
5	64QAM	12	7	20.11	0.103	20.09	0.102	20.04	0.101
5	64QAM	12	13	20.10	0.102	20.06	0.101	19.99	0.100
5	64QAM	25	0	20.16	0.104	20.03	0.101	20.08	0.102



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	24.70	0.295	24.76	0.299	24.57	0.286
20	QPSK	1	49	24.56	0.286	24.70	0.295	24.67	0.293
20	QPSK	1	99	24.52	0.283	24.59	0.288	24.66	0.292
20	QPSK	50	0	23.66	0.232	23.63	0.231	23.67	0.233
20	QPSK	50	24	23.44	0.221	23.46	0.222	23.60	0.229
20	QPSK	50	50	23.59	0.229	23.48	0.223	23.46	0.222
20	QPSK	100	0	23.42	0.220	23.64	0.231	23.50	0.224
20	16QAM	1	0	23.80	0.240	23.84	0.242	23.91	0.246
20	16QAM	1	49	23.97	0.249	23.77	0.238	23.86	0.243
20	16QAM	1	99	24.05	0.254	23.86	0.243	23.84	0.242
20	16QAM	50	0	22.72	0.187	22.68	0.185	22.86	0.193
20	16QAM	50	24	22.67	0.185	22.74	0.188	22.58	0.181
20	16QAM	50	50	22.67	0.185	22.55	0.180	22.79	0.190
20	16QAM	100	0	22.75	0.188	22.56	0.180	22.84	0.192
20	64QAM	1	0	22.74	0.188	23.01	0.200	22.99	0.199
20	64QAM	1	49	22.78	0.190	22.87	0.194	22.81	0.191
20	64QAM	1	99	23.04	0.201	22.94	0.197	22.78	0.190
20	64QAM	50	0	21.71	0.148	21.77	0.150	21.66	0.147
20	64QAM	50	24	21.78	0.151	21.89	0.155	21.83	0.152
20	64QAM	50	50	21.70	0.148	21.86	0.153	21.71	0.148
20	64QAM	100	0	21.79	0.151	21.84	0.153	21.81	0.152



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	24.71	0.296	24.73	0.297	24.67	0.293
15	QPSK	1	37	24.61	0.289	24.71	0.296	24.69	0.294
15	QPSK	1	74	24.55	0.285	24.64	0.291	24.64	0.291
15	QPSK	36	0	23.58	0.228	23.70	0.234	23.69	0.234
15	QPSK	36	20	23.56	0.227	23.65	0.232	23.58	0.228
15	QPSK	36	39	23.66	0.232	23.66	0.232	23.59	0.229
15	QPSK	75	0	23.63	0.231	23.52	0.225	23.46	0.222
15	16QAM	1	0	23.94	0.248	23.86	0.243	23.90	0.245
15	16QAM	1	37	23.87	0.244	23.77	0.238	23.69	0.234
15	16QAM	1	74	23.72	0.236	23.87	0.244	23.85	0.243
15	16QAM	36	0	22.79	0.190	22.86	0.193	22.69	0.186
15	16QAM	36	20	22.61	0.182	22.81	0.191	22.73	0.187
15	16QAM	36	39	22.79	0.190	22.68	0.185	22.59	0.182
15	16QAM	75	0	22.86	0.193	22.57	0.181	22.70	0.186
15	64QAM	1	0	22.83	0.192	22.90	0.195	22.89	0.195
15	64QAM	1	37	22.81	0.191	22.86	0.193	22.88	0.194
15	64QAM	1	74	22.74	0.188	22.83	0.192	22.84	0.192
15	64QAM	36	0	21.77	0.150	21.85	0.153	21.73	0.149
15	64QAM	36	20	21.68	0.147	21.88	0.154	21.71	0.148
15	64QAM	36	39	21.59	0.144	21.64	0.146	21.79	0.151
15	64QAM	75	0	21.72	0.149	21.60	0.145	21.77	0.150



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	24.63	0.290	24.74	0.298	24.58	0.287
10	QPSK	1	25	24.58	0.287	24.67	0.293	24.71	0.296
10	QPSK	1	49	24.64	0.291	24.66	0.292	24.65	0.292
10	QPSK	25	0	23.69	0.234	23.70	0.234	23.46	0.222
10	QPSK	25	12	23.75	0.237	23.75	0.237	23.45	0.221
10	QPSK	25	25	23.67	0.233	23.57	0.228	23.54	0.226
10	QPSK	50	0	23.57	0.228	23.70	0.234	23.53	0.225
10	16QAM	1	0	23.78	0.239	23.80	0.240	23.80	0.240
10	16QAM	1	25	23.68	0.233	23.66	0.232	23.70	0.234
10	16QAM	1	49	24.03	0.253	23.72	0.236	23.67	0.233
10	16QAM	25	0	22.75	0.188	22.93	0.196	22.79	0.190
10	16QAM	25	12	22.80	0.191	22.85	0.193	22.75	0.188
10	16QAM	25	25	22.83	0.192	22.63	0.183	22.77	0.189
10	16QAM	50	0	22.85	0.193	22.86	0.193	22.77	0.189
10	64QAM	1	0	22.78	0.190	22.92	0.196	22.97	0.198
10	64QAM	1	25	22.86	0.193	22.87	0.194	22.76	0.189
10	64QAM	1	49	22.73	0.187	22.84	0.192	22.86	0.193
10	64QAM	25	0	21.72	0.149	21.82	0.152	21.65	0.146
10	64QAM	25	12	21.82	0.152	21.69	0.148	21.65	0.146
10	64QAM	25	25	21.85	0.153	21.82	0.152	21.87	0.154
10	64QAM	50	0	21.81	0.152	21.79	0.151	21.66	0.147



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	24.57	0.286	24.72	0.296	24.69	0.294
5	QPSK	1	12	24.60	0.288	24.59	0.288	24.64	0.291
5	QPSK	1	24	24.62	0.290	24.63	0.290	24.66	0.292
5	QPSK	12	0	23.56	0.227	23.84	0.242	23.53	0.225
5	QPSK	12	7	23.72	0.236	23.58	0.228	23.56	0.227
5	QPSK	12	13	23.54	0.226	23.62	0.230	23.66	0.232
5	QPSK	25	0	23.59	0.229	23.51	0.224	23.59	0.229
5	16QAM	1	0	23.71	0.235	23.83	0.242	23.72	0.236
5	16QAM	1	12	23.65	0.232	23.76	0.238	23.89	0.245
5	16QAM	1	24	23.73	0.236	23.83	0.242	23.68	0.233
5	16QAM	12	0	22.78	0.190	22.64	0.184	22.88	0.194
5	16QAM	12	7	22.54	0.179	22.83	0.192	22.55	0.180
5	16QAM	12	13	22.60	0.182	22.81	0.191	22.60	0.182
5	16QAM	25	0	22.69	0.186	22.73	0.187	22.60	0.182
5	64QAM	1	0	22.88	0.194	22.90	0.195	22.80	0.191
5	64QAM	1	12	22.81	0.191	22.86	0.193	22.95	0.197
5	64QAM	1	24	22.88	0.194	23.01	0.200	22.81	0.191
5	64QAM	12	0	21.99	0.158	21.85	0.153	21.87	0.154
5	64QAM	12	7	21.99	0.158	21.78	0.151	21.74	0.149
5	64QAM	12	13	21.75	0.150	21.97	0.157	21.81	0.152
5	64QAM	25	0	21.80	0.151	21.85	0.153	21.92	0.156





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	24.69	0.294	24.74	0.298	24.68	0.294
3	QPSK	1	8	24.50	0.282	24.71	0.296	24.66	0.292
3	QPSK	1	14	24.66	0.292	24.67	0.293	24.69	0.294
3	QPSK	8	0	23.63	0.231	23.73	0.236	23.72	0.236
3	QPSK	8	4	23.72	0.236	23.62	0.230	23.60	0.229
3	QPSK	8	7	23.52	0.225	23.70	0.234	23.61	0.230
3	QPSK	15	0	23.60	0.229	23.68	0.233	23.64	0.231
3	16QAM	1	0	23.96	0.249	24.06	0.255	23.79	0.239
3	16QAM	1	8	23.89	0.245	23.90	0.245	23.78	0.239
3	16QAM	1	14	23.94	0.248	23.77	0.238	23.98	0.250
3	16QAM	8	0	22.85	0.193	22.68	0.185	22.86	0.193
3	16QAM	8	4	22.56	0.180	22.67	0.185	22.60	0.182
3	16QAM	8	7	22.72	0.187	22.63	0.183	22.57	0.181
3	16QAM	15	0	22.68	0.185	22.55	0.180	22.56	0.180
3	64QAM	1	0	22.74	0.188	22.80	0.191	22.66	0.185
3	64QAM	1	8	22.69	0.186	22.82	0.191	22.71	0.187
3	64QAM	1	14	22.74	0.188	22.82	0.191	22.87	0.194
3	64QAM	8	0	21.70	0.148	21.84	0.153	21.86	0.153
3	64QAM	8	4	21.76	0.150	21.82	0.152	21.74	0.149
3	64QAM	8	7	21.85	0.153	21.63	0.146	21.86	0.153
3	64QAM	15	0	21.86	0.153	21.81	0.152	21.68	0.147



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	24.69	0.294	24.73	0.297	24.64	0.291
1.4	QPSK	1	3	24.59	0.288	24.61	0.289	24.64	0.291
1.4	QPSK	1	5	24.63	0.290	24.62	0.290	24.69	0.294
1.4	QPSK	3	0	23.59	0.229	23.82	0.241	23.65	0.232
1.4	QPSK	3	1	23.65	0.232	23.61	0.230	23.59	0.229
1.4	QPSK	3	3	23.50	0.224	23.51	0.224	23.67	0.233
1.4	QPSK	6	0	23.60	0.229	23.73	0.236	23.55	0.226
1.4	16QAM	1	0	23.87	0.244	23.89	0.245	23.75	0.237
1.4	16QAM	1	3	23.64	0.231	23.86	0.243	23.77	0.238
1.4	16QAM	1	5	23.81	0.240	23.85	0.243	23.75	0.237
1.4	16QAM	3	0	22.65	0.184	22.81	0.191	22.69	0.186
1.4	16QAM	3	1	22.53	0.179	22.64	0.184	22.78	0.190
1.4	16QAM	3	3	22.63	0.183	22.78	0.190	22.65	0.184
1.4	16QAM	6	0	22.77	0.189	22.53	0.179	22.61	0.182
1.4	64QAM	1	0	22.99	0.199	22.97	0.198	22.96	0.198
1.4	64QAM	1	3	23.07	0.203	22.84	0.192	23.09	0.204
1.4	64QAM	1	5	22.85	0.193	23.03	0.201	23.09	0.204
1.4	64QAM	3	0	21.93	0.156	21.77	0.150	21.71	0.148
1.4	64QAM	3	1	21.89	0.155	21.94	0.156	21.71	0.148
1.4	64QAM	3	3	21.90	0.155	21.87	0.154	21.90	0.155
1.4	64QAM	6	0	21.66	0.147	21.74	0.149	21.88	0.154



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	21.88	0.154	22.01	0.159	21.90	0.155
15	QPSK	1	37	21.96	0.157	21.87	0.154	21.94	0.156
15	QPSK	1	74	21.87	0.154	21.78	0.151	21.81	0.152
15	QPSK	36	0	20.81	0.121	20.92	0.124	20.91	0.123
15	QPSK	36	20	20.82	0.121	20.70	0.117	20.72	0.118
15	QPSK	36	39	20.73	0.118	20.73	0.118	20.85	0.122
15	QPSK	75	0	20.82	0.121	20.78	0.120	20.76	0.119
15	16QAM	1	0	21.07	0.128	21.16	0.131	20.92	0.124
15	16QAM	1	37	20.92	0.124	21.20	0.132	20.86	0.122
15	16QAM	1	74	21.20	0.132	21.15	0.130	21.03	0.127
15	16QAM	36	0	19.81	0.096	19.86	0.097	19.75	0.094
15	16QAM	36	20	19.89	0.097	19.81	0.096	19.69	0.093
15	16QAM	36	39	19.90	0.098	19.89	0.097	19.69	0.093
15	16QAM	75	0	19.92	0.098	19.96	0.099	19.92	0.098
15	64QAM	1	0	20.15	0.104	20.08	0.102	19.88	0.097
15	64QAM	1	37	20.18	0.104	20.03	0.101	19.96	0.099
15	64QAM	1	74	20.19	0.104	20.10	0.102	20.10	0.102
15	64QAM	36	0	19.18	0.083	19.12	0.082	19.16	0.082
15	64QAM	36	20	18.87	0.077	18.99	0.079	19.03	0.080
15	64QAM	36	39	19.08	0.081	19.15	0.082	18.94	0.078
15	64QAM	75	0	18.92	0.078	18.87	0.077	18.85	0.077



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	21.97	0.157	21.98	0.158	21.93	0.156
10	QPSK	1	25	21.89	0.155	21.80	0.151	21.90	0.155
10	QPSK	1	49	21.84	0.153	21.93	0.156	21.94	0.156
10	QPSK	25	0	20.88	0.122	20.88	0.122	20.77	0.119
10	QPSK	25	12	20.85	0.122	20.72	0.118	20.90	0.123
10	QPSK	25	25	20.78	0.120	20.77	0.119	20.77	0.119
10	QPSK	50	0	20.73	0.118	20.67	0.117	20.68	0.117
10	16QAM	1	0	21.04	0.127	21.12	0.129	20.91	0.123
10	16QAM	1	25	20.87	0.122	21.17	0.131	20.89	0.123
10	16QAM	1	49	20.93	0.124	21.12	0.129	20.84	0.121
10	16QAM	25	0	20.01	0.100	19.96	0.099	20.04	0.101
10	16QAM	25	12	19.82	0.096	19.83	0.096	19.84	0.096
10	16QAM	25	25	19.99	0.100	19.88	0.097	19.88	0.097
10	16QAM	50	0	20.02	0.100	19.91	0.098	19.89	0.097
10	64QAM	1	0	20.10	0.102	20.11	0.103	19.98	0.100
10	64QAM	1	25	20.06	0.101	20.13	0.103	20.10	0.102
10	64QAM	1	49	20.13	0.103	20.08	0.102	20.14	0.103
10	64QAM	25	0	18.92	0.078	19.09	0.081	19.06	0.081
10	64QAM	25	12	18.97	0.079	19.04	0.080	18.86	0.077
10	64QAM	25	25	18.97	0.079	19.13	0.082	18.97	0.079
10	64QAM	50	0	18.88	0.077	18.94	0.078	19.00	0.079



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	21.91	0.155	21.97	0.157	22.00	0.158
5	QPSK	1	12	21.92	0.156	21.99	0.158	21.86	0.153
5	QPSK	1	24	21.78	0.151	21.92	0.156	21.85	0.153
5	QPSK	12	0	20.93	0.124	20.89	0.123	20.76	0.119
5	QPSK	12	7	20.72	0.118	20.95	0.124	20.66	0.116
5	QPSK	12	13	20.82	0.121	20.79	0.120	20.78	0.120
5	QPSK	25	0	20.72	0.118	20.91	0.123	20.80	0.120
5	16QAM	1	0	21.20	0.132	21.01	0.126	21.09	0.129
5	16QAM	1	12	20.98	0.125	21.00	0.126	21.09	0.129
5	16QAM	1	24	20.97	0.125	20.97	0.125	21.01	0.126
5	16QAM	12	0	20.07	0.102	20.10	0.102	19.99	0.100
5	16QAM	12	7	19.88	0.097	19.97	0.099	19.94	0.099
5	16QAM	12	13	20.01	0.100	20.00	0.100	19.89	0.097
5	16QAM	25	0	19.85	0.097	19.99	0.100	19.98	0.100
5	64QAM	1	0	19.90	0.098	20.09	0.102	20.12	0.103
5	64QAM	1	12	20.12	0.103	20.09	0.102	20.03	0.101
5	64QAM	1	24	20.17	0.104	19.96	0.099	19.98	0.100
5	64QAM	12	0	19.07	0.081	18.89	0.077	18.98	0.079
5	64QAM	12	7	19.07	0.081	19.15	0.082	18.91	0.078
5	64QAM	12	13	18.93	0.078	19.06	0.081	18.94	0.078
5	64QAM	25	0	19.06	0.081	18.93	0.078	18.89	0.077



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	21.93	0.156	21.98	0.158	21.96	0.157
3	QPSK	1	8	21.86	0.153	21.94	0.156	21.74	0.149
3	QPSK	1	14	21.85	0.153	21.95	0.157	21.90	0.155
3	QPSK	8	0	20.92	0.124	20.96	0.125	20.77	0.119
3	QPSK	8	4	20.80	0.120	20.80	0.120	20.77	0.119
3	QPSK	8	7	20.83	0.121	20.78	0.120	20.74	0.119
3	QPSK	15	0	20.64	0.116	20.87	0.122	20.72	0.118
3	16QAM	1	0	21.05	0.127	21.17	0.131	21.12	0.129
3	16QAM	1	8	20.90	0.123	21.16	0.131	21.13	0.130
3	16QAM	1	14	20.92	0.124	20.91	0.123	20.92	0.124
3	16QAM	8	0	20.00	0.100	19.92	0.098	20.05	0.101
3	16QAM	8	4	19.88	0.097	19.77	0.095	19.78	0.095
3	16QAM	8	7	19.83	0.096	19.85	0.097	19.91	0.098
3	16QAM	15	0	19.76	0.095	19.83	0.096	19.85	0.097
3	64QAM	1	0	19.94	0.099	20.03	0.101	20.18	0.104
3	64QAM	1	8	19.98	0.100	20.11	0.103	20.25	0.106
3	64QAM	1	14	19.98	0.100	20.13	0.103	20.22	0.105
3	64QAM	8	0	19.13	0.082	19.13	0.082	18.86	0.077
3	64QAM	8	4	19.01	0.080	19.07	0.081	18.88	0.077
3	64QAM	8	7	19.00	0.079	19.00	0.079	18.90	0.078
3	64QAM	15	0	18.99	0.079	18.88	0.077	18.92	0.078



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	21.91	0.155	21.96	0.157	21.86	0.153
1.4	QPSK	1	3	21.92	0.156	21.82	0.152	21.88	0.154
1.4	QPSK	1	5	21.77	0.150	21.93	0.156	21.94	0.156
1.4	QPSK	3	0	20.89	0.123	20.90	0.123	20.95	0.124
1.4	QPSK	3	1	20.87	0.122	20.93	0.124	20.89	0.123
1.4	QPSK	3	3	20.90	0.123	20.96	0.125	20.87	0.122
1.4	QPSK	6	0	20.52	0.113	20.81	0.121	20.63	0.116
1.4	16QAM	1	0	21.06	0.128	21.11	0.129	21.02	0.126
1.4	16QAM	1	3	20.94	0.124	20.89	0.123	21.10	0.129
1.4	16QAM	1	5	21.09	0.129	21.08	0.128	20.96	0.125
1.4	16QAM	3	0	19.92	0.098	19.92	0.098	19.88	0.097
1.4	16QAM	3	1	19.87	0.097	19.83	0.096	19.93	0.098
1.4	16QAM	3	3	19.89	0.097	19.98	0.100	19.89	0.097
1.4	16QAM	6	0	20.02	0.100	19.94	0.099	19.80	0.095
1.4	64QAM	1	0	20.08	0.102	20.17	0.104	20.12	0.103
1.4	64QAM	1	3	20.09	0.102	20.04	0.101	20.24	0.106
1.4	64QAM	1	5	19.95	0.099	20.12	0.103	20.17	0.104
1.4	64QAM	3	0	19.13	0.082	19.08	0.081	19.12	0.082
1.4	64QAM	3	1	19.12	0.082	18.90	0.078	18.88	0.077
1.4	64QAM	3	3	18.95	0.079	18.88	0.077	19.08	0.081
1.4	64QAM	6	0	18.92	0.078	18.85	0.077	18.83	0.076



LTE Band 41 (Power Class 3)				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	25.05	0.320	25.20	0.331	26.41	0.438
20	QPSK	1	49	25.06	0.321	25.06	0.321	26.39	0.436
20	QPSK	1	99	25.09	0.323	25.09	0.323	26.23	0.420
20	QPSK	50	0	24.04	0.254	24.21	0.264	24.15	0.260
20	QPSK	50	24	24.06	0.255	24.16	0.261	24.32	0.270
20	QPSK	50	50	24.08	0.256	24.03	0.253	24.23	0.265
20	QPSK	100	0	24.11	0.258	24.05	0.254	24.08	0.256
20	16QAM	1	0	24.15	0.260	24.20	0.263	25.48	0.353
20	16QAM	1	49	24.16	0.261	24.17	0.261	25.26	0.336
20	16QAM	1	99	24.10	0.257	24.05	0.254	25.50	0.355
20	16QAM	50	0	23.15	0.207	23.19	0.208	23.54	0.226
20	16QAM	50	24	23.09	0.204	23.02	0.200	23.28	0.213
20	16QAM	50	50	23.00	0.200	23.08	0.203	23.19	0.208
20	16QAM	100	0	23.20	0.209	23.08	0.203	23.45	0.221
20	64QAM	1	0	23.05	0.202	23.22	0.210	24.25	0.266
20	64QAM	1	49	23.18	0.208	23.17	0.207	24.57	0.286
20	64QAM	1	99	23.07	0.203	23.22	0.210	24.57	0.286
20	64QAM	50	0	22.13	0.163	22.22	0.167	22.42	0.175
20	64QAM	50	24	22.24	0.167	22.02	0.159	22.46	0.176
20	64QAM	50	50	22.16	0.164	22.06	0.161	22.52	0.179
20	64QAM	100	0	22.25	0.168	22.16	0.164	22.50	0.178





LTE Band 41 (Power Class 3)				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	25.05	0.320	25.16	0.328	26.16	0.413
15	QPSK	1	37	25.10	0.324	25.01	0.317	26.32	0.429
15	QPSK	1	74	25.01	0.317	25.09	0.323	26.11	0.408
15	QPSK	36	0	24.07	0.255	24.08	0.256	24.17	0.261
15	QPSK	36	20	24.01	0.252	24.09	0.256	24.44	0.278
15	QPSK	36	39	24.03	0.253	24.06	0.255	24.30	0.269
15	QPSK	75	0	24.00	0.251	24.06	0.255	24.32	0.270
15	16QAM	1	0	24.10	0.257	24.23	0.265	25.56	0.360
15	16QAM	1	37	24.29	0.269	24.13	0.259	25.50	0.355
15	16QAM	1	74	24.10	0.257	24.29	0.269	25.40	0.347
15	16QAM	36	0	23.25	0.211	23.09	0.204	23.55	0.226
15	16QAM	36	20	23.13	0.206	23.10	0.204	23.23	0.210
15	16QAM	36	39	23.03	0.201	23.07	0.203	23.50	0.224
15	16QAM	75	0	23.15	0.207	23.19	0.208	23.52	0.225
15	64QAM	1	0	23.34	0.216	23.29	0.213	24.30	0.269
15	64QAM	1	37	23.38	0.218	23.25	0.211	24.40	0.275
15	64QAM	1	74	23.39	0.218	23.26	0.212	24.35	0.272
15	64QAM	36	0	22.16	0.164	22.27	0.169	22.60	0.182
15	64QAM	36	20	22.22	0.167	22.30	0.170	22.43	0.175
15	64QAM	36	39	22.16	0.164	22.03	0.160	22.45	0.176
15	64QAM	75	0	22.23	0.167	22.13	0.163	22.24	0.167



LTE Band 41 (Power Class 3)				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	25.15	0.327	25.16	0.328	26.15	0.412
10	QPSK	1	25	25.03	0.318	25.09	0.323	26.13	0.410
10	QPSK	1	49	25.16	0.328	25.05	0.320	26.39	0.436
10	QPSK	25	0	24.03	0.253	24.06	0.255	24.18	0.262
10	QPSK	25	12	24.04	0.254	24.02	0.252	24.16	0.261
10	QPSK	25	25	24.01	0.252	24.04	0.254	24.15	0.260
10	QPSK	50	0	24.02	0.252	24.09	0.256	24.12	0.258
10	16QAM	1	0	24.19	0.262	24.31	0.270	25.59	0.362
10	16QAM	1	25	24.24	0.265	24.32	0.270	25.29	0.338
10	16QAM	1	49	24.23	0.265	24.20	0.263	25.49	0.354
10	16QAM	25	0	23.05	0.202	23.10	0.204	23.44	0.221
10	16QAM	25	12	23.04	0.201	23.05	0.202	23.27	0.212
10	16QAM	25	25	23.05	0.202	23.12	0.205	23.36	0.217
10	16QAM	50	0	23.16	0.207	23.15	0.207	23.41	0.219
10	64QAM	1	0	23.13	0.206	23.13	0.206	24.23	0.265
10	64QAM	1	25	23.05	0.202	23.20	0.209	24.63	0.290
10	64QAM	1	49	23.11	0.205	23.18	0.208	24.46	0.279
10	64QAM	25	0	22.23	0.167	22.23	0.167	22.59	0.182
10	64QAM	25	12	22.05	0.160	22.11	0.163	22.42	0.175
10	64QAM	25	25	22.02	0.159	22.11	0.163	22.26	0.168
10	64QAM	50	0	22.08	0.161	22.21	0.166	22.57	0.181



LTE Band 41 (Power Class 3)				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	25.07	0.321	25.18	0.330	26.39	0.436
5	QPSK	1	12	25.10	0.324	25.14	0.327	26.40	0.437
5	QPSK	1	24	25.10	0.324	25.14	0.327	26.25	0.422
5	QPSK	12	0	24.11	0.258	24.05	0.254	24.28	0.268
5	QPSK	12	7	24.07	0.255	24.01	0.252	24.33	0.271
5	QPSK	12	13	24.01	0.252	24.05	0.254	24.20	0.263
5	QPSK	25	0	24.06	0.255	24.00	0.251	24.27	0.267
5	16QAM	1	0	24.30	0.269	24.31	0.270	25.60	0.363
5	16QAM	1	12	24.06	0.255	24.08	0.256	25.33	0.341
5	16QAM	1	24	24.06	0.255	24.09	0.256	25.24	0.334
5	16QAM	12	0	23.00	0.200	23.22	0.210	23.45	0.221
5	16QAM	12	7	23.07	0.203	23.17	0.207	23.33	0.215
5	16QAM	12	13	23.01	0.200	23.02	0.200	23.41	0.219
5	16QAM	25	0	23.08	0.203	23.07	0.203	23.43	0.220
5	64QAM	1	0	23.25	0.211	23.35	0.216	24.40	0.275
5	64QAM	1	12	23.37	0.217	23.24	0.211	24.51	0.282
5	64QAM	1	24	23.38	0.218	23.20	0.209	24.47	0.280
5	64QAM	12	0	22.15	0.164	22.16	0.164	22.61	0.182
5	64QAM	12	7	22.18	0.165	22.23	0.167	22.38	0.173
5	64QAM	12	13	22.19	0.166	22.02	0.159	22.23	0.167
5	64QAM	25	0	22.21	0.166	22.10	0.162	22.34	0.171



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	24.53	0.284	24.68	0.294	24.59	0.288
20	QPSK	1	49	24.51	0.282	24.56	0.286	24.57	0.286
20	QPSK	1	99	24.57	0.286	24.48	0.281	24.38	0.274
20	QPSK	50	0	24.52	0.283	24.56	0.286	24.33	0.271
20	QPSK	50	24	24.58	0.287	24.63	0.290	24.42	0.277
20	QPSK	50	50	24.48	0.281	24.33	0.271	24.47	0.280
20	QPSK	100	0	24.37	0.274	24.40	0.275	24.41	0.276
20	16QAM	1	0	24.57	0.286	24.59	0.288	24.52	0.283
20	16QAM	1	49	24.52	0.283	24.51	0.282	24.61	0.289
20	16QAM	1	99	24.60	0.288	24.54	0.284	24.57	0.286
20	16QAM	50	0	24.48	0.281	24.60	0.288	24.46	0.279
20	16QAM	50	24	24.42	0.277	24.61	0.289	24.49	0.281
20	16QAM	50	50	24.46	0.279	24.47	0.280	24.45	0.279
20	16QAM	100	0	24.52	0.283	24.59	0.288	24.58	0.287
20	64QAM	1	0	21.18	0.131	21.39	0.138	21.29	0.135
20	64QAM	1	49	21.16	0.131	21.31	0.135	21.44	0.139
20	64QAM	1	99	21.28	0.134	21.27	0.134	21.37	0.137
20	64QAM	50	0	21.34	0.136	21.08	0.128	21.09	0.129
20	64QAM	50	24	21.16	0.131	21.10	0.129	21.09	0.129
20	64QAM	50	50	21.17	0.131	21.28	0.134	21.14	0.130
20	64QAM	100	0	21.18	0.131	21.07	0.128	21.12	0.129



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	24.59	0.288	24.65	0.292	24.57	0.286
15	QPSK	1	37	24.61	0.289	24.52	0.283	24.45	0.279
15	QPSK	1	74	24.44	0.278	24.66	0.292	24.36	0.273
15	QPSK	36	0	24.63	0.290	24.59	0.288	24.62	0.290
15	QPSK	36	20	24.36	0.273	24.35	0.272	24.51	0.282
15	QPSK	36	39	24.38	0.274	24.33	0.271	24.43	0.277
15	QPSK	75	0	24.39	0.275	24.41	0.276	24.50	0.282
15	16QAM	1	0	24.55	0.285	24.61	0.289	24.50	0.282
15	16QAM	1	37	24.53	0.284	24.60	0.288	24.57	0.286
15	16QAM	1	74	24.61	0.289	24.55	0.285	24.49	0.281
15	16QAM	36	0	24.53	0.284	24.53	0.284	24.58	0.287
15	16QAM	36	20	24.56	0.286	24.55	0.285	24.55	0.285
15	16QAM	36	39	24.52	0.283	24.49	0.281	24.35	0.272
15	16QAM	75	0	24.50	0.282	24.44	0.278	24.49	0.281
15	64QAM	1	0	21.22	0.132	21.40	0.138	21.28	0.134
15	64QAM	1	37	21.27	0.134	21.30	0.135	21.28	0.134
15	64QAM	1	74	21.31	0.135	21.35	0.136	21.17	0.131
15	64QAM	36	0	21.14	0.130	21.27	0.134	21.15	0.130
15	64QAM	36	20	21.24	0.133	21.30	0.135	21.21	0.132
15	64QAM	36	39	21.25	0.133	21.11	0.129	21.10	0.129
15	64QAM	75	0	21.30	0.135	21.08	0.128	21.13	0.130



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	24.48	0.281	24.64	0.291	24.46	0.279
10	QPSK	1	25	24.59	0.288	24.47	0.280	24.52	0.283
10	QPSK	1	49	24.51	0.282	24.61	0.289	24.42	0.277
10	QPSK	25	0	24.49	0.281	24.60	0.288	24.34	0.272
10	QPSK	25	12	24.56	0.286	24.59	0.288	24.49	0.281
10	QPSK	25	25	24.39	0.275	24.46	0.279	24.46	0.279
10	QPSK	50	0	24.40	0.275	24.32	0.270	24.35	0.272
10	16QAM	1	0	24.61	0.289	24.55	0.285	24.57	0.286
10	16QAM	1	25	24.53	0.284	24.58	0.287	24.54	0.284
10	16QAM	1	49	24.51	0.282	24.60	0.288	24.53	0.284
10	16QAM	25	0	24.61	0.289	24.56	0.286	24.48	0.281
10	16QAM	25	12	24.36	0.273	24.46	0.279	24.63	0.290
10	16QAM	25	25	24.54	0.284	24.38	0.274	24.31	0.270
10	16QAM	50	0	24.51	0.282	24.46	0.279	24.49	0.281
10	64QAM	1	0	21.10	0.129	21.21	0.132	21.02	0.126
10	64QAM	1	25	21.16	0.131	21.28	0.134	21.25	0.133
10	64QAM	1	49	21.39	0.138	21.17	0.131	21.17	0.131
10	64QAM	25	0	21.36	0.137	21.09	0.129	21.16	0.131
10	64QAM	25	12	21.03	0.127	21.03	0.127	21.06	0.128
10	64QAM	25	25	21.05	0.127	21.09	0.129	21.14	0.130
10	64QAM	50	0	21.09	0.129	21.17	0.131	21.10	0.129



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	24.59	0.288	24.66	0.292	24.55	0.285
5	QPSK	1	12	24.56	0.286	24.53	0.284	24.55	0.285
5	QPSK	1	24	24.57	0.286	24.58	0.287	24.53	0.284
5	QPSK	12	0	24.63	0.290	24.47	0.280	24.57	0.286
5	QPSK	12	7	24.53	0.284	24.43	0.277	24.34	0.272
5	QPSK	12	13	24.55	0.285	24.38	0.274	24.41	0.276
5	QPSK	25	0	24.49	0.281	24.48	0.281	24.35	0.272
5	16QAM	1	0	24.56	0.286	24.63	0.290	24.62	0.290
5	16QAM	1	12	24.49	0.281	24.59	0.288	24.55	0.285
5	16QAM	1	24	24.61	0.289	24.56	0.286	24.49	0.281
5	16QAM	12	0	24.54	0.284	24.54	0.284	24.47	0.280
5	16QAM	12	7	24.60	0.288	24.46	0.279	24.52	0.283
5	16QAM	12	13	24.56	0.286	24.52	0.283	24.43	0.277
5	16QAM	25	0	24.45	0.279	24.51	0.282	24.59	0.288
5	64QAM	1	0	21.39	0.138	21.36	0.137	21.01	0.126
5	64QAM	1	12	21.45	0.140	21.30	0.135	21.21	0.132
5	64QAM	1	24	21.24	0.133	21.33	0.136	21.28	0.134
5	64QAM	12	0	21.20	0.132	21.26	0.134	21.31	0.135
5	64QAM	12	7	21.28	0.134	21.38	0.137	21.18	0.131
5	64QAM	12	13	21.17	0.131	21.32	0.136	21.18	0.131
5	64QAM	25	0	21.05	0.127	21.00	0.126	21.19	0.132



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	24.53	0.284	24.63	0.290	24.61	0.289
3	QPSK	1	8	24.54	0.284	24.54	0.284	24.62	0.290
3	QPSK	1	14	24.42	0.277	24.48	0.281	24.55	0.285
3	QPSK	8	0	24.39	0.275	24.38	0.274	24.28	0.268
3	QPSK	8	4	24.38	0.274	24.31	0.270	24.40	0.275
3	QPSK	8	7	24.35	0.272	24.50	0.282	24.26	0.267
3	QPSK	15	0	24.29	0.269	24.31	0.270	24.35	0.272
3	16QAM	1	0	24.49	0.281	24.60	0.288	24.57	0.286
3	16QAM	1	8	24.54	0.284	24.57	0.286	24.53	0.284
3	16QAM	1	14	24.57	0.286	24.51	0.282	24.50	0.282
3	16QAM	8	0	24.53	0.284	24.52	0.283	24.52	0.283
3	16QAM	8	4	24.48	0.281	24.47	0.280	24.51	0.282
3	16QAM	8	7	24.60	0.288	24.59	0.288	24.48	0.281
3	16QAM	15	0	24.66	0.292	24.54	0.284	24.56	0.286
3	64QAM	1	0	21.28	0.134	21.26	0.134	21.30	0.135
3	64QAM	1	8	21.35	0.136	21.45	0.140	21.27	0.134
3	64QAM	1	14	21.32	0.136	21.37	0.137	21.43	0.139
3	64QAM	8	0	21.34	0.136	21.29	0.135	21.28	0.134
3	64QAM	8	4	21.18	0.131	21.07	0.128	21.00	0.126
3	64QAM	8	7	21.01	0.126	21.02	0.126	21.02	0.126
3	64QAM	15	0	21.04	0.127	21.10	0.129	21.15	0.130





LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	24.46	0.279	24.64	0.291	24.62	0.290
1.4	QPSK	1	3	24.36	0.273	24.53	0.284	24.61	0.289
1.4	QPSK	1	5	24.57	0.286	24.43	0.277	24.35	0.272
1.4	QPSK	3	0	24.48	0.281	24.54	0.284	24.49	0.281
1.4	QPSK	3	1	24.38	0.274	24.54	0.284	24.50	0.282
1.4	QPSK	3	3	24.34	0.272	24.46	0.279	24.42	0.277
1.4	QPSK	6	0	24.20	0.263	24.41	0.276	24.27	0.267
1.4	16QAM	1	0	24.60	0.288	24.58	0.287	24.52	0.283
1.4	16QAM	1	3	24.57	0.286	24.61	0.289	24.56	0.286
1.4	16QAM	1	5	24.56	0.286	24.54	0.284	24.49	0.281
1.4	16QAM	3	0	24.60	0.288	24.56	0.286	24.49	0.281
1.4	16QAM	3	1	24.54	0.284	24.55	0.285	24.38	0.274
1.4	16QAM	3	3	24.49	0.281	24.44	0.278	24.52	0.283
1.4	16QAM	6	0	24.55	0.285	24.54	0.284	24.51	0.282
1.4	64QAM	1	0	21.25	0.133	21.37	0.137	21.32	0.136
1.4	64QAM	1	3	21.11	0.129	21.29	0.135	21.44	0.139
1.4	64QAM	1	5	21.42	0.139	21.42	0.139	21.43	0.139
1.4	64QAM	3	0	21.29	0.135	21.18	0.131	21.26	0.134
1.4	64QAM	3	1	21.29	0.135	21.35	0.136	21.05	0.127
1.4	64QAM	3	3	21.23	0.133	21.27	0.134	21.07	0.128
1.4	64QAM	6	0	21.07	0.128	21.12	0.129	21.18	0.131



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	21.88	0.154	21.97	0.157	21.92	0.156
20	QPSK	1	49	21.87	0.154	21.85	0.153	21.87	0.154
20	QPSK	1	99	21.89	0.155	21.85	0.153	21.88	0.154
20	QPSK	50	0	20.95	0.124	20.96	0.125	20.91	0.123
20	QPSK	50	24	20.92	0.124	20.90	0.123	20.94	0.124
20	QPSK	50	50	20.88	0.122	20.92	0.124	20.95	0.124
20	QPSK	100	0	20.93	0.124	20.86	0.122	20.90	0.123
20	16QAM	1	0	21.22	0.132	21.24	0.133	20.99	0.126
20	16QAM	1	49	21.00	0.126	21.14	0.130	20.94	0.124
20	16QAM	1	99	20.95	0.124	21.08	0.128	20.89	0.123
20	16QAM	50	0	20.06	0.101	20.19	0.104	19.88	0.097
20	16QAM	50	24	19.91	0.098	19.98	0.100	19.91	0.098
20	16QAM	50	50	19.85	0.097	19.91	0.098	19.94	0.099
20	16QAM	100	0	19.93	0.098	19.84	0.096	19.88	0.097
20	64QAM	1	0	20.06	0.101	20.22	0.105	20.13	0.103
20	64QAM	1	49	20.16	0.104	20.10	0.102	20.11	0.103
20	64QAM	1	99	20.00	0.100	20.22	0.105	20.06	0.101
20	64QAM	50	0	19.05	0.080	19.20	0.083	19.15	0.082
20	64QAM	50	24	19.18	0.083	19.02	0.080	19.13	0.082
20	64QAM	50	50	18.96	0.079	18.88	0.077	18.89	0.077
20	64QAM	100	0	19.01	0.080	18.90	0.078	19.01	0.080



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	21.91	0.155	21.95	0.157	21.86	0.153
15	QPSK	1	37	21.76	0.150	21.89	0.155	21.93	0.156
15	QPSK	1	74	21.85	0.153	21.86	0.153	21.74	0.149
15	QPSK	36	0	20.95	0.124	20.98	0.125	20.91	0.123
15	QPSK	36	20	20.87	0.122	20.95	0.124	20.95	0.124
15	QPSK	36	39	20.93	0.124	20.92	0.124	20.91	0.123
15	QPSK	75	0	20.90	0.123	20.94	0.124	20.85	0.122
15	16QAM	1	0	21.27	0.134	20.98	0.125	21.01	0.126
15	16QAM	1	37	21.18	0.131	21.05	0.127	21.04	0.127
15	16QAM	1	74	21.25	0.133	21.20	0.132	20.94	0.124
15	16QAM	36	0	20.15	0.104	19.90	0.098	20.03	0.101
15	16QAM	36	20	19.97	0.099	19.89	0.097	19.91	0.098
15	16QAM	36	39	19.92	0.098	20.04	0.101	19.92	0.098
15	16QAM	75	0	20.02	0.100	20.00	0.100	20.07	0.102
15	64QAM	1	0	20.13	0.103	19.93	0.098	20.12	0.103
15	64QAM	1	37	20.16	0.104	20.07	0.102	20.21	0.105
15	64QAM	1	74	20.12	0.103	20.08	0.102	20.01	0.100
15	64QAM	36	0	19.00	0.079	19.24	0.084	19.11	0.081
15	64QAM	36	20	19.06	0.081	19.00	0.079	19.14	0.082
15	64QAM	36	39	18.77	0.075	19.16	0.082	19.12	0.082
15	64QAM	75	0	19.01	0.080	18.83	0.076	18.93	0.078



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	21.91	0.155	21.94	0.156	21.92	0.156
10	QPSK	1	25	21.90	0.155	21.81	0.152	21.75	0.150
10	QPSK	1	49	21.86	0.153	21.86	0.153	21.73	0.149
10	QPSK	25	0	20.93	0.124	20.90	0.123	20.88	0.122
10	QPSK	25	12	20.90	0.123	20.95	0.124	20.89	0.123
10	QPSK	25	25	20.94	0.124	20.92	0.124	20.89	0.123
10	QPSK	50	0	20.90	0.123	20.88	0.122	20.92	0.124
10	16QAM	1	0	20.97	0.125	21.25	0.133	21.15	0.130
10	16QAM	1	25	21.11	0.129	21.02	0.126	21.01	0.126
10	16QAM	1	49	21.16	0.131	21.10	0.129	20.94	0.124
10	16QAM	25	0	19.86	0.097	19.94	0.099	19.89	0.097
10	16QAM	25	12	20.05	0.101	19.82	0.096	19.98	0.100
10	16QAM	25	25	19.79	0.095	19.99	0.100	19.77	0.095
10	16QAM	50	0	19.99	0.100	19.72	0.094	19.85	0.097
10	64QAM	1	0	20.10	0.102	20.12	0.103	20.19	0.104
10	64QAM	1	25	20.18	0.104	20.15	0.104	20.14	0.103
10	64QAM	1	49	20.00	0.100	20.03	0.101	20.08	0.102
10	64QAM	25	0	19.20	0.083	19.17	0.083	18.91	0.078
10	64QAM	25	12	19.09	0.081	18.88	0.077	19.13	0.082
10	64QAM	25	25	18.98	0.079	19.08	0.081	18.94	0.078
10	64QAM	50	0	18.98	0.079	19.08	0.081	19.11	0.081



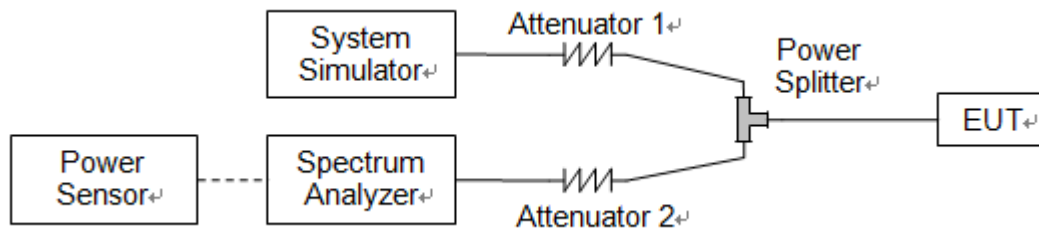
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.70	0.148	21.95	0.157	21.84	0.153
5	QPSK	1	12	21.70	0.148	21.86	0.153	21.92	0.156
5	QPSK	1	24	21.89	0.155	21.90	0.155	21.80	0.151
5	QPSK	12	0	20.91	0.123	20.87	0.122	20.86	0.122
5	QPSK	12	7	20.94	0.124	21.00	0.126	20.88	0.122
5	QPSK	12	13	20.90	0.123	20.86	0.122	20.98	0.125
5	QPSK	25	0	20.86	0.122	20.92	0.124	20.93	0.124
5	16QAM	1	0	20.99	0.126	21.13	0.130	21.24	0.133
5	16QAM	1	12	21.05	0.127	21.11	0.129	21.06	0.128
5	16QAM	1	24	20.92	0.124	20.95	0.124	20.93	0.124
5	16QAM	12	0	20.05	0.101	20.19	0.104	20.12	0.103
5	16QAM	12	7	19.84	0.096	19.95	0.099	19.90	0.098
5	16QAM	12	13	19.91	0.098	20.03	0.101	19.95	0.099
5	16QAM	25	0	19.78	0.095	19.93	0.098	19.82	0.096
5	64QAM	1	0	20.04	0.101	19.99	0.100	19.99	0.100
5	64QAM	1	12	20.26	0.106	20.15	0.104	20.27	0.106
5	64QAM	1	24	20.18	0.104	20.08	0.102	20.19	0.104
5	64QAM	12	0	18.98	0.079	19.19	0.083	18.92	0.078
5	64QAM	12	7	19.10	0.081	18.93	0.078	19.13	0.082
5	64QAM	12	13	18.97	0.079	18.98	0.079	19.04	0.080
5	64QAM	25	0	18.88	0.077	18.95	0.079	19.11	0.081

## 2.2. Occupied Bandwidth

### 2.2.1. Requirement

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

### 2.2.2. Test Description



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

### 2.2.3. Test Procedure

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

### 2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.26
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.10	1.25
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.10	1.24
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	3.01
	Low	64QAM	2.71	3.02
	Mid	QPSK	2.69	2.99
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.71	3.02
	High	QPSK	2.70	3.00
	High	16QAM	2.70	2.99
	High	64QAM	2.71	3.01
5	Low	QPSK	4.50	4.99
	Low	16QAM	4.51	4.92
	Low	64QAM	4.51	4.96
	Mid	QPSK	4.51	4.98
	Mid	16QAM	4.51	5.03
	Mid	64QAM	4.50	4.96
	High	QPSK	4.50	4.98
	High	16QAM	4.50	4.96
	High	64QAM	4.49	4.95
10	Low	QPSK	8.98	9.80
	Low	16QAM	8.97	9.79
	Low	64QAM	8.98	9.88
	Mid	QPSK	9.00	9.76
	Mid	16QAM	8.97	9.78
	Mid	64QAM	8.97	9.85
	High	QPSK	9.00	9.82
	High	16QAM	8.95	9.70
	High	64QAM	8.97	9.79



15	Low	QPSK	13.43	14.65
	Low	16QAM	13.44	14.75
	Low	64QAM	13.44	14.69
	Mid	QPSK	13.46	14.66
	Mid	16QAM	13.47	14.59
	Mid	64QAM	13.45	14.55
	High	QPSK	13.44	14.72
	High	16QAM	13.45	14.75
	High	64QAM	13.45	14.65
20	Low	QPSK	17.91	19.35
	Low	16QAM	17.92	19.36
	Low	64QAM	17.90	19.47
	Mid	QPSK	17.93	19.49
	Mid	16QAM	17.96	19.43
	Mid	64QAM	17.93	19.36
	High	QPSK	17.97	19.55
	High	16QAM	17.98	19.46
	High	64QAM	17.98	19.47





LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.23
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.10	1.23
	High	QPSK	1.10	1.23
	High	16QAM	1.09	1.23
	High	64QAM	1.10	1.24
3	Low	QPSK	2.70	3.01
	Low	16QAM	2.70	3.01
	Low	64QAM	2.71	3.00
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.70	3.02
	Mid	64QAM	2.71	3.00
	High	QPSK	2.70	2.98
	High	16QAM	2.71	2.99
	High	64QAM	2.71	2.99
5	Low	QPSK	4.51	5.00
	Low	16QAM	4.51	4.95
	Low	64QAM	4.52	4.98
	Mid	QPSK	4.51	4.99
	Mid	16QAM	4.50	5.03
	Mid	64QAM	4.52	4.99
	High	QPSK	4.50	5.01
	High	16QAM	4.51	4.94
	High	64QAM	4.50	5.00
10	Low	QPSK	9.01	9.82
	Low	16QAM	8.97	9.79
	Low	64QAM	8.99	9.84
	Mid	QPSK	9.02	9.85
	Mid	16QAM	8.95	9.73
	Mid	64QAM	8.98	9.82
	High	QPSK	9.01	9.81
	High	16QAM	8.96	9.75
	High	64QAM	8.99	9.82



15	Low	QPSK	13.49	14.58
	Low	16QAM	13.48	14.67
	Low	64QAM	13.44	14.66
	Mid	QPSK	13.44	14.62
	Mid	16QAM	13.47	14.68
	Mid	64QAM	13.44	14.80
	High	QPSK	13.47	14.72
	High	16QAM	13.46	14.62
	High	64QAM	13.44	14.72
20	Low	QPSK	17.96	19.54
	Low	16QAM	17.97	19.42
	Low	64QAM	18.00	19.55
	Mid	QPSK	17.96	19.55
	Mid	16QAM	18.00	19.48
	Mid	64QAM	17.95	19.48
	High	QPSK	17.89	19.40
	High	16QAM	17.96	19.47
	High	64QAM	17.93	19.52



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.09	1.23
	Low	64QAM	1.09	1.23
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.23
	Mid	64QAM	1.09	1.23
	High	QPSK	1.09	1.23
	High	16QAM	1.10	1.24
	High	64QAM	1.10	1.24
3	Low	QPSK	2.70	3.01
	Low	16QAM	2.70	3.01
	Low	64QAM	2.70	2.98
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.70	3.01
	Mid	64QAM	2.71	2.99
	High	QPSK	2.70	3.00
	High	16QAM	2.70	3.00
	High	64QAM	2.70	2.99
5	Low	QPSK	4.51	4.98
	Low	16QAM	4.51	4.93
	Low	64QAM	4.51	4.97
	Mid	QPSK	4.51	4.99
	Mid	16QAM	4.51	4.95
	Mid	64QAM	4.52	4.96
	High	QPSK	4.50	4.98
	High	16QAM	4.51	4.97
	High	64QAM	4.51	4.95
10	Low	QPSK	9.00	9.84
	Low	16QAM	8.98	9.78
	Low	64QAM	8.98	9.82
	Mid	QPSK	8.99	9.81
	Mid	16QAM	8.97	9.75
	Mid	64QAM	8.99	9.82
	High	QPSK	9.00	9.85
	High	16QAM	8.97	9.81
	High	64QAM	8.98	9.85



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	4.91
	Low	16QAM	4.50	4.98
	Low	64QAM	4.51	4.96
	Mid	QPSK	4.51	4.99
	Mid	16QAM	4.51	4.93
	Mid	64QAM	4.51	4.96
	High	QPSK	4.51	4.98
	High	16QAM	4.51	4.98
	High	64QAM	4.51	4.92
10	Low	QPSK	9.00	9.79
	Low	16QAM	8.96	9.81
	Low	64QAM	8.98	9.89
	Mid	QPSK	8.99	9.77
	Mid	16QAM	8.96	9.77
	Mid	64QAM	8.97	9.82
	High	QPSK	9.00	9.85
	High	16QAM	8.95	9.79
	High	64QAM	8.96	9.77
15	Low	QPSK	13.43	14.73
	Low	16QAM	13.45	14.57
	Low	64QAM	13.46	14.57
	Mid	QPSK	13.46	14.64
	Mid	16QAM	13.45	14.57
	Mid	64QAM	13.40	14.51
	High	QPSK	13.41	14.68
	High	16QAM	13.42	14.69
	High	64QAM	13.44	14.60
20	Low	QPSK	17.91	19.49
	Low	16QAM	17.96	19.44
	Low	64QAM	17.93	19.39
	Mid	QPSK	17.94	19.59
	Mid	16QAM	17.94	19.48
	Mid	64QAM	17.98	19.56
	High	QPSK	17.88	19.37
	High	16QAM	17.92	19.41
	High	64QAM	17.90	19.55



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.09	1.23
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.23
	Mid	64QAM	1.10	1.24
	High	QPSK	1.10	1.25
	High	16QAM	1.10	1.23
	High	64QAM	1.10	1.24
3	Low	QPSK	2.70	3.00
	Low	16QAM	2.70	3.01
	Low	64QAM	2.71	2.99
	Mid	QPSK	2.71	2.99
	Mid	16QAM	2.70	2.98
	Mid	64QAM	2.71	3.00
	High	QPSK	2.71	3.03
	High	16QAM	2.70	2.99
	High	64QAM	2.70	2.98
5	Low	QPSK	4.51	4.97
	Low	16QAM	4.51	4.96
	Low	64QAM	4.52	4.93
	Mid	QPSK	4.50	4.99
	Mid	16QAM	4.51	5.00
	Mid	64QAM	4.50	4.97
	High	QPSK	4.50	4.95
	High	16QAM	4.51	4.96
	High	64QAM	4.51	4.98
10	Low	QPSK	8.97	9.83
	Low	16QAM	8.96	9.73
	Low	64QAM	8.98	9.83
	Mid	QPSK	9.00	9.79
	Mid	16QAM	8.96	9.78
	Mid	64QAM	8.98	9.84
	High	QPSK	8.97	9.76
	High	16QAM	8.95	9.79
	High	64QAM	8.96	9.79



LTE Band 13				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	5.00
	Low	16QAM	4.50	4.92
	Low	64QAM	4.50	4.98
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.50	4.96
	Mid	64QAM	4.52	4.99
	High	QPSK	4.51	4.95
	High	16QAM	4.51	5.02
	High	64QAM	4.51	4.98
10	Mid	QPSK	9.00	9.73
	Mid	16QAM	8.94	9.74
	Mid	64QAM	8.95	9.77

LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	4.97
	Low	16QAM	4.51	4.98
	Low	64QAM	4.51	4.97
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.51	4.93
	Mid	64QAM	4.51	4.95
	High	QPSK	4.50	4.97
	High	16QAM	4.51	4.94
	High	64QAM	4.49	4.98
10	Low	QPSK	9.01	9.76
	Low	16QAM	8.96	9.75
	Low	64QAM	8.98	9.79
	Mid	QPSK	9.01	9.84
	Mid	16QAM	8.96	9.80
	Mid	64QAM	8.99	9.81
	High	QPSK	8.99	9.74
	High	16QAM	8.95	9.78
	High	64QAM	8.98	9.79



LTE Band 25				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.24
	Low	16QAM	1.10	1.23
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.09	1.23
	Mid	16QAM	1.09	1.23
	Mid	64QAM	1.10	1.24
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.23
	High	64QAM	1.10	1.24
3	Low	QPSK	2.70	3.02
	Low	16QAM	2.71	3.01
	Low	64QAM	2.70	3.00
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.70	3.02
	Mid	64QAM	2.71	2.99
	High	QPSK	2.70	3.00
	High	16QAM	2.71	3.00
	High	64QAM	2.71	2.98
5	Low	QPSK	4.51	4.99
	Low	16QAM	4.51	4.91
	Low	64QAM	4.51	4.97
	Mid	QPSK	4.51	4.96
	Mid	16QAM	4.51	5.00
	Mid	64QAM	4.53	4.99
	High	QPSK	4.51	5.00
	High	16QAM	4.51	4.94
	High	64QAM	4.51	4.97
10	Low	QPSK	9.01	9.79
	Low	16QAM	8.97	9.73
	Low	64QAM	8.97	9.76
	Mid	QPSK	8.99	9.80
	Mid	16QAM	8.96	9.70
	Mid	64QAM	8.99	9.83
	High	QPSK	9.00	9.85
	High	16QAM	8.96	9.76
	High	64QAM	8.99	9.79



15	Low	QPSK	13.45	14.57
	Low	16QAM	13.43	14.61
	Low	64QAM	13.42	14.71
	Mid	QPSK	13.47	14.59
	Mid	16QAM	13.45	14.68
	Mid	64QAM	13.44	14.39
	High	QPSK	13.41	14.60
	High	16QAM	13.41	14.58
	High	64QAM	13.43	14.57
20	Low	QPSK	17.89	19.40
	Low	16QAM	17.93	19.37
	Low	64QAM	17.92	19.38
	Mid	QPSK	17.91	19.44
	Mid	16QAM	17.89	19.40
	Mid	64QAM	17.91	19.35
	High	QPSK	17.88	19.39
	High	16QAM	17.95	19.43
	High	64QAM	17.91	19.51





LTE Band 26				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.09	1.24
	Low	64QAM	1.10	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.09	1.23
	Mid	64QAM	1.10	1.23
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.23
	High	64QAM	1.10	1.24
3	Low	QPSK	2.70	3.00
	Low	16QAM	2.70	3.01
	Low	64QAM	2.71	3.00
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.71	3.00
	Mid	64QAM	2.71	2.98
	High	QPSK	2.70	3.01
	High	16QAM	2.71	3.01
	High	64QAM	2.71	2.99
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.51	4.94
	Low	64QAM	4.51	5.02
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.51	4.98
	Mid	64QAM	4.51	4.99
	High	QPSK	4.51	4.99
	High	16QAM	4.51	5.00
	High	64QAM	4.51	4.95
10	Low	QPSK	8.98	9.91
	Low	16QAM	8.98	9.77
	Low	64QAM	9.00	9.85
	Mid	QPSK	8.98	9.80
	Mid	16QAM	8.97	9.72
	Mid	64QAM	8.98	9.78
	High	QPSK	9.01	9.81
	High	16QAM	8.97	9.79
	High	64QAM	8.99	9.81



15	Low	QPSK	13.47	14.74
	Low	16QAM	13.47	14.82
	Low	64QAM	13.47	14.71
	Mid	QPSK	13.47	14.69
	Mid	16QAM	13.44	14.64
	Mid	64QAM	13.42	14.62
	High	QPSK	13.41	14.58
	High	16QAM	13.44	14.73
	High	64QAM	13.43	14.68



LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.51	4.99
	Low	64QAM	4.50	5.14
	Mid	QPSK	4.50	4.94
	Mid	16QAM	4.50	4.92
	Mid	64QAM	4.49	4.92
	High	QPSK	4.51	5.01
	High	16QAM	4.51	4.92
	High	64QAM	4.49	5.04
10	Low	QPSK	8.96	9.71
	Low	16QAM	8.96	9.74
	Low	64QAM	8.96	9.69
	Mid	QPSK	8.98	9.73
	Mid	16QAM	8.96	9.76
	Mid	64QAM	8.97	9.73
	High	QPSK	8.97	9.76
	High	16QAM	8.97	9.72
	High	64QAM	8.95	9.77
15	Low	QPSK	13.44	14.47
	Low	16QAM	13.46	14.60
	Low	64QAM	13.44	14.71
	Mid	QPSK	13.46	14.57
	Mid	16QAM	13.44	14.65
	Mid	64QAM	13.46	14.59
	High	QPSK	13.42	14.59
	High	16QAM	13.46	14.56
	High	64QAM	13.45	14.49
20	Low	QPSK	17.86	19.34
	Low	16QAM	17.89	19.45
	Low	64QAM	17.88	19.38
	Mid	QPSK	17.90	19.42
	Mid	16QAM	17.89	19.37
	Mid	64QAM	17.87	19.36
	High	QPSK	17.85	19.23
	High	16QAM	17.84	19.29
	High	64QAM	17.86	19.22



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.10	1.24
	Low	64QAM	1.10	1.23
	Mid	QPSK	1.09	1.23
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.10	1.24
	High	QPSK	1.10	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.10	1.23
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	3.02
	Low	64QAM	2.71	2.98
	Mid	QPSK	2.70	3.02
	Mid	16QAM	2.70	3.01
	Mid	64QAM	2.71	2.97
	High	QPSK	2.71	3.01
	High	16QAM	2.71	3.07
	High	64QAM	2.70	3.00
5	Low	QPSK	4.51	4.98
	Low	16QAM	4.51	4.93
	Low	64QAM	4.52	4.99
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.51	4.99
	Mid	64QAM	4.52	4.99
	High	QPSK	4.51	5.01
	High	16QAM	4.54	5.14
	High	64QAM	4.52	4.99
10	Low	QPSK	9.00	9.76
	Low	16QAM	8.97	9.78
	Low	64QAM	8.98	9.85
	Mid	QPSK	9.00	9.80
	Mid	16QAM	8.98	9.78
	Mid	64QAM	8.99	9.77
	High	QPSK	9.00	9.84
	High	16QAM	9.00	11.79
	High	64QAM	8.98	9.80



15	Low	QPSK	13.45	14.74
	Low	16QAM	13.47	14.64
	Low	64QAM	13.47	14.74
	Mid	QPSK	13.42	14.61
	Mid	16QAM	13.46	14.63
	Mid	64QAM	13.44	14.51
	High	QPSK	13.45	14.74
	High	16QAM	13.50	14.66
	High	64QAM	13.44	14.78
20	Low	QPSK	17.93	19.47
	Low	16QAM	17.96	19.48
	Low	64QAM	17.98	19.55
	Mid	QPSK	17.92	19.34
	Mid	16QAM	17.96	19.53
	Mid	64QAM	17.94	19.47
	High	QPSK	17.91	19.42
	High	16QAM	18.01	19.67
	High	64QAM	17.95	19.57



LTE Band 71				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.97
	Low	16QAM	4.51	5.03
	Low	64QAM	4.51	4.98
	Mid	QPSK	4.50	4.99
	Mid	16QAM	4.51	5.00
	Mid	64QAM	4.52	4.97
	High	QPSK	4.50	5.00
	High	16QAM	4.50	4.98
	High	64QAM	4.51	4.99
10	Low	QPSK	9.00	9.85
	Low	16QAM	8.97	9.73
	Low	64QAM	8.99	9.83
	Mid	QPSK	8.99	9.84
	Mid	16QAM	8.97	9.76
	Mid	64QAM	8.98	9.80
	High	QPSK	9.00	9.80
	High	16QAM	8.98	9.78
	High	64QAM	8.99	9.80
15	Low	QPSK	13.44	14.63
	Low	16QAM	13.46	14.60
	Low	64QAM	13.44	14.67
	Mid	QPSK	13.44	14.73
	Mid	16QAM	13.45	14.63
	Mid	64QAM	13.43	14.74
	High	QPSK	13.47	14.73
	High	16QAM	13.46	14.67
	High	64QAM	13.45	14.67
20	Low	QPSK	17.92	19.47
	Low	16QAM	17.92	19.45
	Low	64QAM	17.92	19.45
	Mid	QPSK	17.91	19.45
	Mid	16QAM	17.94	19.46
	Mid	64QAM	17.95	19.54
	High	QPSK	17.92	19.42
	High	16QAM	17.98	19.44
	High	64QAM	17.93	19.45



B2 / 1.4MHz / QPSK/ Low CH



B2 / 1.4MHz / 16QAM/ Low CH



B2 / 1.4MHz / 64QAM/ Low CH



B2 / 1.4MHz / QPSK/ Mid CH



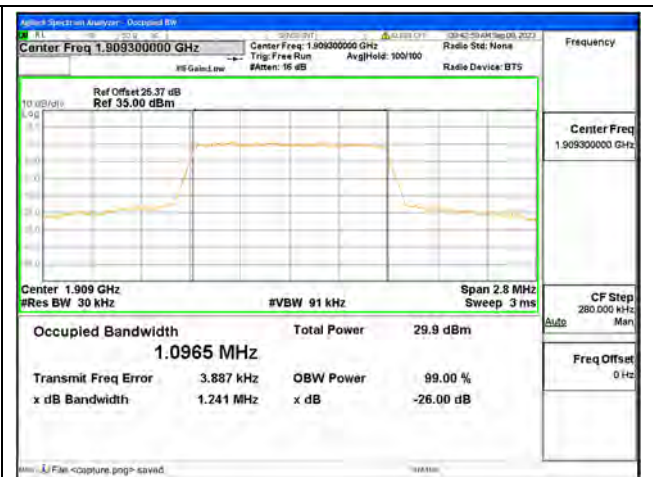
B2 / 1.4MHz / 16QAM/ Mid CH



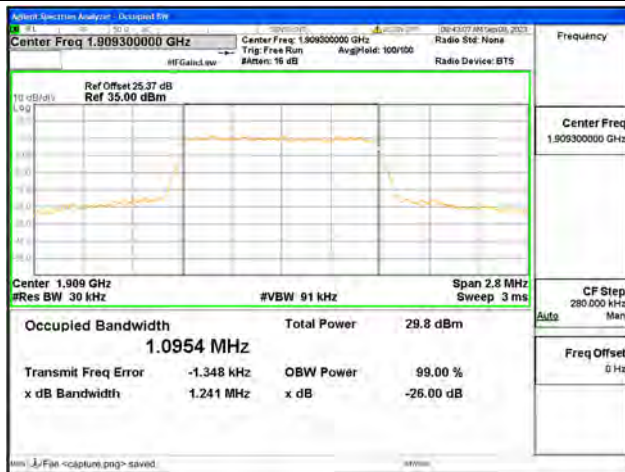
B2 / 1.4MHz / 64QAM/ Mid CH



B2 / 1.4MHz / QPSK/ High CH



B2 / 1.4MHz / 16QAM/ High CH



B2 / 1.4MHz / 64QAM/ High CH



B2 / 3MHz / QPSK/ Low CH



B2 / 3MHz / 16QAM/ Low CH



B2 / 3MHz / 64QAM/ Low CH

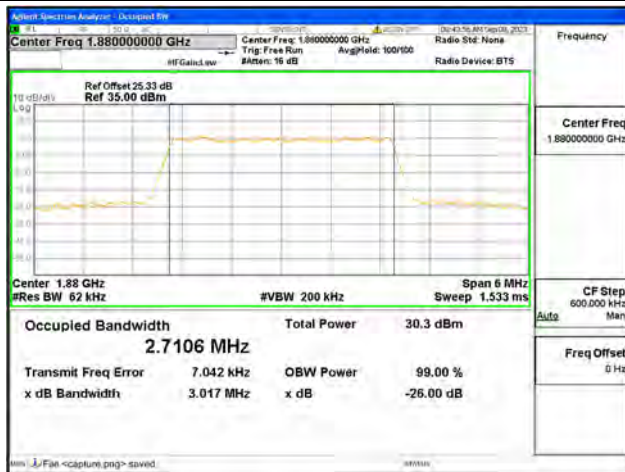




B2 / 3MHz / QPSK/ Mid CH



B2 / 3MHz / 16QAM/ Mid CH



B2 / 3MHz / 64QAM/ Mid CH



B2 / 3MHz / QPSK/ High CH



B2 / 3MHz / 16QAM/ High CH



B2 / 3MHz / 64QAM/ High CH



B2 / 5MHz / QPSK/ Low CH



B2 / 5MHz / 16QAM/ Low CH



B2 / 5MHz / 64QAM/ Low CH



B2 / 5MHz / QPSK/ Mid CH



B2 / 5MHz / 16QAM/ Mid CH



B2 / 5MHz / 64QAM/ Mid CH



B2 / 5MHz / QPSK/ High CH



B2 / 5MHz / 16QAM/ High CH



B2 / 5MHz / 64QAM/ High CH



B2 / 10MHz / QPSK/ Low CH



B2 / 10MHz / 16QAM/ Low CH



B2 / 10MHz / 64QAM/ Low CH



B2 / 10MHz / QPSK/ Mid CH



B2 / 10MHz / 16QAM/ Mid CH



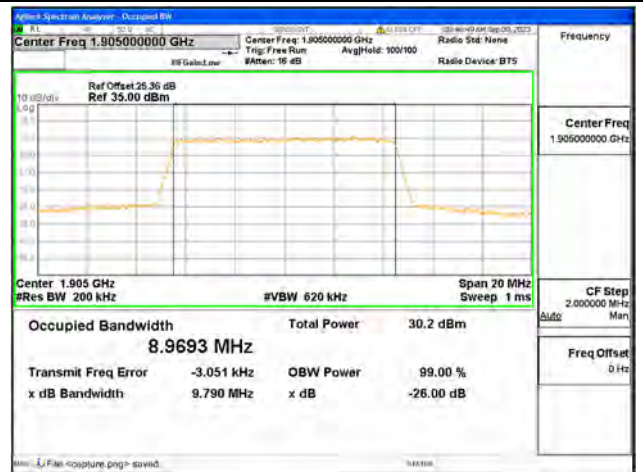
B2 / 10MHz / 64QAM/ Mid CH



B2 / 10MHz / QPSK/ High CH



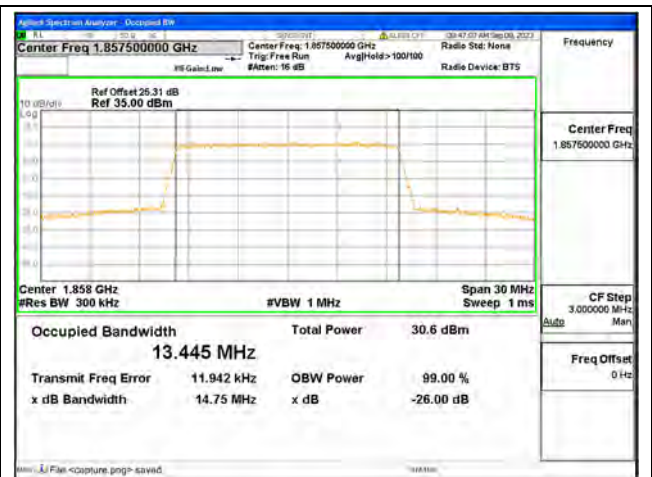
B2 / 10MHz / 16QAM/ High CH



B2 / 10MHz / 64QAM/ High CH



B2 / 15MHz / QPSK/ Low CH



B2 / 15MHz / 16QAM/ Low CH



B2 / 15MHz / 64QAM/ Low CH



B2 / 15MHz / QPSK/ Mid CH



B2 / 15MHz / 16QAM/ Mid CH



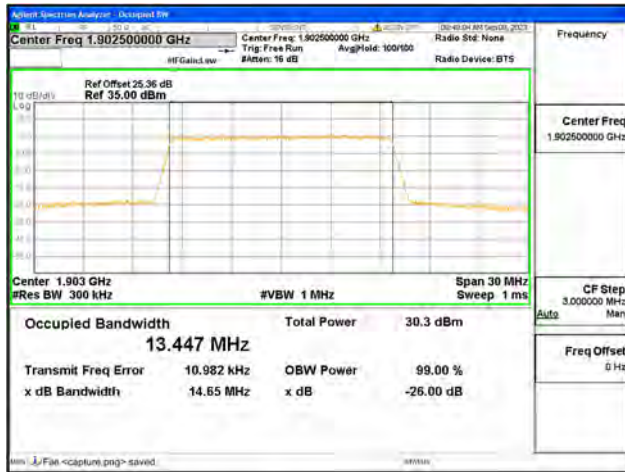
B2 / 15MHz / 64QAM/ Mid CH



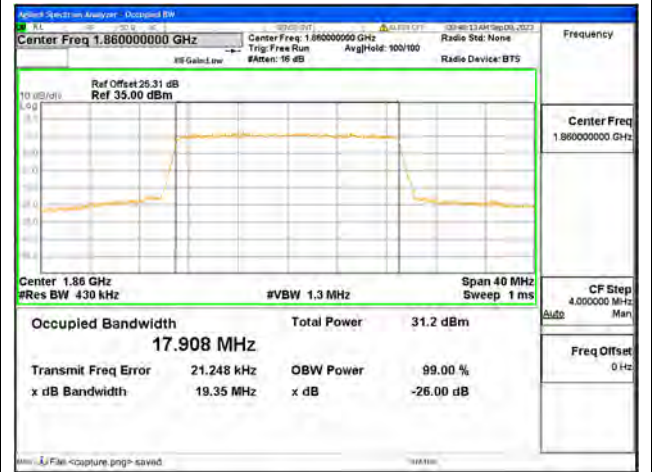
B2 / 15MHz / QPSK/ High CH



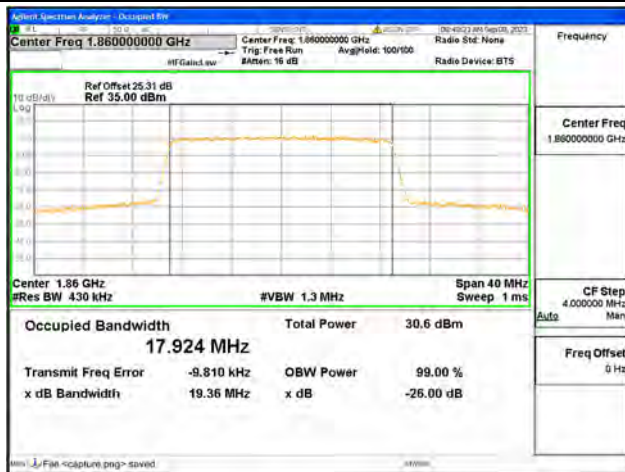
B2 / 15MHz / 16QAM/ High CH



B2 / 15MHz / 64QAM/ High CH



B2 / 20MHz / QPSK/ Low CH



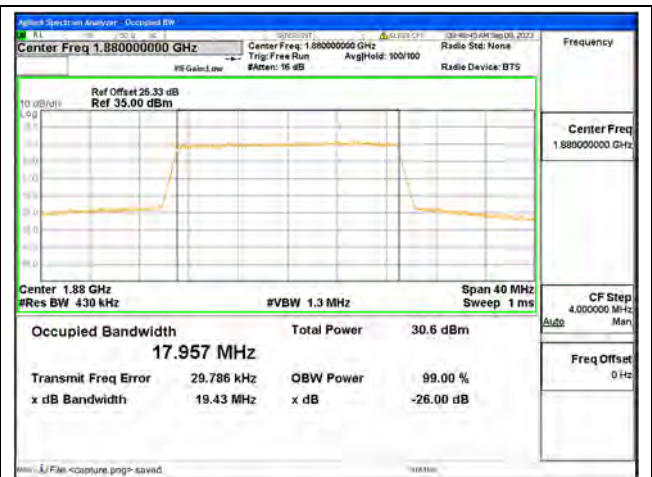
B2 / 20MHz / 16QAM/ Low CH



B2 / 20MHz / 64QAM/ Low CH



B2 / 20MHz / QPSK/ Mid CH



B2 / 20MHz / 16QAM/ Mid CH



B2 / 20MHz / 64QAM/ Mid CH



B2 / 20MHz / QPSK/ High CH



B2 / 20MHz / 16QAM/ High CH



B2 / 20MHz / 64QAM/ High CH



B4 / 1.4MHz / QPSK/ Low CH



B4 / 1.4MHz / 16QAM/ Low CH



B4 / 1.4MHz / 64QAM/ Low CH



B4 / 1.4MHz / QPSK/ Mid CH



B4 / 1.4MHz / 16QAM/ Mid CH

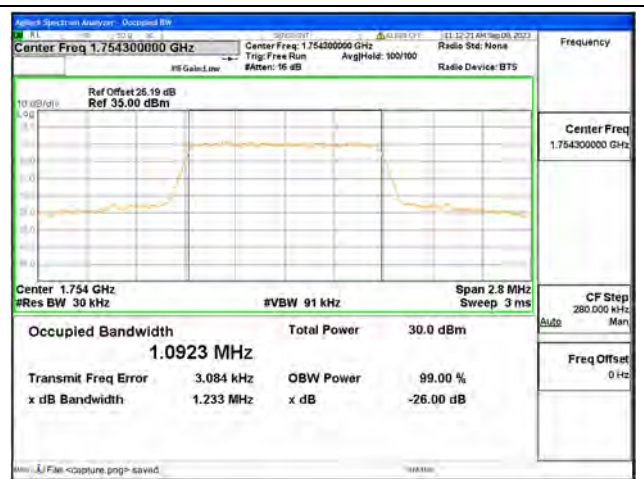


B4 / 1.4MHz / 64QAM/ Mid CH

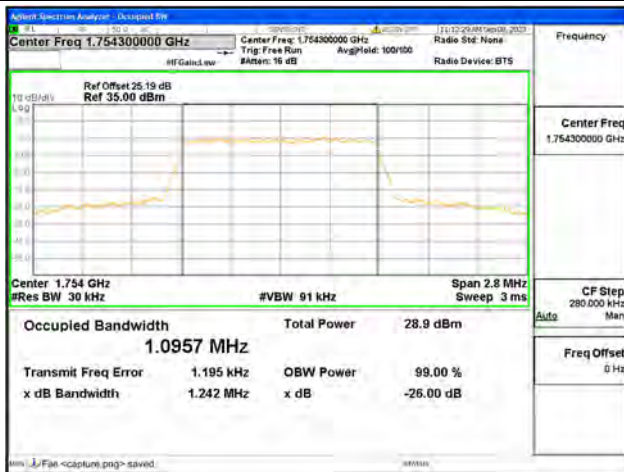




B4 / 1.4MHz / QPSK/ High CH



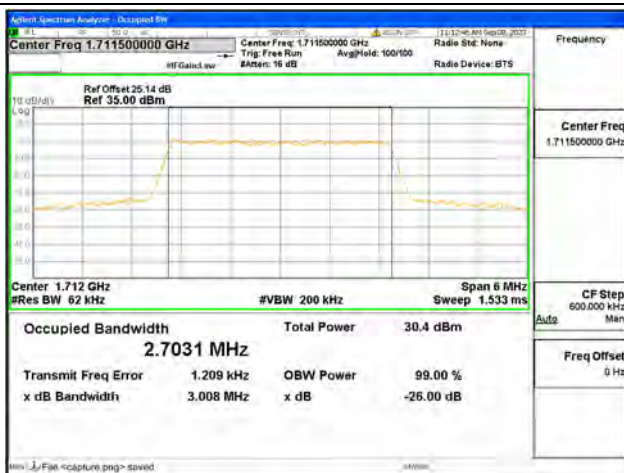
B4 / 1.4MHz / 16QAM/ High CH



B4 / 1.4MHz / 64QAM/ High CH



B4 / 3MHz / QPSK/ Low CH



B4 / 3MHz / 16QAM/ Low CH



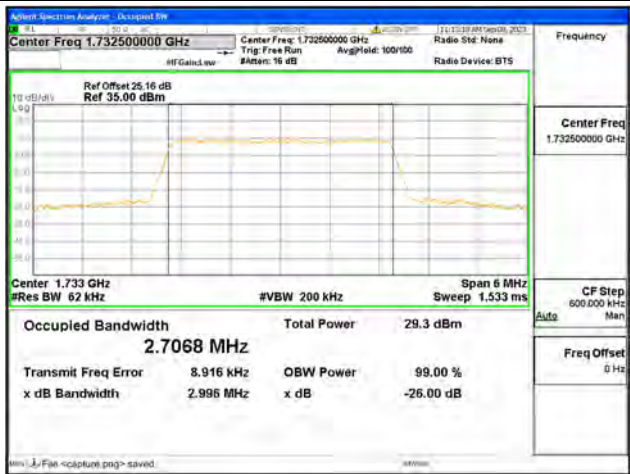
B4 / 3MHz / 64QAM/ Low CH



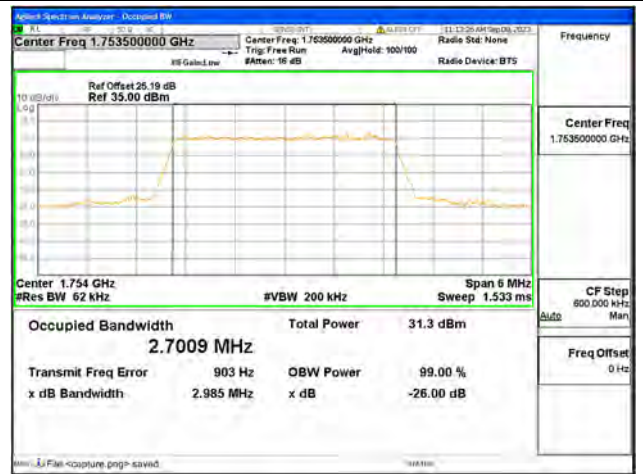
B4 / 3MHz / QPSK/ Mid CH



B4 / 3MHz / 16QAM/ Mid CH



B4 / 3MHz / 64QAM/ Mid CH



B4 / 3MHz / QPSK/ High CH



B4 / 3MHz / 16QAM/ High CH



B4 / 3MHz / 64QAM/ High CH



B4 / 5MHz / QPSK/ Low CH



B4 / 5MHz / 16QAM/ Low CH



B4 / 5MHz / 64QAM/ Low CH



B4 / 5MHz / QPSK/ Mid CH



B4 / 5MHz / 16QAM/ Mid CH



B4 / 5MHz / 64QAM/ Mid CH



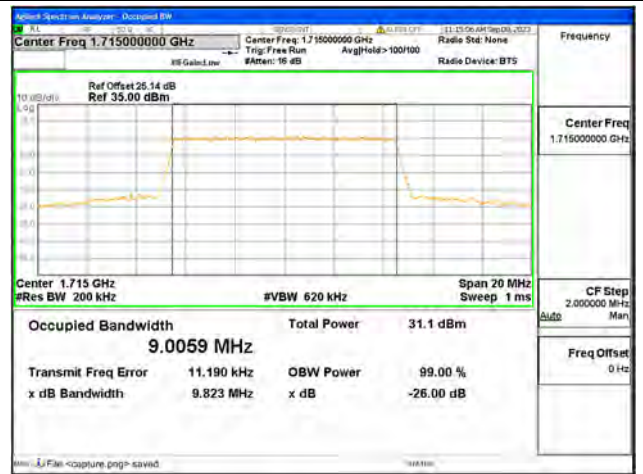
B4 / 5MHz / QPSK/ High CH



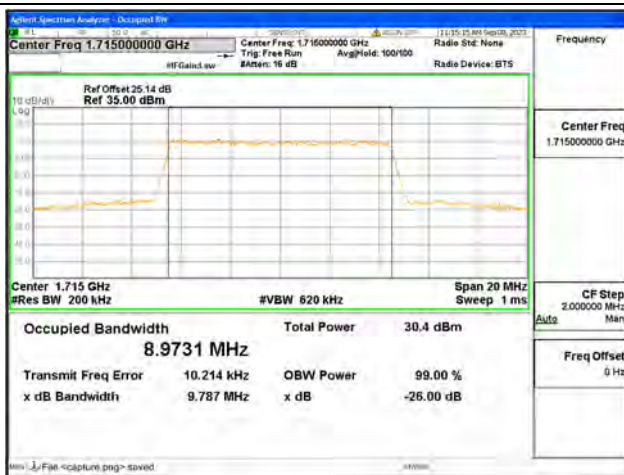
B4 / 5MHz / 16QAM/ High CH



B4 / 5MHz / 64QAM/ High CH



B4 / 10MHz / QPSK/ Low CH



B4 / 10MHz / 16QAM/ Low CH



B4 / 10MHz / 64QAM/ Low CH



B4 / 10MHz / QPSK/ Mid CH



B4 / 10MHz / 16QAM/ Mid CH



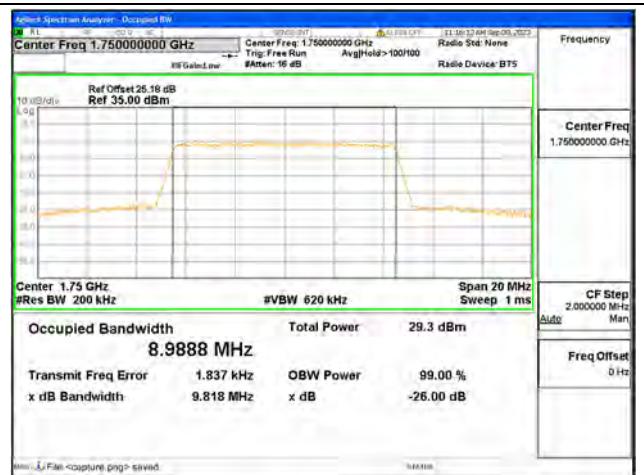
B4 / 10MHz / 64QAM/ Mid CH



B4 / 10MHz / QPSK/ High CH



B4 / 10MHz / 16QAM/ High CH



B4 / 10MHz / 64QAM/ High CH



B4 / 15MHz / QPSK/ Low CH



B4 / 15MHz / 16QAM/ Low CH



B4 / 15MHz / 64QAM/ Low CH



B4 / 15MHz / QPSK/ Mid CH



B4 / 15MHz / 16QAM/ Mid CH



B4 / 15MHz / 64QAM/ Mid CH



B4 / 15MHz / QPSK/ High CH



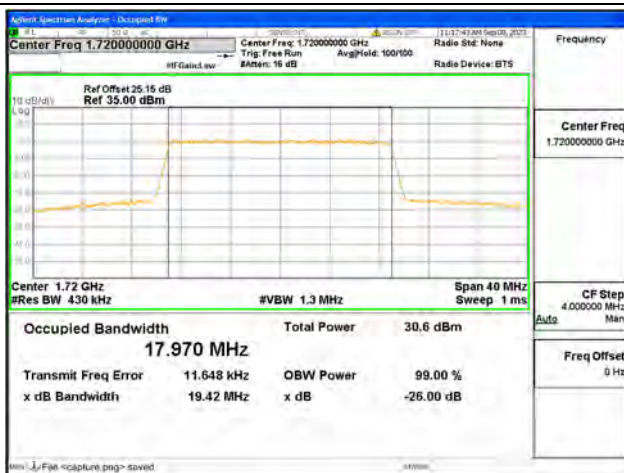
B4 / 15MHz / 16QAM/ High CH



B4 / 15MHz / 64QAM/ High CH



B4 / 20MHz / QPSK/ Low CH



B4 / 20MHz / 16QAM/ Low CH



B4 / 20MHz / 64QAM/ Low CH



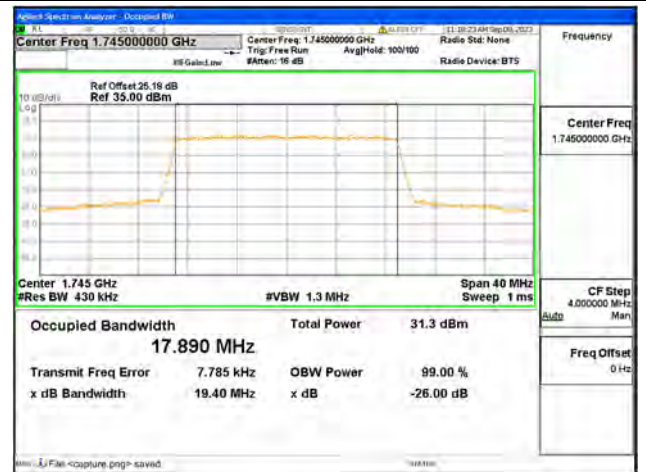
B4 / 20MHz / QPSK/ Mid CH



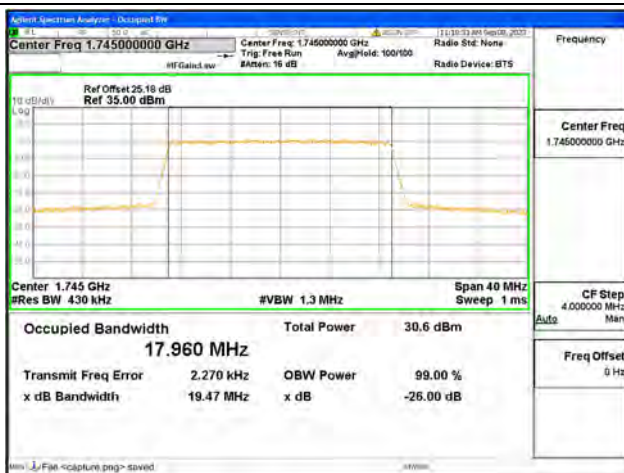
B4 / 20MHz / 16QAM/ Mid CH



B4 / 20MHz / 64QAM/ Mid CH



B4 / 20MHz / QPSK/ High CH



B4 / 20MHz / 16QAM/ High CH

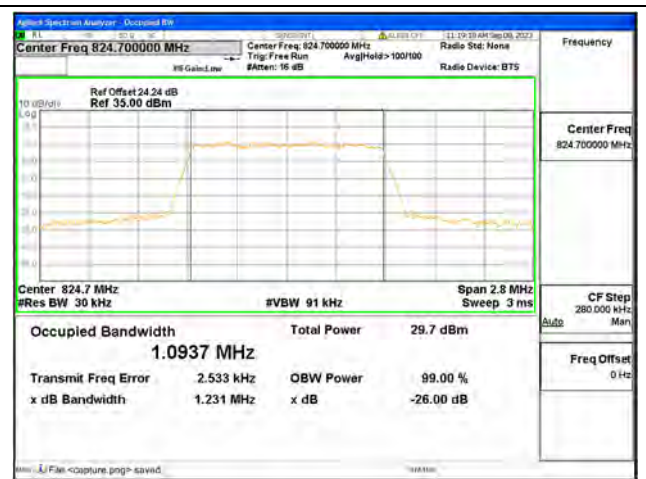


B4 / 20MHz / 64QAM/ High CH





B5 / 1.4MHz / QPSK/ Low CH



B5 / 1.4MHz / 16QAM/ Low CH



B5 / 1.4MHz / 64QAM/ Low CH



B5 / 1.4MHz / QPSK/ Mid CH



B5 / 1.4MHz / 16QAM/ Mid CH



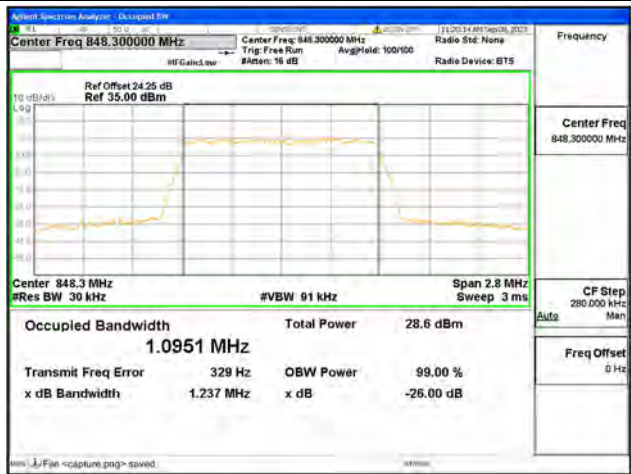
B5 / 1.4MHz / 64QAM/ Mid CH



B5 / 1.4MHz / QPSK/ High CH



B5 / 1.4MHz / 16QAM/ High CH



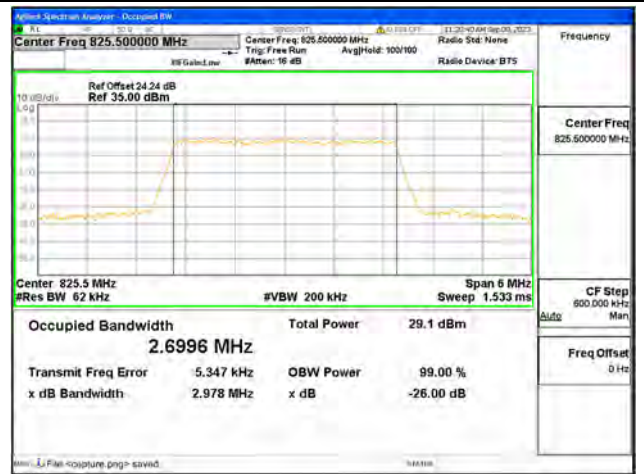
B5 / 1.4MHz / 64QAM/ High CH



B5 / 3MHz / QPSK/ Low CH



B5 / 3MHz / 16QAM/ Low CH



B5 / 3MHz / 64QAM/ Low CH



B5 / 3MHz / QPSK / Mid CH



B5 / 3MHz / 16QAM / Mid CH



B5 / 3MHz / 64QAM / Mid CH



B5 / 3MHz / QPSK / High CH



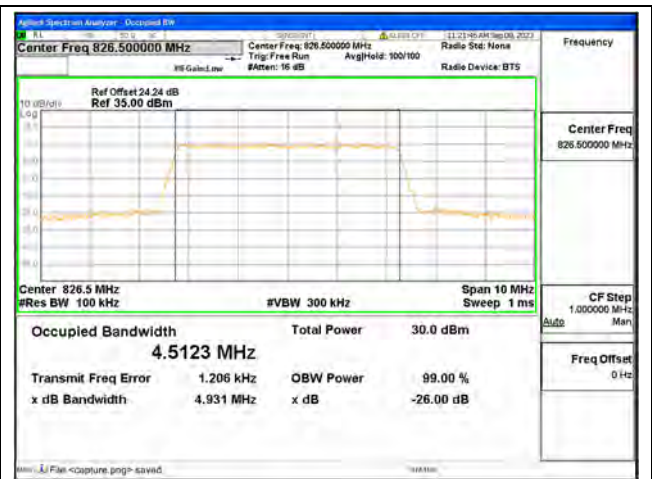
B5 / 3MHz / 16QAM / High CH



B5 / 3MHz / 64QAM / High CH



B5 / 5MHz / QPSK/ Low CH



B5 / 5MHz / 16QAM/ Low CH



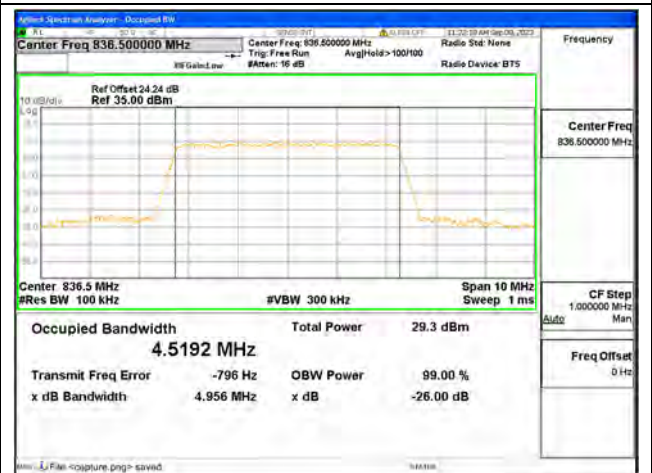
B5 / 5MHz / 64QAM/ Low CH



B5 / 5MHz / QPSK/ Mid CH



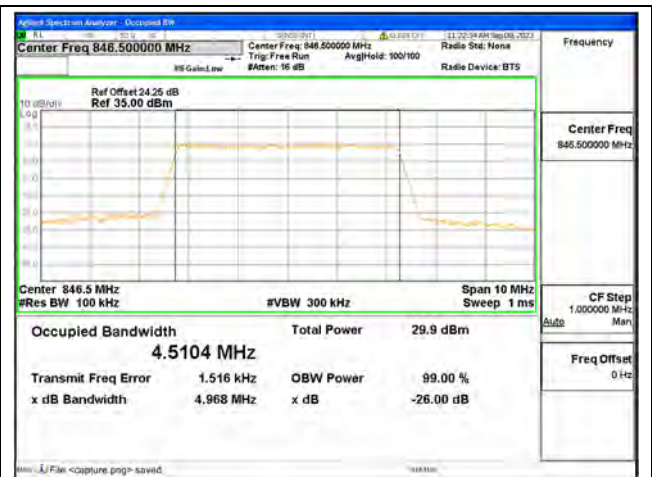
B5 / 5MHz / 16QAM/ Mid CH



B5 / 5MHz / 64QAM/ Mid CH



B5 / 5MHz / QPSK/ High CH



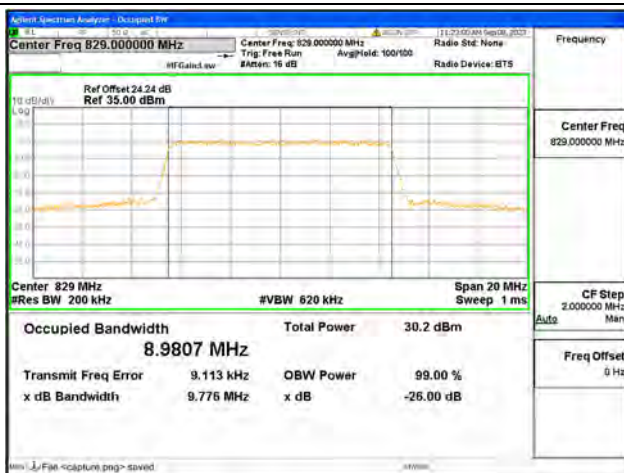
B5 / 5MHz / 16QAM/ High CH



B5 / 5MHz / 64QAM/ High CH



B5 / 10MHz / QPSK/ Low CH



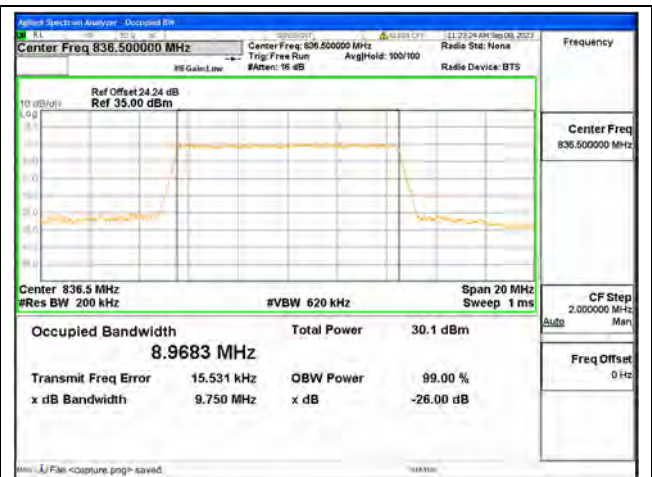
B5 / 10MHz / 16QAM/ Low CH



B5 / 10MHz / 64QAM/ Low CH



B5 / 10MHz / QPSK/ Mid CH



B5 / 10MHz / 16QAM/ Mid CH



B5 / 10MHz / 64QAM/ Mid CH



B5 / 10MHz / QPSK/ High CH



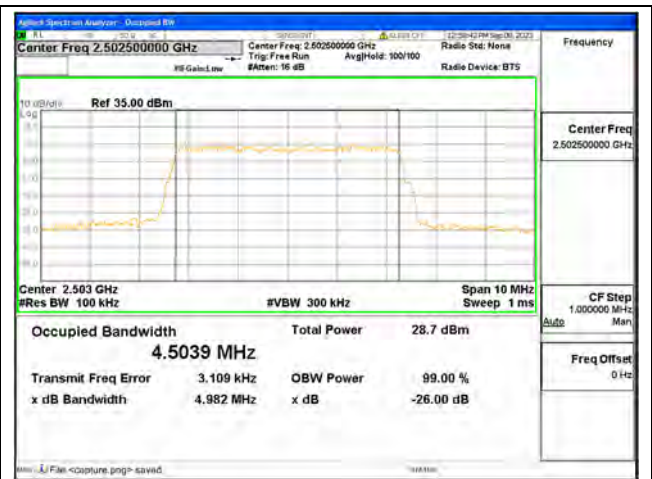
B5 / 10MHz / 16QAM/ High CH



B5 / 10MHz / 64QAM/ High CH



B7 / 5MHz / QPSK/ Low CH



B7 / 5MHz / 16QAM/ Low CH



B7 / 5MHz / 64QAM/ Low CH



B7 / 5MHz / QPSK/ Mid CH



B7 / 5MHz / 16QAM/ Mid CH



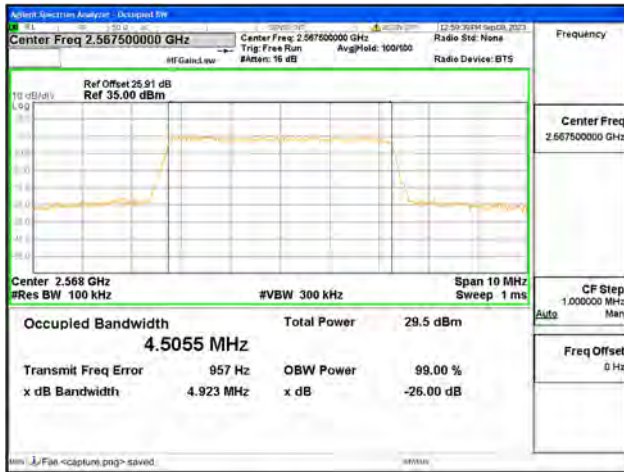
B7 / 5MHz / 64QAM/ Mid CH



B7 / 5MHz / QPSK/ High CH



B7 / 5MHz / 16QAM/ High CH



B7 / 5MHz / 64QAM/ High CH



B7 / 10MHz / QPSK/ Low CH



B7 / 10MHz / 16QAM/ Low CH

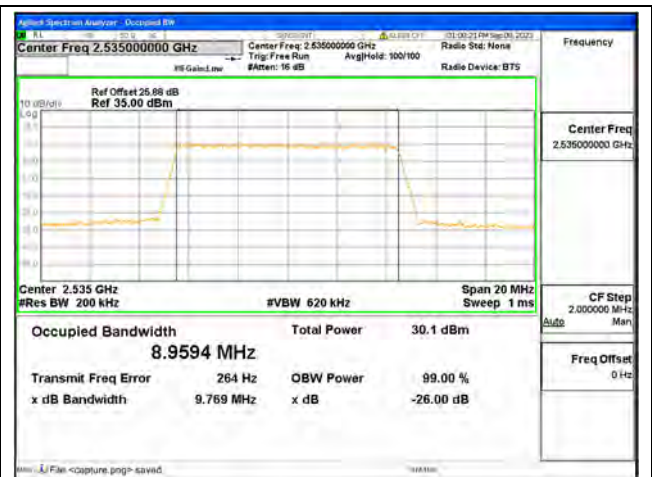


B7 / 10MHz / 64QAM/ Low CH





B7 / 10MHz / QPSK/ Mid CH



B7 / 10MHz / 16QAM/ Mid CH



B7 / 10MHz / 64QAM/ Mid CH



B7 / 10MHz / QPSK/ High CH



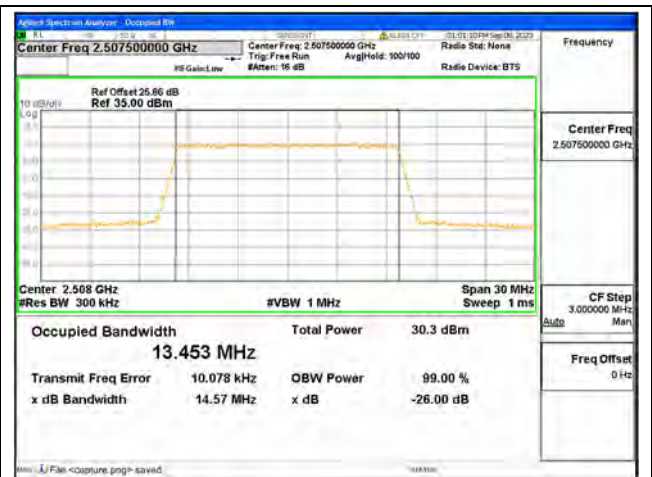
B7 / 10MHz / 16QAM/ High CH



B7 / 10MHz / 64QAM/ High CH



B7 / 15MHz / QPSK/ Low CH



B7 / 15MHz / 16QAM/ Low CH



B7 / 15MHz / 64QAM/ Low CH



B7 / 15MHz / QPSK/ Mid CH



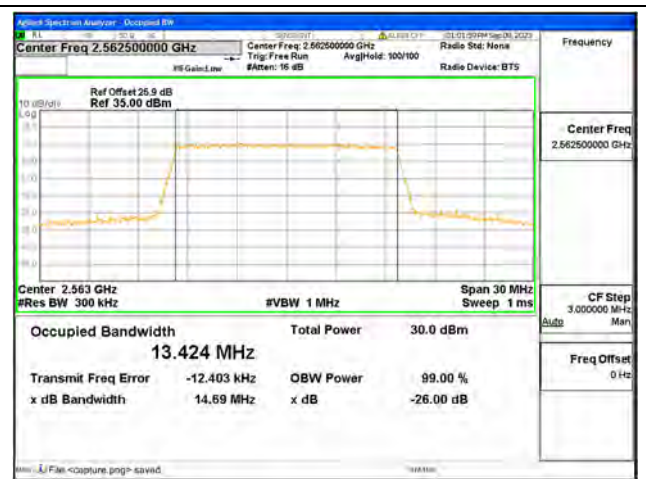
B7 / 15MHz / 16QAM/ Mid CH



B7 / 15MHz / 64QAM/ Mid CH



B7 / 15MHz / QPSK/ High CH



B7 / 15MHz / 16QAM/ High CH



B7 / 15MHz / 64QAM/ High CH



B7 / 20MHz / QPSK/ Low CH



B7 / 20MHz / 16QAM/ Low CH



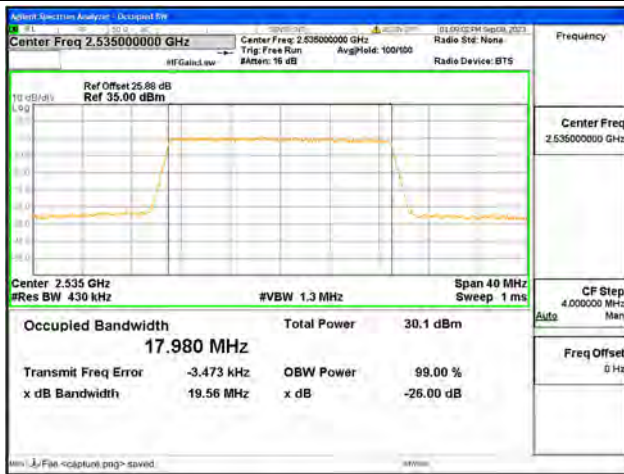
B7 / 20MHz / 64QAM/ Low CH



B7 / 20MHz / QPSK/ Mid CH



B7 / 20MHz / 16QAM/ Mid CH



B7 / 20MHz / 64QAM/ Mid CH



B7 / 20MHz / QPSK/ High CH



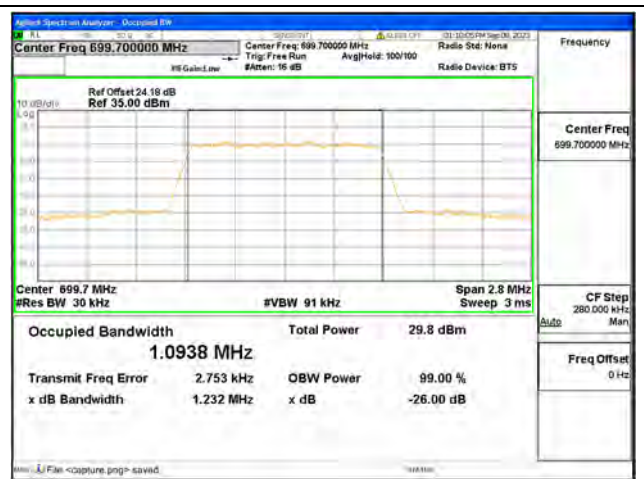
B7 / 20MHz / 16QAM/ High CH



B7 / 20MHz / 64QAM/ High CH



B12 / 1.4MHz / QPSK/ Low CH



B12 / 1.4MHz / 16QAM/ Low CH



B12 / 1.4MHz / 64QAM/ Low CH



B12 / 1.4MHz / QPSK/ Mid CH



B12 / 1.4MHz / 16QAM/ Mid CH



B12 / 1.4MHz / 64QAM/ Mid CH



B12 / 1.4MHz / QPSK/ High CH



B12 / 1.4MHz / 16QAM/ High CH



B12 / 1.4MHz / 64QAM/ High CH



B12 / 3MHz / QPSK/ Low CH



B12 / 3MHz / 16QAM/ Low CH



B12 / 3MHz / 64QAM/ Low CH



B12 / 3MHz / QPSK/ Mid CH



B12 / 3MHz / 16QAM/ Mid CH



B12 / 3MHz / 64QAM/ Mid CH



B12 / 3MHz / QPSK/ High CH



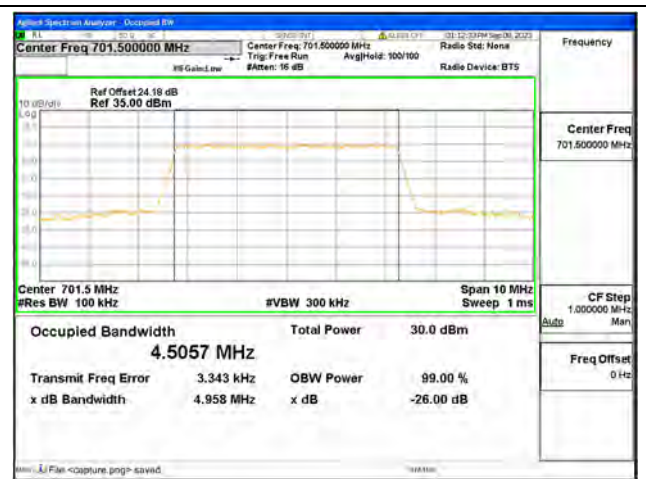
B12 / 3MHz / 16QAM/ High CH



B12 / 3MHz / 64QAM/ High CH



B12 / 5MHz / QPSK / Low CH



B12 / 5MHz / 16QAM / Low CH



B12 / 5MHz / 64QAM / Low CH



B12 / 5MHz / QPSK / Mid CH



B12 / 5MHz / 16QAM / Mid CH

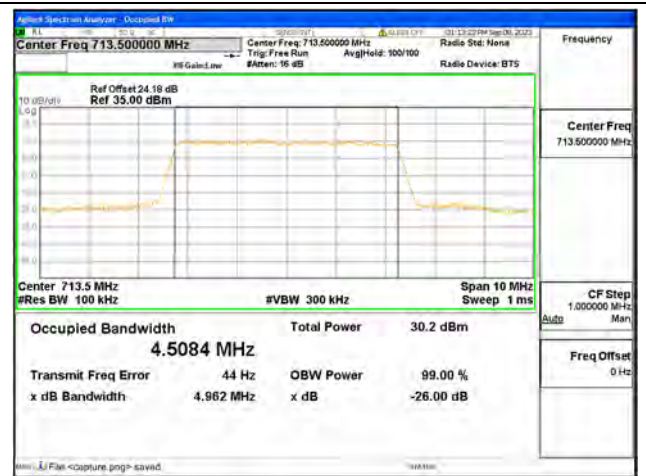


B12 / 5MHz / 64QAM / Mid CH





B12 / 5MHz / QPSK/ High CH



B12 / 5MHz / 16QAM/ High CH



B12 / 5MHz / 64QAM/ High CH



B12 / 10MHz / QPSK/ Low CH



B12 / 10MHz / 16QAM/ Low CH



B12 / 10MHz / 64QAM/ Low CH



B12 / 10MHz / QPSK / Mid CH



B12 / 10MHz / 16QAM / Mid CH



B12 / 10MHz / 64QAM / Mid CH



B12 / 10MHz / QPSK / High CH



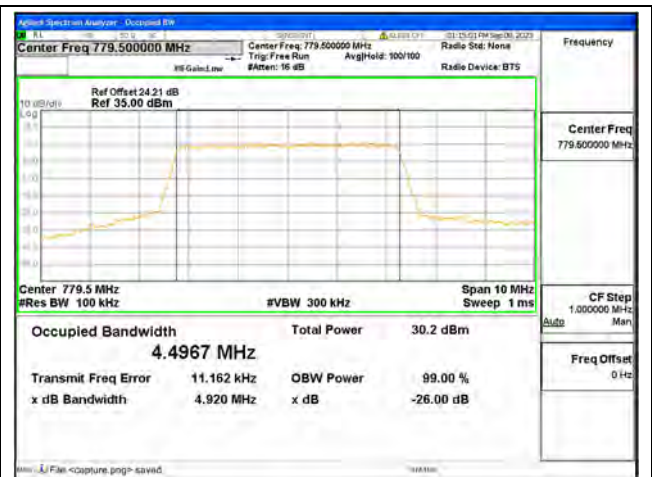
B12 / 10MHz / 16QAM / High CH



B12 / 10MHz / 64QAM / High CH



B13 / 5MHz / QPSK / Low CH



B13 / 5MHz / 16QAM / Low CH



B13 / 5MHz / 64QAM / Low CH



B13 / 5MHz / QPSK / Mid CH



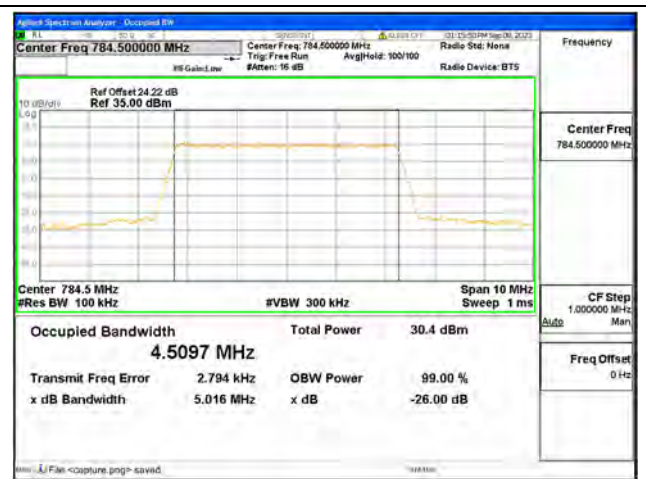
B13 / 5MHz / 16QAM / Mid CH



B13 / 5MHz / 64QAM / Mid CH



B13 / 5MHz / QPSK/ High CH



B13 / 5MHz / 16QAM/ High CH



B13 / 5MHz / 64QAM/ High CH



B13 / 10MHz / QPSK/ Mid CH



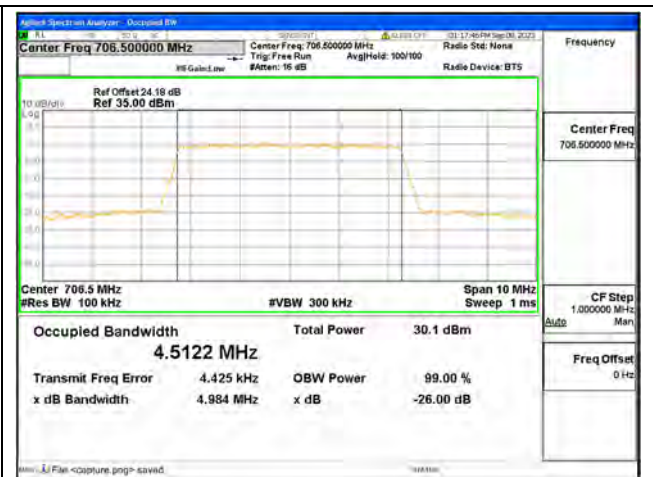
B13 / 10MHz / 16QAM/ Mid CH



B13 / 10MHz / 64QAM/ Mid CH



B17 / 5MHz / QPSK/ Low CH



B17 / 5MHz / 16QAM/ Low CH



B17 / 5MHz / 64QAM/ Low CH



B17 / 5MHz / QPSK/ Mid CH



B17 / 5MHz / 16QAM/ Mid CH



B17 / 5MHz / 64QAM/ Mid CH



B17 / 5MHz / QPSK/ High CH



B17 / 5MHz / 16QAM/ High CH



B17 / 5MHz / 64QAM/ High CH



B17 / 10MHz / QPSK/ Low CH



B17 / 10MHz / 16QAM/ Low CH



B17 / 10MHz / 64QAM/ Low CH



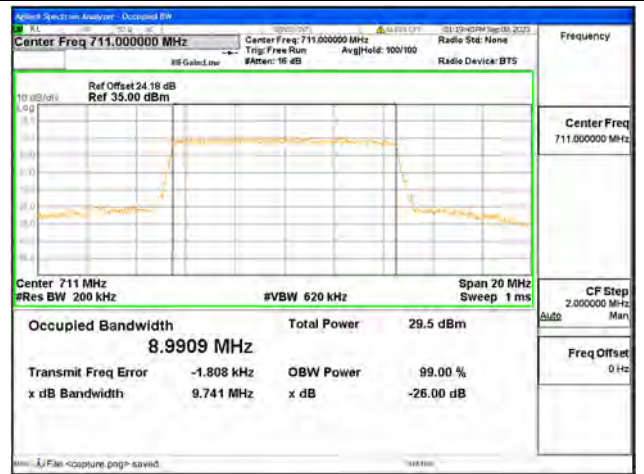
B17 / 10MHz / QPSK/ Mid CH



B17 / 10MHz / 16QAM/ Mid CH



B17 / 10MHz / 64QAM/ Mid CH



B17 / 10MHz / QPSK/ High CH



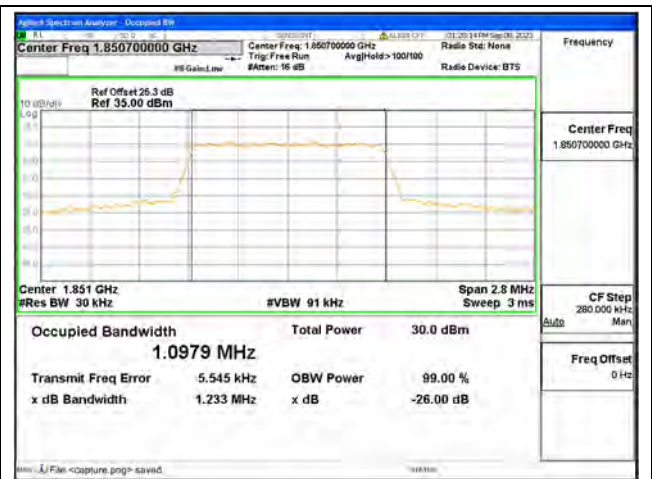
B17 / 10MHz / 16QAM/ High CH



B17 / 10MHz / 64QAM/ High CH



B25 / 1.4MHz / QPSK/ Low CH



B25 / 1.4MHz / 16QAM/ Low CH



B25 / 1.4MHz / 64QAM/ Low CH



B25 / 1.4MHz / QPSK/ Mid CH



B25 / 1.4MHz / 16QAM/ Mid CH



B25 / 1.4MHz / 64QAM/ Mid CH





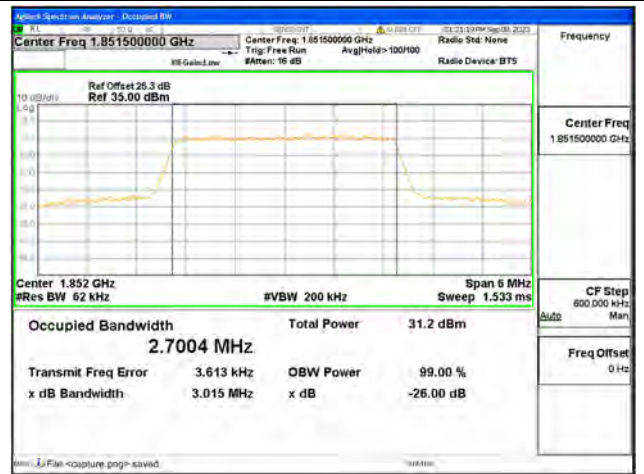
B25 / 1.4MHz / QPSK/ High CH



B25 / 1.4MHz / 16QAM/ High CH



B25 / 1.4MHz / 64QAM/ High CH



B25 / 3MHz / QPSK/ Low CH



B25 / 3MHz / 16QAM/ Low CH



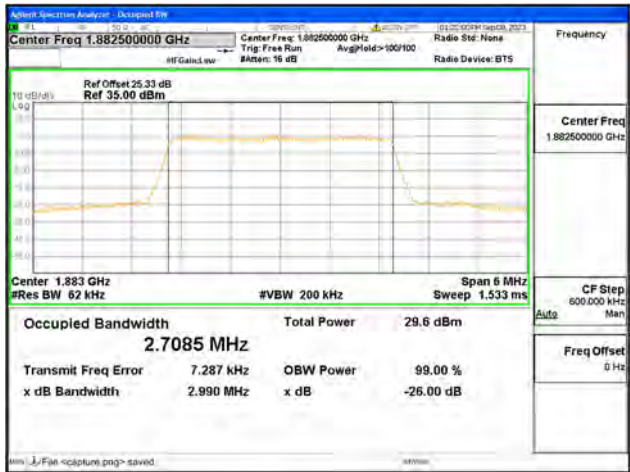
B25 / 3MHz / 64QAM/ Low CH



B25 / 3MHz / QPSK/ Mid CH



B25 / 3MHz / 16QAM/ Mid CH



B25 / 3MHz / 64QAM/ Mid CH



B25 / 3MHz / QPSK/ High CH



B25 / 3MHz / 16QAM/ High CH



B25 / 3MHz / 64QAM/ High CH



B25 / 5MHz / QPSK/ Low CH



B25 / 5MHz / 16QAM/ Low CH



B25 / 5MHz / 64QAM/ Low CH



B25 / 5MHz / QPSK/ Mid CH



B25 / 5MHz / 16QAM/ Mid CH



B25 / 5MHz / 64QAM/ Mid CH



B25 / 5MHz / QPSK/ High CH



B25 / 5MHz / 16QAM/ High CH



B25 / 5MHz / 64QAM/ High CH



B25 / 10MHz / QPSK/ Low CH



B25 / 10MHz / 16QAM/ Low CH



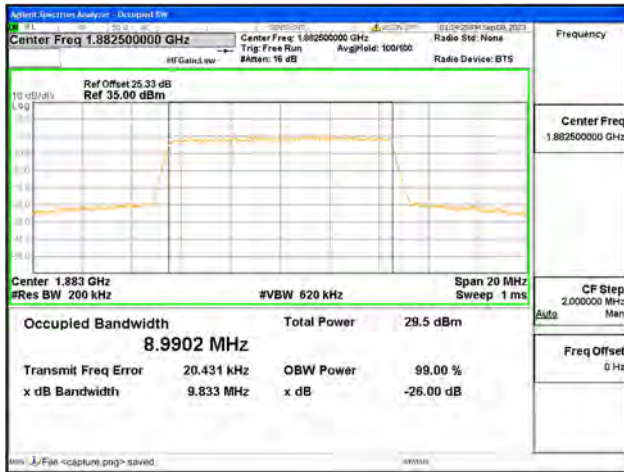
B25 / 10MHz / 64QAM/ Low CH



B25 / 10MHz / QPSK/ Mid CH



B25 / 10MHz / 16QAM/ Mid CH



B25 / 10MHz / 64QAM/ Mid CH



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B25 / 10MHz / 16QAM/ High CH



B25 / 10MHz / 64QAM/ High CH



B25 / 15MHz / QPSK/ Low CH



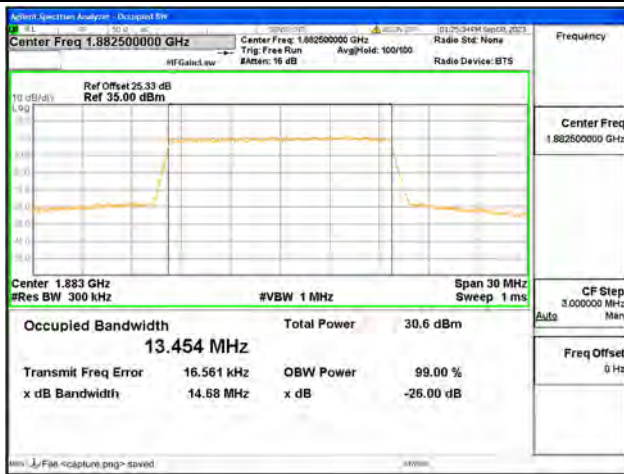
B25 / 15MHz / 16QAM/ Low CH



B25 / 15MHz / 64QAM/ Low CH



B25 / 15MHz / QPSK/ Mid CH



B25 / 15MHz / 16QAM/ Mid CH



B25 / 15MHz / 64QAM/ Mid CH



B25 / 15MHz / QPSK/ High CH



B25 / 15MHz / 16QAM/ High CH



B25 / 15MHz / 64QAM/ High CH



B25 / 20MHz / QPSK/ Low CH



B25 / 20MHz / 16QAM/ Low CH



B25 / 20MHz / 64QAM/ Low CH

