



TEST REPORT

APPLICANT : Shenzhen Chainway Information
Technology Co., Ltd

PRODUCT NAME : Mobile Data Terminal

MODEL NAME : MC95

BRAND NAME : CHAINWAY

FCC ID : 2AC6AMC95

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

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Edited by:

Zeng Xiaoying
Zeng Xiaoying (Rapporteur)

Approved by:

Shen Junsheng
Shen Junsheng (Supervisor)

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DIRECTORY

- 1. Technical Information 3**
- 1.1. Applicant and Manufacturer Information 3**
- 1.2. Equipment Under Test (EUT) Description 3**
- 1.3. Maximum E.R.P./E.I.R.P. and Emission Designator 6**
- 1.4. Test Standards and Results 8**
- 1.5. Environmental Conditions 9**
- 2. 47 CFR Part 2, Part 22H, Part 24E, Part 27 D&H&L&M Requirements 10**
- 2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P. 10**
- 2.2. Occupied Bandwidth 88**
- 2.3. Frequency Stability 155**
- 2.4. Peak to Average Ratio 161**
- 2.5. Conducted Spurious Emissions 184**
- 2.6. Band Edge 263**
- 2.7. Radiated Spurious Emissions 304**
- Annex A Test Uncertainty 337**
- Annex B Testing Laboratory Information 338**

Change History		
Version	Date	Reason for change
1.0	2023-04-13	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Shenzhen Chainway Information Technology Co., Ltd
Applicant Address:	9F Building 2, Daqian Industrial Park, District 67, XingDong Community, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China
Manufacturer:	Shenzhen Chainway Information Technology Co., Ltd
Manufacturer Address:	9F Building 2, Daqian Industrial Park, District 67, XingDong Community, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China

1.2. Equipment Under Test (EUT) Description

Product Name:	Mobile Data Terminal	
Sample No.:	18#	
Hardware Version:	D280_MB_V3.0	
Software Version:	MC95.AD12.GL.GIT543a7cde31b.20221220.V1.02	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	41A-41A, 41A-41A-41A (Downlink only)	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 17 / 38 / 40 / 41	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz



Frequency Range:	LTE Band 38	Tx: 2570MHz–2620MHz
		Rx: 2570MHz–2620MHz
	LTE Band 40 Block A	Tx: 2305MHz–2315MHz
		Rx: 2305MHz–2315MHz
	LTE Band 40 Block B	Tx: 2350MHz–2360MHz
Rx: 2350MHz–2360MHz		
LTE Band 41	Tx: 2496MHz –2690MHz	
	Rx: 2496MHz –2690MHz	
Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 38	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 40	5 MHz, 10MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	Fixed Internal Antenna	
Frequency Range:	LTE Band 2	0.5dBi
	LTE Band 4	0.5dBi
	LTE Band 5	-0.6dBi
	LTE Band 7	0.6dBi
	LTE Band 12	-0.8dBi
	LTE Band 17	-0.8dBi
	LTE Band 38	0.6dBi
	LTE Band 40	0.6dBi
	LTE Band 41	0.6dBi
Accessory Information:	Battery	
	Brand Name:	N/A
	Model No.:	MC95
	Serial No.:	N/A
	Capacity:	5000mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.4V
	Manufacturer:	DongGuan Hongde Battery Co., Ltd

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



REPORT No.: SZ22110259W07

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

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

LTE Band 2	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.233	0.188	0.151	18M0G7D	18M1W7D	18M1W7D
15	0.232	0.188	0.148	13M5G7D	13M5W7D	13M5W7D
10	0.232	0.185	0.150	9M01G7D	8M99W7D	9M01W7D
5	0.231	0.192	0.151	4M50G7D	4M51W7D	4M51W7D
3	0.232	0.188	0.149	2M69G7D	2M69W7D	2M70W7D
1.4	0.231	0.188	0.153	1M09G7D	1M10W7D	1M10W7D
LTE Band 4	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.240	0.195	0.154	18M0G7D	18M1W7D	18M0W7D
15	0.238	0.192	0.152	13M5G7D	13M5W7D	13M5W7D
10	0.239	0.198	0.152	9M01G7D	8M99W7D	8M99W7D
5	0.238	0.199	0.156	4M50G7D	4M50W7D	4M51W7D
3	0.237	0.192	0.151	2M69G7D	2M70W7D	2M70W7D
1.4	0.238	0.195	0.156	1M09G7D	1M10W7D	1M10W7D
LTE Band 5	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.111	0.091	0.072	9M01G7D	8M99W7D	9M00W7D
5	0.110	0.091	0.073	4M49G7D	4M51W7D	4M51W7D
3	0.110	0.090	0.072	2M69G7D	2M69W7D	2M70W7D
1.4	0.110	0.091	0.074	1M10G7D	1M10W7D	1M10W7D
LTE Band 7	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.216	0.177	0.141	18M0G7D	18M0W7D	18M0W7D
15	0.213	0.177	0.142	13M5G7D	13M5W7D	13M5W7D
10	0.214	0.173	0.144	9M00G7D	8M99W7D	9M00W7D
5	0.214	0.177	0.142	4M50G7D	4M50W7D	4M51W7D
LTE Band 12	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.118	0.098	0.079	9M03G7D	8M99W7D	9M02W7D
5	0.118	0.097	0.077	4M52G7D	4M52W7D	4M53W7D
3	0.117	0.096	0.078	2M69G7D	2M69W7D	2M70W7D
1.4	0.117	0.097	0.078	1M10G7D	1M10W7D	1M10W7D



LTE Band 17	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.119	0.098	0.078	9M03G7D	8M99W7D	9M02W7D
5	0.118	0.098	0.079	4M52G7D	4M52W7D	4M53W7D
LTE Band 38	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.219	0.177	0.142	18M0G7D	18M0W7D	18M0W7D
15	0.217	0.177	0.142	13M5G7D	13M5W7D	13M5W7D
10	0.218	0.177	0.144	9M01G7D	8M99W7D	9M01W7D
5	0.218	0.176	0.142	4M51G7D	4M50W7D	4M50W7D
LTE Band 40 Block A	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.234	0.190	0.152	9M03G7D	9M00W7D	9M02W7D
5	0.233	0.200	0.158	4M51G7D	4M51W7D	4M50W7D
LTE Band 40 Block A	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.237	0.191	0.149	9M00G7D	8M97W7D	9M01W7D
5	0.236	0.197	0.156	4M54G7D	4M51W7D	4M51W7D
LTE Band 41	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.241	0.201	0.160	18M0G7D	18M0W7D	18M0W7D
15	0.240	0.196	0.158	13M5G7D	13M5W7D	13M4W7D
10	0.239	0.197	0.157	9M00G7D	8M98W7D	8M98W7D
5	0.238	0.199	0.159	4M50G7D	4M50W7D	4M48W7D



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(a)(3) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Apr. 04, 2023	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Feb. 20, 2023	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Feb. 20, 2023	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Feb. 20, 2023	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Feb. 20, 2023	Li Huaijie	PASS	No deviation
2.1051 22.917(a)	Band Edge	Feb. 20, 2023	Li Huaijie	PASS	No deviation



24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)					
2.1053 22.917(a) 24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Feb. 09, 2023	Li Hanbin	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&H&L&M Requirements

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

2.1.1. Requirement

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

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

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

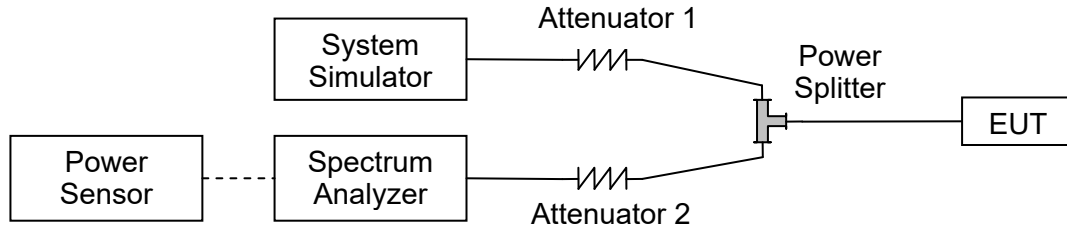
According to FCC section 22.913 (a)(2) for LTE Band 5, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

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

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

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

2.1.2. Test Description



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

2.1.3. Test Procedure

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

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

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



2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.13	23.18	23.12
20	QPSK	1	49	22.95	23.05	22.98
20	QPSK	1	99	23.13	22.94	23.03
20	QPSK	50	0	22.18	22.20	22.13
20	QPSK	50	24	22.03	22.16	22.03
20	QPSK	50	50	22.12	22.11	22.15
20	QPSK	100	0	22.07	22.08	22.09
20	16QAM	1	0	22.09	22.25	21.98
20	16QAM	1	49	22.09	22.24	22.09
20	16QAM	1	99	22.02	22.07	22.06
20	16QAM	50	0	21.13	21.25	21.18
20	16QAM	50	24	21.11	21.06	21.05
20	16QAM	50	50	21.06	21.05	21.08
20	16QAM	100	0	21.06	21.08	21.10
20	64QAM	1	0	21.09	21.30	21.17
20	64QAM	1	49	21.12	21.19	20.99
20	64QAM	1	99	21.02	21.03	21.06
20	64QAM	50	0	20.22	20.27	20.18
20	64QAM	50	24	20.09	20.16	20.06
20	64QAM	50	50	20.13	20.08	20.10
20	64QAM	100	0	20.12	20.15	20.11



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.99	23.15	23.11
15	QPSK	1	37	22.98	23.11	23.05
15	QPSK	1	74	23.07	23.08	23.09
15	QPSK	36	0	22.08	22.35	22.32
15	QPSK	36	20	22.18	22.10	22.07
15	QPSK	36	39	22.25	22.33	22.03
15	QPSK	75	0	22.08	22.06	22.11
15	16QAM	1	0	22.21	22.25	22.06
15	16QAM	1	37	22.08	22.06	22.07
15	16QAM	1	74	22.05	21.98	21.92
15	16QAM	36	0	21.30	21.32	21.28
15	16QAM	36	20	21.18	21.17	21.18
15	16QAM	36	39	21.28	21.30	21.31
15	16QAM	75	0	21.03	21.27	21.03
15	64QAM	1	0	21.09	21.21	21.05
15	64QAM	1	37	21.12	21.05	21.04
15	64QAM	1	74	21.01	21.07	21.15
15	64QAM	36	0	20.29	20.30	20.28
15	64QAM	36	20	20.17	20.34	20.26
15	64QAM	36	39	20.24	20.28	20.11
15	64QAM	75	0	20.31	20.12	20.29



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.98	23.16	22.98
10	QPSK	1	25	23.10	23.00	23.03
10	QPSK	1	49	23.05	23.12	23.01
10	QPSK	25	0	22.31	22.24	22.13
10	QPSK	25	12	22.14	22.11	22.21
10	QPSK	25	25	22.01	22.19	22.19
10	QPSK	50	0	22.23	22.27	22.31
10	16QAM	1	0	21.97	22.18	21.98
10	16QAM	1	25	21.98	21.99	22.01
10	16QAM	1	49	22.06	22.15	22.03
10	16QAM	25	0	21.35	21.28	21.36
10	16QAM	25	12	21.31	21.14	21.15
10	16QAM	25	25	21.15	21.21	21.16
10	16QAM	50	0	21.22	20.96	21.00
10	64QAM	1	0	21.22	21.24	21.21
10	64QAM	1	25	21.04	21.15	20.97
10	64QAM	1	49	21.01	21.20	21.26
10	64QAM	25	0	20.28	20.36	20.37
10	64QAM	25	12	20.31	20.31	20.14
10	64QAM	25	25	20.14	20.29	20.16
10	64QAM	50	0	20.28	20.14	20.23



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	23.04	23.13	23.08
5	QPSK	1	12	23.06	23.07	23.01
5	QPSK	1	24	23.04	23.10	23.09
5	QPSK	12	0	22.32	22.29	22.35
5	QPSK	12	7	22.19	22.35	22.03
5	QPSK	12	13	22.13	22.32	22.34
5	QPSK	25	0	22.05	21.95	22.29
5	16QAM	1	0	22.26	22.29	22.12
5	16QAM	1	12	22.23	22.20	22.33
5	16QAM	1	24	21.94	21.94	21.99
5	16QAM	12	0	21.24	21.27	21.14
5	16QAM	12	7	21.05	21.31	21.11
5	16QAM	12	13	21.26	21.30	21.28
5	16QAM	25	0	21.31	21.11	21.20
5	64QAM	1	0	21.24	21.29	21.09
5	64QAM	1	12	21.27	21.12	20.95
5	64QAM	1	24	21.07	21.19	21.23
5	64QAM	12	0	20.17	20.33	20.33
5	64QAM	12	7	20.01	20.02	20.08
5	64QAM	12	13	20.14	20.30	20.20
5	64QAM	25	0	20.26	20.28	20.17



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	23.12	23.15	23.04
3	QPSK	1	8	23.05	23.09	23.14
3	QPSK	1	14	23.14	22.91	23.00
3	QPSK	8	0	22.31	22.08	22.29
3	QPSK	8	4	22.26	22.07	22.10
3	QPSK	8	7	22.04	22.35	22.22
3	QPSK	15	0	22.05	22.14	22.24
3	16QAM	1	0	22.15	22.25	22.11
3	16QAM	1	8	22.20	22.15	22.24
3	16QAM	1	14	22.11	22.18	21.98
3	16QAM	8	0	21.25	21.22	21.37
3	16QAM	8	4	21.07	21.02	21.21
3	16QAM	8	7	21.09	21.27	21.30
3	16QAM	15	0	21.30	21.24	21.10
3	64QAM	1	0	21.06	21.19	21.16
3	64QAM	1	8	21.06	21.08	21.09
3	64QAM	1	14	21.24	20.98	21.21
3	64QAM	8	0	20.11	20.26	20.15
3	64QAM	8	4	20.02	20.03	20.07
3	64QAM	8	7	20.30	20.33	20.17
3	64QAM	15	0	20.14	20.23	20.15



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	23.08	23.14	23.12
1.4	QPSK	1	3	23.00	23.06	23.08
1.4	QPSK	1	5	23.09	23.07	23.02
1.4	QPSK	3	0	22.71	22.49	22.42
1.4	QPSK	3	1	22.45	22.78	22.45
1.4	QPSK	3	3	22.48	22.59	22.47
1.4	QPSK	6	0	22.02	22.05	22.07
1.4	16QAM	1	0	22.24	22.20	22.15
1.4	16QAM	1	3	22.01	22.16	21.94
1.4	16QAM	1	5	22.12	21.96	22.25
1.4	16QAM	3	0	21.78	21.63	21.56
1.4	16QAM	3	1	21.63	21.53	21.58
1.4	16QAM	3	3	21.66	21.52	21.58
1.4	16QAM	6	0	21.20	21.23	21.00
1.4	64QAM	1	0	20.99	21.23	21.12
1.4	64QAM	1	3	21.28	21.35	21.13
1.4	64QAM	1	5	21.22	21.09	21.26
1.4	64QAM	3	0	20.82	20.79	20.58
1.4	64QAM	3	1	20.51	20.61	20.54
1.4	64QAM	3	3	20.62	20.61	20.72
1.4	64QAM	6	0	20.27	20.39	20.33



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	23.07	23.30	23.14
20	QPSK	1	49	23.10	23.09	23.19
20	QPSK	1	99	23.16	23.10	23.20
20	QPSK	50	0	22.26	22.33	22.16
20	QPSK	50	24	22.27	22.31	22.24
20	QPSK	50	50	22.10	22.19	22.13
20	QPSK	100	0	22.20	22.24	22.14
20	16QAM	1	0	22.39	22.41	22.31
20	16QAM	1	49	22.32	22.35	22.21
20	16QAM	1	99	22.05	22.23	22.26
20	16QAM	50	0	21.09	21.31	21.32
20	16QAM	50	24	21.35	21.23	21.32
20	16QAM	50	50	21.06	21.05	21.27
20	16QAM	100	0	21.27	21.16	21.10
20	64QAM	1	0	21.29	21.29	21.32
20	64QAM	1	49	21.37	21.25	21.23
20	64QAM	1	99	21.07	21.20	21.30
20	64QAM	50	0	20.16	20.18	20.22
20	64QAM	50	24	20.22	20.29	20.18
20	64QAM	50	50	20.22	20.15	20.37
20	64QAM	100	0	20.09	20.19	20.26



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	23.04	23.26	23.06
15	QPSK	1	37	23.11	23.17	23.16
15	QPSK	1	74	23.23	23.24	23.18
15	QPSK	36	0	22.31	22.27	22.29
15	QPSK	36	20	22.02	22.08	22.29
15	QPSK	36	39	22.10	22.13	22.18
15	QPSK	75	0	22.07	22.37	22.29
15	16QAM	1	0	22.34	22.34	22.17
15	16QAM	1	37	22.33	22.27	22.25
15	16QAM	1	74	22.18	22.08	22.19
15	16QAM	36	0	21.19	21.39	21.31
15	16QAM	36	20	21.31	21.41	21.25
15	16QAM	36	39	21.16	21.10	21.33
15	16QAM	75	0	21.18	21.11	21.15
15	64QAM	1	0	21.05	21.31	21.21
15	64QAM	1	37	21.24	21.19	21.31
15	64QAM	1	74	21.10	21.23	21.06
15	64QAM	36	0	20.37	20.41	20.23
15	64QAM	36	20	20.39	20.43	20.36
15	64QAM	36	39	20.23	20.21	20.14
15	64QAM	75	0	20.37	20.27	20.36



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	23.07	23.28	23.24
10	QPSK	1	25	23.05	23.08	23.21
10	QPSK	1	49	23.20	23.08	23.21
10	QPSK	25	0	22.41	22.35	22.08
10	QPSK	25	12	22.06	22.17	22.32
10	QPSK	25	25	22.27	22.39	22.56
10	QPSK	50	0	22.14	22.22	22.06
10	16QAM	1	0	22.30	22.26	22.46
10	16QAM	1	25	22.31	22.30	22.42
10	16QAM	1	49	22.16	22.33	22.28
10	16QAM	25	0	21.25	21.34	21.27
10	16QAM	25	12	21.26	21.39	21.25
10	16QAM	25	25	21.05	21.24	21.36
10	16QAM	50	0	21.11	21.06	21.31
10	64QAM	1	0	21.26	21.31	21.16
10	64QAM	1	25	21.33	21.31	21.25
10	64QAM	1	49	21.23	21.25	21.19
10	64QAM	25	0	20.26	20.21	20.21
10	64QAM	25	12	20.19	20.22	20.02
10	64QAM	25	25	20.24	20.39	20.34
10	64QAM	50	0	20.22	20.20	20.24



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	23.18	23.27	23.21
5	QPSK	1	12	23.15	23.19	23.15
5	QPSK	1	24	23.10	23.07	23.14
5	QPSK	12	0	22.36	22.28	22.29
5	QPSK	12	7	22.29	22.41	22.25
5	QPSK	12	13	22.12	22.29	22.18
5	QPSK	25	0	22.04	22.32	22.16
5	16QAM	1	0	22.20	22.39	22.38
5	16QAM	1	12	22.42	22.31	22.17
5	16QAM	1	24	22.30	22.25	22.48
5	16QAM	12	0	21.06	21.34	21.41
5	16QAM	12	7	21.08	21.22	21.10
5	16QAM	12	13	21.08	21.32	21.27
5	16QAM	25	0	21.19	21.06	21.32
5	64QAM	1	0	21.33	21.34	21.44
5	64QAM	1	12	21.17	21.29	21.18
5	64QAM	1	24	21.10	21.14	21.04
5	64QAM	12	0	20.12	20.16	20.40
5	64QAM	12	7	20.15	20.19	20.27
5	64QAM	12	13	20.13	20.22	20.10
5	64QAM	25	0	20.16	20.16	20.30



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	23.21	23.25	23.18
3	QPSK	1	8	23.05	23.09	23.17
3	QPSK	1	14	23.18	23.06	23.19
3	QPSK	8	0	22.22	22.34	22.18
3	QPSK	8	4	22.19	22.20	22.44
3	QPSK	8	7	22.37	22.13	22.41
3	QPSK	15	0	22.25	22.24	22.09
3	16QAM	1	0	22.16	22.32	22.21
3	16QAM	1	8	22.33	22.20	22.07
3	16QAM	1	14	22.14	22.31	22.18
3	16QAM	8	0	21.24	21.26	21.28
3	16QAM	8	4	21.23	21.26	21.25
3	16QAM	8	7	21.31	21.18	21.22
3	16QAM	15	0	21.23	21.05	21.29
3	64QAM	1	0	21.29	21.25	21.24
3	64QAM	1	8	21.27	21.28	21.18
3	64QAM	1	14	21.06	21.29	21.14
3	64QAM	8	0	20.43	20.45	20.37
3	64QAM	8	4	20.28	20.31	20.05
3	64QAM	8	7	20.29	20.25	20.16
3	64QAM	15	0	20.34	20.36	20.30



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	23.04	23.26	23.03
1.4	QPSK	1	3	23.06	23.08	23.14
1.4	QPSK	1	5	23.04	23.06	23.10
1.4	QPSK	3	0	22.23	22.16	22.08
1.4	QPSK	3	1	22.19	22.06	22.46
1.4	QPSK	3	3	22.17	22.16	22.18
1.4	QPSK	6	0	22.07	22.15	22.04
1.4	16QAM	1	0	22.33	22.39	22.20
1.4	16QAM	1	3	22.28	22.32	22.07
1.4	16QAM	1	5	22.17	22.10	22.35
1.4	16QAM	3	0	21.42	21.35	21.33
1.4	16QAM	3	1	21.41	21.39	21.29
1.4	16QAM	3	3	21.23	21.33	21.20
1.4	16QAM	6	0	21.14	21.22	21.20
1.4	64QAM	1	0	21.37	21.43	21.27
1.4	64QAM	1	3	21.33	21.35	21.37
1.4	64QAM	1	5	21.09	21.23	21.07
1.4	64QAM	3	0	20.34	20.34	20.22
1.4	64QAM	3	1	20.43	20.29	20.37
1.4	64QAM	3	3	20.26	20.33	20.38
1.4	64QAM	6	0	20.25	20.44	20.29



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	23.15	23.20	23.12
10	QPSK	1	25	23.09	23.17	23.10
10	QPSK	1	49	23.05	23.12	23.09
10	QPSK	25	0	22.32	22.33	22.25
10	QPSK	25	12	22.06	22.06	22.33
10	QPSK	25	25	22.33	22.11	22.36
10	QPSK	50	0	22.35	22.35	22.30
10	16QAM	1	0	22.34	22.36	22.25
10	16QAM	1	25	22.26	22.34	22.10
10	16QAM	1	49	22.24	22.09	22.19
10	16QAM	25	0	21.18	21.38	21.41
10	16QAM	25	12	21.31	21.32	21.15
10	16QAM	25	25	21.25	21.20	21.28
10	16QAM	50	0	21.15	21.03	21.12
10	64QAM	1	0	21.20	21.31	21.22
10	64QAM	1	25	21.15	21.32	21.19
10	64QAM	1	49	21.24	21.10	21.11
10	64QAM	25	0	20.25	20.23	20.27
10	64QAM	25	12	20.31	20.37	20.29
10	64QAM	25	25	20.18	20.47	20.26
10	64QAM	50	0	20.29	20.28	20.33



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	23.13	23.18	23.11
5	QPSK	1	12	23.09	23.09	23.13
5	QPSK	1	24	23.07	23.06	23.10
5	QPSK	12	0	22.39	22.32	22.11
5	QPSK	12	7	22.10	22.07	22.24
5	QPSK	12	13	22.20	22.16	22.35
5	QPSK	25	0	22.35	22.16	22.17
5	16QAM	1	0	22.22	22.34	22.27
5	16QAM	1	12	22.23	22.30	22.19
5	16QAM	1	24	22.16	22.11	22.16
5	16QAM	12	0	21.24	21.35	21.25
5	16QAM	12	7	21.20	21.27	21.23
5	16QAM	12	13	21.13	21.24	21.34
5	16QAM	25	0	21.12	21.23	21.23
5	64QAM	1	0	21.30	21.39	21.12
5	64QAM	1	12	21.38	21.21	21.20
5	64QAM	1	24	21.07	21.18	21.11
5	64QAM	12	0	20.12	20.27	20.14
5	64QAM	12	7	20.13	20.19	20.14
5	64QAM	12	13	20.23	20.20	20.29
5	64QAM	25	0	20.10	20.22	20.17



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	23.13	23.16	23.07
3	QPSK	1	8	23.14	23.06	23.10
3	QPSK	1	14	23.11	23.05	23.08
3	QPSK	8	0	22.20	22.33	22.23
3	QPSK	8	4	22.28	22.25	22.10
3	QPSK	8	7	22.28	22.22	22.18
3	QPSK	15	0	22.25	22.05	22.36
3	16QAM	1	0	22.27	22.31	22.22
3	16QAM	1	8	22.30	22.28	22.17
3	16QAM	1	14	22.07	22.02	22.21
3	16QAM	8	0	21.33	21.40	21.29
3	16QAM	8	4	21.25	21.21	21.19
3	16QAM	8	7	21.08	21.18	21.13
3	16QAM	15	0	21.03	21.09	21.08
3	64QAM	1	0	21.26	21.35	21.34
3	64QAM	1	8	21.24	21.27	21.26
3	64QAM	1	14	21.05	21.25	21.14
3	64QAM	8	0	20.12	20.23	20.13
3	64QAM	8	4	20.17	20.19	20.32
3	64QAM	8	7	20.22	20.40	20.23
3	64QAM	15	0	20.33	20.38	20.37



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	23.09	23.17	23.11
1.4	QPSK	1	3	23.13	23.15	23.13
1.4	QPSK	1	5	23.10	23.05	23.09
1.4	QPSK	3	0	22.28	22.17	22.37
1.4	QPSK	3	1	22.07	22.17	22.30
1.4	QPSK	3	3	22.28	22.12	22.14
1.4	QPSK	6	0	22.08	22.15	22.17
1.4	16QAM	1	0	22.23	22.19	22.30
1.4	16QAM	1	3	22.13	22.25	22.33
1.4	16QAM	1	5	22.23	22.09	22.13
1.4	16QAM	3	0	21.18	21.38	21.42
1.4	16QAM	3	1	21.33	21.40	21.10
1.4	16QAM	3	3	21.09	21.18	21.11
1.4	16QAM	6	0	21.07	21.21	21.12
1.4	64QAM	1	0	21.39	21.42	21.16
1.4	64QAM	1	3	21.22	21.28	21.20
1.4	64QAM	1	5	21.11	21.36	21.09
1.4	64QAM	3	0	20.36	20.40	20.38
1.4	64QAM	3	1	20.18	20.11	20.28
1.4	64QAM	3	3	20.33	20.33	20.14
1.4	64QAM	6	0	20.10	20.32	20.26



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	22.59	22.75	22.65
20	QPSK	1	49	22.57	22.59	22.57
20	QPSK	1	99	22.63	22.54	22.65
20	QPSK	50	0	21.71	21.84	21.65
20	QPSK	50	24	21.60	21.66	21.74
20	QPSK	50	50	21.75	21.74	21.83
20	QPSK	100	0	21.64	21.64	21.63
20	16QAM	1	0	21.81	21.88	21.81
20	16QAM	1	49	21.88	21.83	21.71
20	16QAM	1	99	21.58	21.60	21.83
20	16QAM	50	0	20.59	20.91	20.86
20	16QAM	50	24	20.69	20.84	20.58
20	16QAM	50	50	20.60	20.61	20.74
20	16QAM	100	0	20.64	20.56	20.58
20	64QAM	1	0	20.65	20.89	20.77
20	64QAM	1	49	20.84	20.76	20.81
20	64QAM	1	99	20.50	20.86	20.55
20	64QAM	50	0	19.92	19.76	19.86
20	64QAM	50	24	19.72	19.76	19.63
20	64QAM	50	50	19.90	19.80	19.79
20	64QAM	100	0	19.64	19.97	19.86



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	22.57	22.69	22.52
15	QPSK	1	37	22.56	22.61	22.65
15	QPSK	1	74	22.62	22.59	22.61
15	QPSK	36	0	21.60	21.88	21.78
15	QPSK	36	20	21.57	21.71	21.81
15	QPSK	36	39	21.65	21.66	21.64
15	QPSK	75	0	21.68	21.60	21.68
15	16QAM	1	0	21.82	21.78	21.80
15	16QAM	1	37	21.85	21.88	21.58
15	16QAM	1	74	21.58	21.85	21.70
15	16QAM	36	0	20.77	20.85	20.69
15	16QAM	36	20	20.73	20.69	20.75
15	16QAM	36	39	20.72	20.68	20.64
15	16QAM	75	0	20.69	20.65	20.59
15	64QAM	1	0	20.74	20.93	20.65
15	64QAM	1	37	20.75	20.87	20.87
15	64QAM	1	74	20.63	20.86	20.79
15	64QAM	36	0	19.90	19.75	19.96
15	64QAM	36	20	19.77	19.83	19.71
15	64QAM	36	39	19.83	19.92	19.64
15	64QAM	75	0	19.83	19.82	19.89



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	22.63	22.70	22.62
10	QPSK	1	25	22.64	22.68	22.53
10	QPSK	1	49	22.60	22.56	22.65
10	QPSK	25	0	21.69	21.81	21.71
10	QPSK	25	12	21.51	21.75	21.71
10	QPSK	25	25	21.83	21.85	21.60
10	QPSK	50	0	21.61	21.66	21.79
10	16QAM	1	0	21.75	21.74	21.77
10	16QAM	1	25	21.65	21.75	21.61
10	16QAM	1	49	21.65	21.70	21.74
10	16QAM	25	0	20.83	20.79	20.84
10	16QAM	25	12	20.70	20.66	20.80
10	16QAM	25	25	20.82	20.73	20.90
10	16QAM	50	0	20.71	20.42	20.72
10	64QAM	1	0	20.80	20.94	20.84
10	64QAM	1	25	20.75	20.61	20.99
10	64QAM	1	49	20.61	20.90	20.78
10	64QAM	25	0	19.74	19.85	19.98
10	64QAM	25	12	19.97	19.86	19.66
10	64QAM	25	25	19.98	19.85	19.73
10	64QAM	50	0	19.67	19.76	19.77



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	22.66	22.71	22.58
5	QPSK	1	12	22.61	22.65	22.70
5	QPSK	1	24	22.64	22.52	22.67
5	QPSK	12	0	21.74	21.87	21.67
5	QPSK	12	7	21.57	21.57	21.72
5	QPSK	12	13	21.86	21.86	21.73
5	QPSK	25	0	21.77	21.51	21.53
5	16QAM	1	0	21.84	21.88	21.85
5	16QAM	1	12	21.84	21.84	21.60
5	16QAM	1	24	21.55	21.63	21.75
5	16QAM	12	0	20.53	20.90	20.78
5	16QAM	12	7	20.77	20.69	20.67
5	16QAM	12	13	20.66	20.67	20.61
5	16QAM	25	0	20.70	20.81	20.61
5	64QAM	1	0	20.73	20.78	20.89
5	64QAM	1	12	20.92	20.72	20.67
5	64QAM	1	24	20.62	20.73	20.63
5	64QAM	12	0	19.84	19.73	19.76
5	64QAM	12	7	19.80	19.72	19.61
5	64QAM	12	13	19.79	19.88	19.86
5	64QAM	25	0	19.65	19.78	19.98



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	23.57	23.68	23.63
10	QPSK	1	25	23.56	23.55	23.62
10	QPSK	1	49	23.52	23.55	23.60
10	QPSK	25	0	22.73	22.84	22.57
10	QPSK	25	12	22.71	22.75	22.65
10	QPSK	25	25	22.61	22.80	22.83
10	QPSK	50	0	22.61	22.73	22.58
10	16QAM	1	0	22.79	22.75	22.71
10	16QAM	1	25	22.88	22.63	22.62
10	16QAM	1	49	22.54	22.67	22.66
10	16QAM	25	0	21.82	21.90	21.86
10	16QAM	25	12	21.72	21.74	21.69
10	16QAM	25	25	21.78	21.63	21.82
10	16QAM	50	0	21.62	21.66	21.49
10	64QAM	1	0	21.50	21.91	21.90
10	64QAM	1	25	21.76	21.72	21.89
10	64QAM	1	49	21.67	21.71	21.62
10	64QAM	25	0	20.67	20.77	20.62
10	64QAM	25	12	20.64	20.58	20.59
10	64QAM	25	25	20.91	20.64	20.70
10	64QAM	50	0	20.61	20.62	20.76



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	23.61	23.66	23.62
5	QPSK	1	12	23.53	23.53	23.57
5	QPSK	1	24	23.57	23.58	23.60
5	QPSK	12	0	22.57	22.75	22.79
5	QPSK	12	7	22.85	22.60	22.77
5	QPSK	12	13	22.62	22.88	22.84
5	QPSK	25	0	22.55	22.81	22.59
5	16QAM	1	0	22.67	22.81	22.67
5	16QAM	1	12	22.73	22.71	22.73
5	16QAM	1	24	22.74	22.55	22.68
5	16QAM	12	0	21.81	21.72	21.83
5	16QAM	12	7	21.78	21.62	21.64
5	16QAM	12	13	21.58	21.62	21.79
5	16QAM	25	0	21.59	21.69	21.58
5	64QAM	1	0	21.62	21.79	21.78
5	64QAM	1	12	21.74	21.84	21.66
5	64QAM	1	24	21.63	21.77	21.55
5	64QAM	12	0	20.82	20.78	20.77
5	64QAM	12	7	20.62	20.72	20.62
5	64QAM	12	13	20.75	20.73	20.59
5	64QAM	25	0	20.64	20.69	20.85



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	23.57	23.64	23.63
3	QPSK	1	8	23.55	23.56	23.52
3	QPSK	1	14	23.53	23.59	23.59
3	QPSK	8	0	22.82	22.80	22.65
3	QPSK	8	4	22.58	22.62	22.76
3	QPSK	8	7	22.65	22.63	22.57
3	QPSK	15	0	22.70	22.59	22.68
3	16QAM	1	0	22.74	22.79	22.69
3	16QAM	1	8	22.79	22.79	22.60
3	16QAM	1	14	22.56	22.69	22.72
3	16QAM	8	0	21.66	21.78	21.73
3	16QAM	8	4	21.71	21.68	21.67
3	16QAM	8	7	21.83	21.70	21.78
3	16QAM	15	0	21.80	21.53	21.74
3	64QAM	1	0	21.86	21.73	21.86
3	64QAM	1	8	21.73	21.84	21.87
3	64QAM	1	14	21.60	21.72	21.70
3	64QAM	8	0	20.69	20.77	20.72
3	64QAM	8	4	20.86	20.84	20.78
3	64QAM	8	7	20.77	20.97	20.96
3	64QAM	15	0	20.79	20.78	20.79



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.59	23.65	23.56
1.4	QPSK	1	3	23.45	23.55	23.61
1.4	QPSK	1	5	23.48	23.49	23.56
1.4	QPSK	3	0	22.75	22.77	22.60
1.4	QPSK	3	1	22.55	22.56	22.64
1.4	QPSK	3	3	22.69	22.62	22.61
1.4	QPSK	6	0	22.66	22.70	22.66
1.4	16QAM	1	0	22.75	22.84	22.66
1.4	16QAM	1	3	22.77	22.74	22.74
1.4	16QAM	1	5	22.65	22.60	22.76
1.4	16QAM	3	0	21.73	21.83	21.56
1.4	16QAM	3	1	21.56	21.75	21.65
1.4	16QAM	3	3	21.55	21.79	21.62
1.4	16QAM	6	0	21.71	21.68	21.53
1.4	64QAM	1	0	21.77	21.88	21.74
1.4	64QAM	1	3	21.81	21.82	21.81
1.4	64QAM	1	5	21.59	21.76	21.67
1.4	64QAM	3	0	20.77	20.84	20.74
1.4	64QAM	3	1	20.94	20.83	20.53
1.4	64QAM	3	3	20.81	20.94	20.72
1.4	64QAM	6	0	20.89	20.78	20.77



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				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	23.56	23.72	23.65
10	QPSK	1	25	23.51	23.70	23.60
10	QPSK	1	49	23.71	23.63	23.67
10	QPSK	25	0	22.63	22.87	22.75
10	QPSK	25	12	22.67	22.79	22.78
10	QPSK	25	25	22.86	22.63	22.70
10	QPSK	50	0	22.74	22.74	22.77
10	16QAM	1	0	22.81	22.88	22.80
10	16QAM	1	25	22.75	22.71	22.58
10	16QAM	1	49	22.83	22.56	22.79
10	16QAM	25	0	21.67	21.68	21.73
10	16QAM	25	12	21.64	21.75	21.59
10	16QAM	25	25	21.84	21.66	21.80
10	16QAM	50	0	21.52	21.77	21.76
10	64QAM	1	0	21.55	21.82	21.89
10	64QAM	1	25	21.71	21.69	21.84
10	64QAM	1	49	21.70	21.85	21.67
10	64QAM	25	0	20.75	20.92	20.90
10	64QAM	25	12	20.82	20.80	20.74
10	64QAM	25	25	20.73	20.65	20.71
10	64QAM	50	0	20.80	20.78	20.76



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	23.62	23.67	23.56
5	QPSK	1	12	23.53	23.59	23.62
5	QPSK	1	24	23.56	23.58	23.60
5	QPSK	12	0	22.86	22.85	22.87
5	QPSK	12	7	22.73	22.82	22.62
5	QPSK	12	13	22.69	22.81	22.71
5	QPSK	25	0	22.66	22.87	22.78
5	16QAM	1	0	22.85	22.80	22.75
5	16QAM	1	12	22.79	22.82	22.64
5	16QAM	1	24	22.70	22.65	22.63
5	16QAM	12	0	21.65	21.95	21.94
5	16QAM	12	7	21.75	21.97	21.56
5	16QAM	12	13	21.78	21.76	21.81
5	16QAM	25	0	21.66	21.54	21.77
5	64QAM	1	0	21.78	21.95	21.92
5	64QAM	1	12	21.76	21.71	21.74
5	64QAM	1	24	21.68	21.83	21.61
5	64QAM	12	0	20.67	20.79	20.75
5	64QAM	12	7	20.85	20.75	20.60
5	64QAM	12	13	20.81	20.81	20.83
5	64QAM	25	0	20.73	20.80	20.72



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	22.74	22.81	22.68
20	QPSK	1	49	22.63	22.69	22.54
20	QPSK	1	99	22.63	22.60	22.60
20	QPSK	50	0	21.77	21.81	21.65
20	QPSK	50	24	21.77	21.52	21.68
20	QPSK	50	50	21.63	21.59	21.71
20	QPSK	100	0	21.65	21.63	21.66
20	16QAM	1	0	21.63	21.82	21.79
20	16QAM	1	49	21.71	21.76	21.71
20	16QAM	1	99	21.69	21.62	21.88
20	16QAM	50	0	20.70	20.80	20.75
20	16QAM	50	24	20.73	20.73	20.67
20	16QAM	50	50	20.72	20.64	20.85
20	16QAM	100	0	20.70	20.67	20.77
20	64QAM	1	0	20.76	20.90	20.93
20	64QAM	1	49	20.75	20.65	20.59
20	64QAM	1	99	20.63	20.83	20.55
20	64QAM	50	0	19.85	19.85	19.80
20	64QAM	50	24	19.71	19.61	19.84
20	64QAM	50	50	19.75	19.86	19.73
20	64QAM	100	0	19.72	19.68	19.75



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	22.59	22.77	22.69
15	QPSK	1	37	22.70	22.65	22.75
15	QPSK	1	74	22.69	22.73	22.60
15	QPSK	36	0	21.81	21.83	21.57
15	QPSK	36	20	21.69	21.54	21.79
15	QPSK	36	39	21.65	21.81	21.73
15	QPSK	75	0	21.80	21.52	21.61
15	16QAM	1	0	21.76	21.83	21.72
15	16QAM	1	37	21.75	21.72	21.62
15	16QAM	1	74	21.53	21.67	21.87
15	16QAM	36	0	20.52	20.83	20.83
15	16QAM	36	20	20.94	20.84	20.66
15	16QAM	36	39	20.58	20.66	20.83
15	16QAM	75	0	20.50	20.67	20.59
15	64QAM	1	0	20.73	20.87	20.76
15	64QAM	1	37	20.77	20.91	20.66
15	64QAM	1	74	20.51	20.73	20.68
15	64QAM	36	0	19.84	19.82	19.85
15	64QAM	36	20	19.78	19.71	19.88
15	64QAM	36	39	19.82	19.75	19.71
15	64QAM	75	0	19.77	19.82	19.80



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	22.59	22.78	22.74
10	QPSK	1	25	22.69	22.53	22.65
10	QPSK	1	49	22.55	22.68	22.76
10	QPSK	25	0	21.71	21.82	21.73
10	QPSK	25	12	21.81	21.71	21.63
10	QPSK	25	25	21.74	21.65	21.66
10	QPSK	50	0	21.54	21.67	21.64
10	16QAM	1	0	21.85	21.85	21.66
10	16QAM	1	25	21.79	21.88	21.73
10	16QAM	1	49	21.82	21.76	21.69
10	16QAM	25	0	20.62	20.85	20.82
10	16QAM	25	12	20.92	20.73	20.58
10	16QAM	25	25	20.73	20.70	20.81
10	16QAM	50	0	20.55	20.70	20.44
10	64QAM	1	0	20.55	20.74	20.69
10	64QAM	1	25	20.79	20.65	20.98
10	64QAM	1	49	20.67	20.59	20.61
10	64QAM	25	0	19.82	19.92	19.84
10	64QAM	25	12	19.70	19.66	19.67
10	64QAM	25	25	19.76	19.87	19.97
10	64QAM	50	0	19.59	19.71	19.91



LTE Band 38						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	22.74	22.79	22.64
5	QPSK	1	12	22.60	22.57	22.56
5	QPSK	1	24	22.63	22.67	22.63
5	QPSK	12	0	21.70	21.81	21.56
5	QPSK	12	7	21.65	21.77	21.65
5	QPSK	12	13	21.62	21.76	21.69
5	QPSK	25	0	21.55	21.65	21.52
5	16QAM	1	0	21.69	21.86	21.71
5	16QAM	1	12	21.73	21.69	21.73
5	16QAM	1	24	21.60	21.67	21.75
5	16QAM	12	0	20.64	20.86	20.91
5	16QAM	12	7	20.70	20.59	20.62
5	16QAM	12	13	20.67	20.66	20.99
5	16QAM	25	0	20.86	20.74	20.66
5	64QAM	1	0	20.58	20.85	20.92
5	64QAM	1	12	20.78	20.63	20.80
5	64QAM	1	24	20.68	20.75	20.51
5	64QAM	12	0	19.75	19.84	19.81
5	64QAM	12	7	19.84	19.68	19.52
5	64QAM	12	13	19.90	19.89	19.85
5	64QAM	25	0	19.53	19.89	19.75



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	38750	/
Frequency (MHz)				/	2310	/
10	QPSK	1	0	/	23.10	/
10	QPSK	1	25	/	23.05	/
10	QPSK	1	49	/	23.08	/
10	QPSK	25	0	/	22.17	/
10	QPSK	25	12	/	22.15	/
10	QPSK	25	25	/	22.06	/
10	QPSK	50	0	/	22.10	/
10	16QAM	1	0	/	22.19	/
10	16QAM	1	25	/	22.03	/
10	16QAM	1	49	/	22.16	/
10	16QAM	25	0	/	21.28	/
10	16QAM	25	12	/	21.08	/
10	16QAM	25	25	/	21.16	/
10	16QAM	50	0	/	21.17	/
10	64QAM	1	0	/	21.23	/
10	64QAM	1	25	/	21.19	/
10	64QAM	1	49	/	21.23	/
10	64QAM	25	0	/	20.22	/
10	64QAM	25	12	/	20.13	/
10	64QAM	25	25	/	20.09	/
10	64QAM	50	0	/	20.15	/



LTE Band 40, Block A						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				38725	38750	38775
Frequency (MHz)				2307.5	2310	2312.5
5	QPSK	1	0	23.06	23.08	23.06
5	QPSK	1	12	23.02	22.95	23.04
5	QPSK	1	24	23.05	23.01	22.95
5	QPSK	12	0	22.07	22.20	22.11
5	QPSK	12	7	22.21	22.10	22.18
5	QPSK	12	13	22.12	22.09	22.19
5	QPSK	25	0	22.17	22.13	22.16
5	16QAM	1	0	22.39	22.38	22.42
5	16QAM	1	12	22.24	22.42	22.13
5	16QAM	1	24	22.16	22.31	22.34
5	16QAM	12	0	21.23	21.30	21.37
5	16QAM	12	7	21.16	21.19	21.19
5	16QAM	12	13	21.05	21.17	21.21
5	16QAM	25	0	21.28	21.16	21.27
5	64QAM	1	0	21.03	21.29	21.24
5	64QAM	1	12	21.22	21.39	21.18
5	64QAM	1	24	21.07	21.23	21.11
5	64QAM	12	0	20.39	20.20	20.31
5	64QAM	12	7	20.29	20.26	20.30
5	64QAM	12	13	20.28	20.41	20.16
5	64QAM	25	0	20.19	20.29	20.25



LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	39200	/
Frequency (MHz)				/	2355	/
10	QPSK	1	0	/	23.15	/
10	QPSK	1	25	/	23.08	/
10	QPSK	1	49	/	23.10	/
10	QPSK	25	0	/	22.09	/
10	QPSK	25	12	/	22.06	/
10	QPSK	25	25	/	22.01	/
10	QPSK	50	0	/	22.04	/
10	16QAM	1	0	/	22.22	/
10	16QAM	1	25	/	22.09	/
10	16QAM	1	49	/	22.15	/
10	16QAM	25	0	/	21.16	/
10	16QAM	25	12	/	21.06	/
10	16QAM	25	25	/	21.11	/
10	16QAM	50	0	/	21.10	/
10	64QAM	1	0	/	21.09	/
10	64QAM	1	25	/	21.13	/
10	64QAM	1	49	/	21.05	/
10	64QAM	25	0	/	20.24	/
10	64QAM	25	12	/	20.23	/
10	64QAM	25	25	/	20.09	/
10	64QAM	50	0	/	20.16	/



LTE Band 40, Block B						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39175	39200	39225
Frequency (MHz)				2352.5	2355	2357.5
5	QPSK	1	0	23.04	23.13	23.09
5	QPSK	1	12	23.07	23.11	23.07
5	QPSK	1	24	23.04	23.08	23.04
5	QPSK	12	0	22.27	22.19	22.05
5	QPSK	12	7	22.22	22.05	22.15
5	QPSK	12	13	22.37	22.35	22.15
5	QPSK	25	0	22.09	22.09	22.05
5	16QAM	1	0	22.18	22.34	22.22
5	16QAM	1	12	22.05	22.07	22.14
5	16QAM	1	24	22.09	22.18	22.06
5	16QAM	12	0	21.04	21.31	21.25
5	16QAM	12	7	21.08	21.06	21.06
5	16QAM	12	13	21.25	21.06	21.24
5	16QAM	25	0	21.03	21.06	21.28
5	64QAM	1	0	21.20	21.32	21.25
5	64QAM	1	12	21.20	21.14	21.20
5	64QAM	1	24	21.08	21.21	21.13
5	64QAM	12	0	20.34	20.35	20.38
5	64QAM	12	7	20.14	20.22	20.07
5	64QAM	12	13	20.20	20.15	20.13
5	64QAM	25	0	20.17	20.24	20.24



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	23.09	23.22	23.04
20	QPSK	1	49	23.09	23.20	23.03
20	QPSK	1	99	23.13	23.13	23.08
20	QPSK	50	0	22.20	22.44	22.23
20	QPSK	50	24	22.07	22.35	22.05
20	QPSK	50	50	22.19	22.38	22.37
20	QPSK	100	0	22.03	22.38	22.03
20	16QAM	1	0	22.30	22.43	22.33
20	16QAM	1	49	22.21	22.44	22.26
20	16QAM	1	99	22.19	22.34	22.28
20	16QAM	50	0	21.17	21.34	21.34
20	16QAM	50	24	21.38	21.29	21.43
20	16QAM	50	50	21.13	21.09	21.07
20	16QAM	100	0	21.27	21.26	21.18
20	64QAM	1	0	21.10	21.36	21.29
20	64QAM	1	49	21.22	21.43	21.19
20	64QAM	1	99	21.10	21.44	21.00
20	64QAM	50	0	20.39	20.46	20.35
20	64QAM	50	24	20.12	20.47	20.07
20	64QAM	50	50	20.28	20.22	20.31
20	64QAM	100	0	20.21	20.15	20.01



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	23.10	23.20	23.05
15	QPSK	1	37	23.07	23.13	23.10
15	QPSK	1	74	23.03	23.02	23.06
15	QPSK	36	0	22.10	22.42	22.31
15	QPSK	36	20	22.13	22.24	21.98
15	QPSK	36	39	22.36	22.31	22.17
15	QPSK	75	0	22.07	22.27	22.35
15	16QAM	1	0	22.23	22.33	22.16
15	16QAM	1	37	22.24	22.31	22.33
15	16QAM	1	74	22.17	22.21	22.22
15	16QAM	36	0	21.03	21.35	21.18
15	16QAM	36	20	21.20	21.23	21.21
15	16QAM	36	39	21.06	21.32	21.17
15	16QAM	75	0	21.03	21.03	21.11
15	64QAM	1	0	21.16	21.39	21.02
15	64QAM	1	37	21.25	21.29	21.23
15	64QAM	1	74	21.25	21.25	21.01
15	64QAM	36	0	20.25	20.44	20.18
15	64QAM	36	20	20.11	20.31	20.22
15	64QAM	36	39	20.31	20.43	20.46
15	64QAM	75	0	20.00	20.32	20.21



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	23.18	23.19	23.12
10	QPSK	1	25	23.11	23.07	23.17
10	QPSK	1	49	23.04	23.18	23.15
10	QPSK	25	0	22.34	22.40	22.13
10	QPSK	25	12	22.31	22.35	22.25
10	QPSK	25	25	22.06	22.26	22.27
10	QPSK	50	0	22.09	22.16	22.06
10	16QAM	1	0	22.28	22.30	22.16
10	16QAM	1	25	22.28	22.35	22.29
10	16QAM	1	49	22.33	22.10	21.96
10	16QAM	25	0	21.33	21.34	21.22
10	16QAM	25	12	21.11	21.21	21.23
10	16QAM	25	25	21.12	21.09	20.98
10	16QAM	50	0	21.02	21.11	21.33
10	64QAM	1	0	21.15	21.28	21.17
10	64QAM	1	25	21.28	21.25	21.21
10	64QAM	1	49	21.12	21.37	21.15
10	64QAM	25	0	20.14	20.39	20.23
10	64QAM	25	12	20.42	20.30	20.28
10	64QAM	25	25	20.34	20.31	20.43
10	64QAM	50	0	20.27	20.37	20.14



LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	23.05	23.16	23.14
5	QPSK	1	12	23.05	23.05	23.12
5	QPSK	1	24	23.05	22.99	23.05
5	QPSK	12	0	22.10	22.38	22.33
5	QPSK	12	7	22.27	22.34	22.22
5	QPSK	12	13	22.10	22.22	22.36
5	QPSK	25	0	22.26	22.28	22.22
5	16QAM	1	0	22.34	22.38	22.33
5	16QAM	1	12	22.39	22.35	22.35
5	16QAM	1	24	22.05	22.08	22.05
5	16QAM	12	0	21.20	21.37	20.95
5	16QAM	12	7	21.31	21.38	21.34
5	16QAM	12	13	21.09	21.03	20.95
5	16QAM	25	0	21.00	21.28	21.06
5	64QAM	1	0	21.36	21.41	21.22
5	64QAM	1	12	21.26	21.25	21.27
5	64QAM	1	24	20.99	21.40	20.93
5	64QAM	12	0	20.48	20.11	20.12
5	64QAM	12	7	20.07	20.45	20.36
5	64QAM	12	13	20.43	20.36	20.13
5	64QAM	25	0	20.27	20.64	20.01



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	23.63	0.231	23.68	0.233	23.62	0.230
20	QPSK	1	49	23.45	0.221	23.55	0.226	23.48	0.223
20	QPSK	1	99	23.63	0.231	23.44	0.221	23.53	0.225
20	QPSK	50	0	22.68	0.185	22.70	0.186	22.63	0.183
20	QPSK	50	24	22.53	0.179	22.66	0.185	22.53	0.179
20	QPSK	50	50	22.62	0.183	22.61	0.182	22.65	0.184
20	QPSK	100	0	22.57	0.181	22.58	0.181	22.59	0.182
20	16QAM	1	0	22.59	0.182	22.75	0.188	22.48	0.177
20	16QAM	1	49	22.59	0.182	22.74	0.188	22.59	0.182
20	16QAM	1	99	22.52	0.179	22.57	0.181	22.56	0.180
20	16QAM	50	0	21.63	0.146	21.75	0.150	21.68	0.147
20	16QAM	50	24	21.61	0.145	21.56	0.143	21.55	0.143
20	16QAM	50	50	21.56	0.143	21.55	0.143	21.58	0.144
20	16QAM	100	0	21.56	0.143	21.58	0.144	21.60	0.145
20	64QAM	1	0	21.59	0.144	21.80	0.151	21.67	0.147
20	64QAM	1	49	21.62	0.145	21.69	0.148	21.49	0.141
20	64QAM	1	99	21.52	0.142	21.53	0.142	21.56	0.143
20	64QAM	50	0	20.72	0.118	20.77	0.119	20.68	0.117
20	64QAM	50	24	20.59	0.115	20.66	0.116	20.56	0.114
20	64QAM	50	50	20.63	0.116	20.58	0.114	20.60	0.115
20	64QAM	100	0	20.62	0.115	20.65	0.116	20.61	0.115



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	23.49	0.223	23.65	0.232	23.61	0.230
15	QPSK	1	37	23.48	0.223	23.61	0.230	23.55	0.226
15	QPSK	1	74	23.57	0.228	23.58	0.228	23.59	0.229
15	QPSK	36	0	22.58	0.181	22.85	0.193	22.82	0.191
15	QPSK	36	20	22.68	0.185	22.60	0.182	22.57	0.181
15	QPSK	36	39	22.75	0.188	22.83	0.192	22.53	0.179
15	QPSK	75	0	22.58	0.181	22.56	0.180	22.61	0.182
15	16QAM	1	0	22.71	0.187	22.75	0.188	22.56	0.180
15	16QAM	1	37	22.58	0.181	22.56	0.180	22.57	0.181
15	16QAM	1	74	22.55	0.180	22.48	0.177	22.42	0.175
15	16QAM	36	0	21.80	0.151	21.82	0.152	21.78	0.151
15	16QAM	36	20	21.68	0.147	21.67	0.147	21.68	0.147
15	16QAM	36	39	21.78	0.151	21.80	0.151	21.81	0.152
15	16QAM	75	0	21.53	0.142	21.77	0.150	21.53	0.142
15	64QAM	1	0	21.59	0.144	21.71	0.148	21.55	0.143
15	64QAM	1	37	21.62	0.145	21.55	0.143	21.54	0.143
15	64QAM	1	74	21.51	0.142	21.57	0.144	21.65	0.146
15	64QAM	36	0	20.79	0.120	20.80	0.120	20.78	0.120
15	64QAM	36	20	20.67	0.117	20.84	0.121	20.76	0.119
15	64QAM	36	39	20.74	0.119	20.78	0.120	20.61	0.115
15	64QAM	75	0	20.81	0.121	20.62	0.115	20.79	0.120



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	23.48	0.223	23.66	0.232	23.48	0.223
10	QPSK	1	25	23.60	0.229	23.50	0.224	23.53	0.225
10	QPSK	1	49	23.55	0.226	23.62	0.230	23.51	0.224
10	QPSK	25	0	22.81	0.191	22.74	0.188	22.63	0.183
10	QPSK	25	12	22.64	0.184	22.61	0.182	22.71	0.187
10	QPSK	25	25	22.51	0.178	22.69	0.186	22.69	0.186
10	QPSK	50	0	22.73	0.187	22.77	0.189	22.81	0.191
10	16QAM	1	0	22.47	0.177	22.68	0.185	22.48	0.177
10	16QAM	1	25	22.48	0.177	22.49	0.177	22.51	0.178
10	16QAM	1	49	22.56	0.180	22.65	0.184	22.53	0.179
10	16QAM	25	0	21.85	0.153	21.78	0.151	21.86	0.153
10	16QAM	25	12	21.81	0.152	21.64	0.146	21.65	0.146
10	16QAM	25	25	21.65	0.146	21.71	0.148	21.66	0.147
10	16QAM	50	0	21.72	0.149	21.46	0.140	21.50	0.141
10	64QAM	1	0	21.72	0.149	21.74	0.149	21.71	0.148
10	64QAM	1	25	21.54	0.143	21.65	0.146	21.47	0.140
10	64QAM	1	49	21.51	0.142	21.70	0.148	21.76	0.150
10	64QAM	25	0	20.78	0.120	20.86	0.122	20.87	0.122
10	64QAM	25	12	20.81	0.121	20.81	0.121	20.64	0.116
10	64QAM	25	25	20.64	0.116	20.79	0.120	20.66	0.116
10	64QAM	50	0	20.78	0.120	20.64	0.116	20.73	0.118



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	23.54	0.226	23.63	0.231	23.58	0.228
5	QPSK	1	12	23.56	0.227	23.57	0.228	23.51	0.224
5	QPSK	1	24	23.54	0.226	23.60	0.229	23.59	0.229
5	QPSK	12	0	22.82	0.191	22.79	0.190	22.85	0.193
5	QPSK	12	7	22.69	0.186	22.85	0.193	22.53	0.179
5	QPSK	12	13	22.63	0.183	22.82	0.191	22.84	0.192
5	QPSK	25	0	22.55	0.180	22.45	0.176	22.79	0.190
5	16QAM	1	0	22.76	0.189	22.79	0.190	22.62	0.183
5	16QAM	1	12	22.73	0.187	22.70	0.186	22.83	0.192
5	16QAM	1	24	22.44	0.175	22.44	0.175	22.49	0.177
5	16QAM	12	0	21.74	0.149	21.77	0.150	21.64	0.146
5	16QAM	12	7	21.55	0.143	21.81	0.152	21.61	0.145
5	16QAM	12	13	21.76	0.150	21.80	0.151	21.78	0.151
5	16QAM	25	0	21.81	0.152	21.61	0.145	21.70	0.148
5	64QAM	1	0	21.74	0.149	21.79	0.151	21.59	0.144
5	64QAM	1	12	21.77	0.150	21.62	0.145	21.45	0.140
5	64QAM	1	24	21.57	0.144	21.69	0.148	21.73	0.149
5	64QAM	12	0	20.67	0.117	20.83	0.121	20.83	0.121
5	64QAM	12	7	20.51	0.112	20.52	0.113	20.58	0.114
5	64QAM	12	13	20.64	0.116	20.80	0.120	20.70	0.117
5	64QAM	25	0	20.76	0.119	20.78	0.120	20.67	0.117



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	23.62	0.230	23.65	0.232	23.54	0.226
3	QPSK	1	8	23.55	0.226	23.59	0.229	23.64	0.231
3	QPSK	1	14	23.64	0.231	23.41	0.219	23.50	0.224
3	QPSK	8	0	22.81	0.191	22.58	0.181	22.79	0.190
3	QPSK	8	4	22.76	0.189	22.57	0.181	22.60	0.182
3	QPSK	8	7	22.54	0.179	22.85	0.193	22.72	0.187
3	QPSK	15	0	22.55	0.180	22.64	0.184	22.74	0.188
3	16QAM	1	0	22.65	0.184	22.75	0.188	22.61	0.182
3	16QAM	1	8	22.70	0.186	22.65	0.184	22.74	0.188
3	16QAM	1	14	22.61	0.182	22.68	0.185	22.48	0.177
3	16QAM	8	0	21.75	0.150	21.72	0.149	21.87	0.154
3	16QAM	8	4	21.57	0.144	21.52	0.142	21.71	0.148
3	16QAM	8	7	21.59	0.144	21.77	0.150	21.80	0.151
3	16QAM	15	0	21.80	0.151	21.74	0.149	21.60	0.145
3	64QAM	1	0	21.56	0.143	21.69	0.148	21.66	0.147
3	64QAM	1	8	21.56	0.143	21.58	0.144	21.59	0.144
3	64QAM	1	14	21.74	0.149	21.48	0.141	21.71	0.148
3	64QAM	8	0	20.61	0.115	20.76	0.119	20.65	0.116
3	64QAM	8	4	20.52	0.113	20.53	0.113	20.57	0.114
3	64QAM	8	7	20.80	0.120	20.83	0.121	20.67	0.117
3	64QAM	15	0	20.64	0.116	20.73	0.118	20.65	0.116



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	23.58	0.228	23.64	0.231	23.62	0.230
1.4	QPSK	1	3	23.50	0.224	23.56	0.227	23.58	0.228
1.4	QPSK	1	5	23.59	0.229	23.57	0.228	23.52	0.225
1.4	QPSK	3	0	23.21	0.209	22.99	0.199	22.92	0.196
1.4	QPSK	3	1	22.95	0.197	23.28	0.213	22.95	0.197
1.4	QPSK	3	3	22.98	0.199	23.09	0.204	22.97	0.198
1.4	QPSK	6	0	22.52	0.179	22.55	0.180	22.57	0.181
1.4	16QAM	1	0	22.74	0.188	22.70	0.186	22.65	0.184
1.4	16QAM	1	3	22.51	0.178	22.66	0.185	22.44	0.175
1.4	16QAM	1	5	22.62	0.183	22.46	0.176	22.75	0.188
1.4	16QAM	3	0	22.28	0.169	22.13	0.163	22.06	0.161
1.4	16QAM	3	1	22.13	0.163	22.03	0.160	22.08	0.161
1.4	16QAM	3	3	22.16	0.164	22.02	0.159	22.08	0.161
1.4	16QAM	6	0	21.70	0.148	21.73	0.149	21.50	0.141
1.4	64QAM	1	0	21.49	0.141	21.73	0.149	21.62	0.145
1.4	64QAM	1	3	21.78	0.151	21.85	0.153	21.63	0.146
1.4	64QAM	1	5	21.72	0.149	21.59	0.144	21.76	0.150
1.4	64QAM	3	0	21.32	0.136	21.29	0.135	21.08	0.128
1.4	64QAM	3	1	21.01	0.126	21.11	0.129	21.04	0.127
1.4	64QAM	3	3	21.12	0.129	21.11	0.129	21.22	0.132
1.4	64QAM	6	0	20.77	0.119	20.89	0.123	20.83	0.121



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.57	0.228	23.80	0.240	23.64	0.231
20	QPSK	1	49	23.60	0.229	23.59	0.229	23.69	0.234
20	QPSK	1	99	23.66	0.232	23.60	0.229	23.70	0.234
20	QPSK	50	0	22.76	0.189	22.83	0.192	22.66	0.185
20	QPSK	50	24	22.77	0.189	22.81	0.191	22.74	0.188
20	QPSK	50	50	22.60	0.182	22.69	0.186	22.63	0.183
20	QPSK	100	0	22.70	0.186	22.74	0.188	22.64	0.184
20	16QAM	1	0	22.89	0.195	22.91	0.195	22.81	0.191
20	16QAM	1	49	22.82	0.191	22.85	0.193	22.71	0.187
20	16QAM	1	99	22.55	0.180	22.73	0.187	22.76	0.189
20	16QAM	50	0	21.59	0.144	21.81	0.152	21.82	0.152
20	16QAM	50	24	21.85	0.153	21.73	0.149	21.82	0.152
20	16QAM	50	50	21.56	0.143	21.55	0.143	21.77	0.150
20	16QAM	100	0	21.77	0.150	21.66	0.147	21.60	0.145
20	64QAM	1	0	21.79	0.151	21.79	0.151	21.82	0.152
20	64QAM	1	49	21.87	0.154	21.75	0.150	21.73	0.149
20	64QAM	1	99	21.57	0.144	21.70	0.148	21.80	0.151
20	64QAM	50	0	20.66	0.116	20.68	0.117	20.72	0.118
20	64QAM	50	24	20.72	0.118	20.79	0.120	20.68	0.117
20	64QAM	50	50	20.72	0.118	20.65	0.116	20.87	0.122
20	64QAM	100	0	20.59	0.115	20.69	0.117	20.76	0.119



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.54	0.226	23.76	0.238	23.56	0.227
15	QPSK	1	37	23.61	0.230	23.67	0.233	23.66	0.232
15	QPSK	1	74	23.73	0.236	23.74	0.237	23.68	0.233
15	QPSK	36	0	22.81	0.191	22.77	0.189	22.79	0.190
15	QPSK	36	20	22.52	0.179	22.58	0.181	22.79	0.190
15	QPSK	36	39	22.60	0.182	22.63	0.183	22.68	0.185
15	QPSK	75	0	22.57	0.181	22.87	0.194	22.79	0.190
15	16QAM	1	0	22.84	0.192	22.84	0.192	22.67	0.185
15	16QAM	1	37	22.83	0.192	22.77	0.189	22.75	0.188
15	16QAM	1	74	22.68	0.185	22.58	0.181	22.69	0.186
15	16QAM	36	0	21.69	0.148	21.89	0.155	21.81	0.152
15	16QAM	36	20	21.81	0.152	21.91	0.155	21.75	0.150
15	16QAM	36	39	21.66	0.147	21.60	0.145	21.83	0.152
15	16QAM	75	0	21.68	0.147	21.61	0.145	21.65	0.146
15	64QAM	1	0	21.55	0.143	21.81	0.152	21.71	0.148
15	64QAM	1	37	21.74	0.149	21.69	0.148	21.81	0.152
15	64QAM	1	74	21.60	0.145	21.73	0.149	21.56	0.143
15	64QAM	36	0	20.87	0.122	20.91	0.123	20.73	0.118
15	64QAM	36	20	20.89	0.123	20.93	0.124	20.86	0.122
15	64QAM	36	39	20.73	0.118	20.71	0.118	20.64	0.116
15	64QAM	75	0	20.87	0.122	20.77	0.119	20.86	0.122



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.57	0.228	23.78	0.239	23.74	0.237
10	QPSK	1	25	23.55	0.226	23.58	0.228	23.71	0.235
10	QPSK	1	49	23.70	0.234	23.58	0.228	23.71	0.235
10	QPSK	25	0	22.91	0.195	22.85	0.193	22.58	0.181
10	QPSK	25	12	22.56	0.180	22.67	0.185	22.82	0.191
10	QPSK	25	25	22.77	0.189	22.89	0.195	23.06	0.202
10	QPSK	50	0	22.64	0.184	22.72	0.187	22.56	0.180
10	16QAM	1	0	22.80	0.191	22.76	0.189	22.96	0.198
10	16QAM	1	25	22.81	0.191	22.80	0.191	22.92	0.196
10	16QAM	1	49	22.66	0.185	22.83	0.192	22.78	0.190
10	16QAM	25	0	21.75	0.150	21.84	0.153	21.77	0.150
10	16QAM	25	12	21.76	0.150	21.89	0.155	21.75	0.150
10	16QAM	25	25	21.55	0.143	21.74	0.149	21.86	0.153
10	16QAM	50	0	21.61	0.145	21.56	0.143	21.81	0.152
10	64QAM	1	0	21.76	0.150	21.81	0.152	21.66	0.147
10	64QAM	1	25	21.83	0.152	21.81	0.152	21.75	0.150
10	64QAM	1	49	21.73	0.149	21.75	0.150	21.69	0.148
10	64QAM	25	0	20.76	0.119	20.71	0.118	20.71	0.118
10	64QAM	25	12	20.69	0.117	20.72	0.118	20.52	0.113
10	64QAM	25	25	20.74	0.119	20.89	0.123	20.84	0.121
10	64QAM	50	0	20.72	0.118	20.70	0.117	20.74	0.119



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.68	0.233	23.77	0.238	23.71	0.235
5	QPSK	1	12	23.65	0.232	23.69	0.234	23.65	0.232
5	QPSK	1	24	23.60	0.229	23.57	0.228	23.64	0.231
5	QPSK	12	0	22.86	0.193	22.78	0.190	22.79	0.190
5	QPSK	12	7	22.79	0.190	22.91	0.195	22.75	0.188
5	QPSK	12	13	22.62	0.183	22.79	0.190	22.68	0.185
5	QPSK	25	0	22.54	0.179	22.82	0.191	22.66	0.185
5	16QAM	1	0	22.70	0.186	22.89	0.195	22.88	0.194
5	16QAM	1	12	22.92	0.196	22.81	0.191	22.67	0.185
5	16QAM	1	24	22.80	0.191	22.75	0.188	22.98	0.199
5	16QAM	12	0	21.56	0.143	21.84	0.153	21.91	0.155
5	16QAM	12	7	21.58	0.144	21.72	0.149	21.60	0.145
5	16QAM	12	13	21.58	0.144	21.82	0.152	21.77	0.150
5	16QAM	25	0	21.69	0.148	21.56	0.143	21.82	0.152
5	64QAM	1	0	21.83	0.152	21.84	0.153	21.94	0.156
5	64QAM	1	12	21.67	0.147	21.79	0.151	21.68	0.147
5	64QAM	1	24	21.60	0.145	21.64	0.146	21.54	0.143
5	64QAM	12	0	20.62	0.115	20.66	0.116	20.90	0.123
5	64QAM	12	7	20.65	0.116	20.69	0.117	20.77	0.119
5	64QAM	12	13	20.63	0.116	20.72	0.118	20.60	0.115
5	64QAM	25	0	20.66	0.116	20.66	0.116	20.80	0.120



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	23.71	0.235	23.75	0.237	23.68	0.233
3	QPSK	1	8	23.55	0.226	23.59	0.229	23.67	0.233
3	QPSK	1	14	23.68	0.233	23.56	0.227	23.69	0.234
3	QPSK	8	0	22.72	0.187	22.84	0.192	22.68	0.185
3	QPSK	8	4	22.69	0.186	22.70	0.186	22.94	0.197
3	QPSK	8	7	22.87	0.194	22.63	0.183	22.91	0.195
3	QPSK	15	0	22.75	0.188	22.74	0.188	22.59	0.182
3	16QAM	1	0	22.66	0.185	22.82	0.191	22.71	0.187
3	16QAM	1	8	22.83	0.192	22.70	0.186	22.57	0.181
3	16QAM	1	14	22.64	0.184	22.81	0.191	22.68	0.185
3	16QAM	8	0	21.74	0.149	21.76	0.150	21.78	0.151
3	16QAM	8	4	21.73	0.149	21.76	0.150	21.75	0.150
3	16QAM	8	7	21.81	0.152	21.68	0.147	21.72	0.149
3	16QAM	15	0	21.73	0.149	21.55	0.143	21.79	0.151
3	64QAM	1	0	21.79	0.151	21.75	0.150	21.74	0.149
3	64QAM	1	8	21.77	0.150	21.78	0.151	21.68	0.147
3	64QAM	1	14	21.56	0.143	21.79	0.151	21.64	0.146
3	64QAM	8	0	20.93	0.124	20.95	0.124	20.87	0.122
3	64QAM	8	4	20.78	0.120	20.81	0.121	20.55	0.114
3	64QAM	8	7	20.79	0.120	20.75	0.119	20.66	0.116
3	64QAM	15	0	20.84	0.121	20.86	0.122	20.80	0.120



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	23.54	0.226	23.76	0.238	23.53	0.225
1.4	QPSK	1	3	23.56	0.227	23.58	0.228	23.64	0.231
1.4	QPSK	1	5	23.54	0.226	23.56	0.227	23.60	0.229
1.4	QPSK	3	0	22.73	0.187	22.66	0.185	22.58	0.181
1.4	QPSK	3	1	22.69	0.186	22.56	0.180	22.96	0.198
1.4	QPSK	3	3	22.67	0.185	22.66	0.185	22.68	0.185
1.4	QPSK	6	0	22.57	0.181	22.65	0.184	22.54	0.179
1.4	16QAM	1	0	22.83	0.192	22.89	0.195	22.70	0.186
1.4	16QAM	1	3	22.78	0.190	22.82	0.191	22.57	0.181
1.4	16QAM	1	5	22.67	0.185	22.60	0.182	22.85	0.193
1.4	16QAM	3	0	21.92	0.156	21.85	0.153	21.83	0.152
1.4	16QAM	3	1	21.91	0.155	21.89	0.155	21.79	0.151
1.4	16QAM	3	3	21.73	0.149	21.83	0.152	21.70	0.148
1.4	16QAM	6	0	21.64	0.146	21.72	0.149	21.70	0.148
1.4	64QAM	1	0	21.87	0.154	21.93	0.156	21.77	0.150
1.4	64QAM	1	3	21.83	0.152	21.85	0.153	21.87	0.154
1.4	64QAM	1	5	21.59	0.144	21.73	0.149	21.57	0.144
1.4	64QAM	3	0	20.84	0.121	20.84	0.121	20.72	0.118
1.4	64QAM	3	1	20.93	0.124	20.79	0.120	20.87	0.122
1.4	64QAM	3	3	20.76	0.119	20.83	0.121	20.88	0.122
1.4	64QAM	6	0	20.75	0.119	20.94	0.124	20.79	0.120



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.40	0.110	20.45	0.111	20.37	0.109
10	QPSK	1	25	20.34	0.108	20.42	0.110	20.35	0.108
10	QPSK	1	49	20.30	0.107	20.37	0.109	20.34	0.108
10	QPSK	25	0	19.57	0.091	19.58	0.091	19.50	0.089
10	QPSK	25	12	19.31	0.085	19.31	0.085	19.58	0.091
10	QPSK	25	25	19.58	0.091	19.36	0.086	19.61	0.091
10	QPSK	50	0	19.60	0.091	19.60	0.091	19.55	0.090
10	16QAM	1	0	19.59	0.091	19.61	0.091	19.50	0.089
10	16QAM	1	25	19.51	0.089	19.59	0.091	19.35	0.086
10	16QAM	1	49	19.49	0.089	19.34	0.086	19.44	0.088
10	16QAM	25	0	18.43	0.070	18.63	0.073	18.66	0.073
10	16QAM	25	12	18.56	0.072	18.57	0.072	18.40	0.069
10	16QAM	25	25	18.50	0.071	18.45	0.070	18.53	0.071
10	16QAM	50	0	18.40	0.069	18.28	0.067	18.37	0.069
10	64QAM	1	0	18.45	0.070	18.56	0.072	18.47	0.070
10	64QAM	1	25	18.40	0.069	18.57	0.072	18.44	0.070
10	64QAM	1	49	18.49	0.071	18.35	0.068	18.36	0.069
10	64QAM	25	0	17.50	0.056	17.48	0.056	17.52	0.056
10	64QAM	25	12	17.56	0.057	17.62	0.058	17.54	0.057
10	64QAM	25	25	17.43	0.055	17.72	0.059	17.51	0.056
10	64QAM	50	0	17.54	0.057	17.53	0.057	17.58	0.057



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.38	0.109	20.43	0.110	20.36	0.109
5	QPSK	1	12	20.34	0.108	20.34	0.108	20.38	0.109
5	QPSK	1	24	20.32	0.108	20.31	0.107	20.35	0.108
5	QPSK	12	0	19.64	0.092	19.57	0.091	19.36	0.086
5	QPSK	12	7	19.35	0.086	19.32	0.086	19.49	0.089
5	QPSK	12	13	19.45	0.088	19.41	0.087	19.60	0.091
5	QPSK	25	0	19.60	0.091	19.41	0.087	19.42	0.087
5	16QAM	1	0	19.47	0.089	19.59	0.091	19.52	0.090
5	16QAM	1	12	19.48	0.089	19.55	0.090	19.44	0.088
5	16QAM	1	24	19.41	0.087	19.36	0.086	19.41	0.087
5	16QAM	12	0	18.49	0.071	18.60	0.072	18.50	0.071
5	16QAM	12	7	18.45	0.070	18.52	0.071	18.48	0.070
5	16QAM	12	13	18.38	0.069	18.49	0.071	18.59	0.072
5	16QAM	25	0	18.37	0.069	18.48	0.070	18.48	0.070
5	64QAM	1	0	18.55	0.072	18.64	0.073	18.37	0.069
5	64QAM	1	12	18.63	0.073	18.46	0.070	18.45	0.070
5	64QAM	1	24	18.32	0.068	18.43	0.070	18.36	0.069
5	64QAM	12	0	17.37	0.055	17.52	0.056	17.39	0.055
5	64QAM	12	7	17.38	0.055	17.44	0.055	17.39	0.055
5	64QAM	12	13	17.48	0.056	17.45	0.056	17.54	0.057
5	64QAM	25	0	17.35	0.054	17.47	0.056	17.42	0.055



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.38	0.109	20.41	0.110	20.32	0.108
3	QPSK	1	8	20.39	0.109	20.31	0.107	20.35	0.108
3	QPSK	1	14	20.36	0.109	20.30	0.107	20.33	0.108
3	QPSK	8	0	19.45	0.088	19.58	0.091	19.48	0.089
3	QPSK	8	4	19.53	0.090	19.50	0.089	19.35	0.086
3	QPSK	8	7	19.53	0.090	19.47	0.089	19.43	0.088
3	QPSK	15	0	19.50	0.089	19.30	0.085	19.61	0.091
3	16QAM	1	0	19.52	0.090	19.56	0.090	19.47	0.089
3	16QAM	1	8	19.55	0.090	19.53	0.090	19.42	0.087
3	16QAM	1	14	19.32	0.086	19.27	0.085	19.46	0.088
3	16QAM	8	0	18.58	0.072	18.65	0.073	18.54	0.071
3	16QAM	8	4	18.50	0.071	18.46	0.070	18.44	0.070
3	16QAM	8	7	18.33	0.068	18.43	0.070	18.38	0.069
3	16QAM	15	0	18.28	0.067	18.34	0.068	18.33	0.068
3	64QAM	1	0	18.51	0.071	18.60	0.072	18.59	0.072
3	64QAM	1	8	18.49	0.071	18.52	0.071	18.51	0.071
3	64QAM	1	14	18.30	0.068	18.50	0.071	18.39	0.069
3	64QAM	8	0	17.37	0.055	17.48	0.056	17.38	0.055
3	64QAM	8	4	17.42	0.055	17.44	0.055	17.57	0.057
3	64QAM	8	7	17.47	0.056	17.65	0.058	17.48	0.056
3	64QAM	15	0	17.58	0.057	17.63	0.058	17.62	0.058



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.34	0.108	20.42	0.110	20.36	0.109
1.4	QPSK	1	3	20.38	0.109	20.40	0.110	20.38	0.109
1.4	QPSK	1	5	20.35	0.108	20.30	0.107	20.34	0.108
1.4	QPSK	3	0	19.53	0.090	19.42	0.087	19.62	0.092
1.4	QPSK	3	1	19.32	0.086	19.42	0.087	19.55	0.090
1.4	QPSK	3	3	19.53	0.090	19.37	0.086	19.39	0.087
1.4	QPSK	6	0	19.33	0.086	19.40	0.087	19.42	0.087
1.4	16QAM	1	0	19.48	0.089	19.44	0.088	19.55	0.090
1.4	16QAM	1	3	19.38	0.087	19.50	0.089	19.58	0.091
1.4	16QAM	1	5	19.48	0.089	19.34	0.086	19.38	0.087
1.4	16QAM	3	0	18.43	0.070	18.63	0.073	18.67	0.074
1.4	16QAM	3	1	18.58	0.072	18.65	0.073	18.35	0.068
1.4	16QAM	3	3	18.34	0.068	18.43	0.070	18.36	0.069
1.4	16QAM	6	0	18.32	0.068	18.46	0.070	18.37	0.069
1.4	64QAM	1	0	18.64	0.073	18.67	0.074	18.41	0.069
1.4	64QAM	1	3	18.47	0.070	18.53	0.071	18.45	0.070
1.4	64QAM	1	5	18.36	0.069	18.61	0.073	18.34	0.068
1.4	64QAM	3	0	17.61	0.058	17.65	0.058	17.63	0.058
1.4	64QAM	3	1	17.43	0.055	17.36	0.054	17.53	0.057
1.4	64QAM	3	3	17.58	0.057	17.58	0.057	17.39	0.055
1.4	64QAM	6	0	17.35	0.054	17.57	0.057	17.51	0.056



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20850		21100		21350	
Frequency (MHz)				2510		2535		2560	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.19	0.208	23.35	0.216	23.25	0.211
20	QPSK	1	49	23.17	0.207	23.19	0.208	23.17	0.207
20	QPSK	1	99	23.23	0.210	23.14	0.206	23.25	0.211
20	QPSK	50	0	22.31	0.170	22.44	0.175	22.25	0.168
20	QPSK	50	24	22.20	0.166	22.26	0.168	22.34	0.171
20	QPSK	50	50	22.35	0.172	22.34	0.171	22.43	0.175
20	QPSK	100	0	22.24	0.167	22.24	0.167	22.23	0.167
20	16QAM	1	0	22.41	0.174	22.48	0.177	22.41	0.174
20	16QAM	1	49	22.48	0.177	22.43	0.175	22.31	0.170
20	16QAM	1	99	22.18	0.165	22.20	0.166	22.43	0.175
20	16QAM	50	0	21.19	0.132	21.51	0.142	21.46	0.140
20	16QAM	50	24	21.29	0.135	21.44	0.139	21.18	0.131
20	16QAM	50	50	21.20	0.132	21.21	0.132	21.34	0.136
20	16QAM	100	0	21.24	0.133	21.16	0.131	21.18	0.131
20	64QAM	1	0	21.25	0.133	21.49	0.141	21.37	0.137
20	64QAM	1	49	21.44	0.139	21.36	0.137	21.41	0.138
20	64QAM	1	99	21.10	0.129	21.46	0.140	21.15	0.130
20	64QAM	50	0	20.52	0.113	20.36	0.109	20.46	0.111
20	64QAM	50	24	20.32	0.108	20.36	0.109	20.23	0.105
20	64QAM	50	50	20.50	0.112	20.40	0.110	20.39	0.109
20	64QAM	100	0	20.24	0.106	20.57	0.114	20.46	0.111



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20825		21100		21375	
Frequency (MHz)				2507.5		2535		2562.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.17	0.207	23.29	0.213	23.12	0.205
15	QPSK	1	37	23.16	0.207	23.21	0.209	23.25	0.211
15	QPSK	1	74	23.22	0.210	23.19	0.208	23.21	0.209
15	QPSK	36	0	22.20	0.166	22.48	0.177	22.38	0.173
15	QPSK	36	20	22.17	0.165	22.31	0.170	22.41	0.174
15	QPSK	36	39	22.25	0.168	22.26	0.168	22.24	0.167
15	QPSK	75	0	22.28	0.169	22.20	0.166	22.28	0.169
15	16QAM	1	0	22.42	0.175	22.38	0.173	22.40	0.174
15	16QAM	1	37	22.45	0.176	22.48	0.177	22.18	0.165
15	16QAM	1	74	22.18	0.165	22.45	0.176	22.30	0.170
15	16QAM	36	0	21.37	0.137	21.45	0.140	21.29	0.135
15	16QAM	36	20	21.33	0.136	21.29	0.135	21.35	0.136
15	16QAM	36	39	21.32	0.136	21.28	0.134	21.24	0.133
15	16QAM	75	0	21.29	0.135	21.25	0.133	21.19	0.132
15	64QAM	1	0	21.34	0.136	21.53	0.142	21.25	0.133
15	64QAM	1	37	21.35	0.136	21.47	0.140	21.47	0.140
15	64QAM	1	74	21.23	0.133	21.46	0.140	21.39	0.138
15	64QAM	36	0	20.50	0.112	20.35	0.108	20.56	0.114
15	64QAM	36	20	20.37	0.109	20.43	0.110	20.31	0.107
15	64QAM	36	39	20.43	0.110	20.52	0.113	20.24	0.106
15	64QAM	75	0	20.43	0.110	20.42	0.110	20.49	0.112



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20800		21100		21400	
Frequency (MHz)				2505		2535		2565	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.23	0.210	23.30	0.214	23.22	0.210
10	QPSK	1	25	23.24	0.211	23.28	0.213	23.13	0.206
10	QPSK	1	49	23.20	0.209	23.16	0.207	23.25	0.211
10	QPSK	25	0	22.29	0.169	22.41	0.174	22.31	0.170
10	QPSK	25	12	22.11	0.163	22.35	0.172	22.31	0.170
10	QPSK	25	25	22.43	0.175	22.45	0.176	22.20	0.166
10	QPSK	50	0	22.21	0.166	22.26	0.168	22.39	0.173
10	16QAM	1	0	22.35	0.172	22.34	0.171	22.37	0.173
10	16QAM	1	25	22.25	0.168	22.35	0.172	22.21	0.166
10	16QAM	1	49	22.25	0.168	22.30	0.170	22.34	0.171
10	16QAM	25	0	21.43	0.139	21.39	0.138	21.44	0.139
10	16QAM	25	12	21.30	0.135	21.26	0.134	21.40	0.138
10	16QAM	25	25	21.42	0.139	21.33	0.136	21.50	0.141
10	16QAM	50	0	21.31	0.135	21.02	0.126	21.32	0.136
10	64QAM	1	0	21.40	0.138	21.54	0.143	21.44	0.139
10	64QAM	1	25	21.35	0.136	21.21	0.132	21.59	0.144
10	64QAM	1	49	21.21	0.132	21.50	0.141	21.38	0.137
10	64QAM	25	0	20.34	0.108	20.45	0.111	20.58	0.114
10	64QAM	25	12	20.57	0.114	20.46	0.111	20.26	0.106
10	64QAM	25	25	20.58	0.114	20.45	0.111	20.33	0.108
10	64QAM	50	0	20.27	0.106	20.36	0.109	20.37	0.109



LTE Band 7				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20775		21100		21425	
Frequency (MHz)				2502.5		2535		2567.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.26	0.212	23.31	0.214	23.18	0.208
5	QPSK	1	12	23.21	0.209	23.25	0.211	23.30	0.214
5	QPSK	1	24	23.24	0.211	23.12	0.205	23.27	0.212
5	QPSK	12	0	22.34	0.171	22.47	0.177	22.27	0.169
5	QPSK	12	7	22.17	0.165	22.17	0.165	22.32	0.171
5	QPSK	12	13	22.46	0.176	22.46	0.176	22.33	0.171
5	QPSK	25	0	22.37	0.173	22.11	0.163	22.13	0.163
5	16QAM	1	0	22.44	0.175	22.48	0.177	22.45	0.176
5	16QAM	1	12	22.44	0.175	22.44	0.175	22.20	0.166
5	16QAM	1	24	22.15	0.164	22.23	0.167	22.35	0.172
5	16QAM	12	0	21.13	0.130	21.50	0.141	21.38	0.137
5	16QAM	12	7	21.37	0.137	21.29	0.135	21.27	0.134
5	16QAM	12	13	21.26	0.134	21.27	0.134	21.21	0.132
5	16QAM	25	0	21.30	0.135	21.41	0.138	21.21	0.132
5	64QAM	1	0	21.33	0.136	21.38	0.137	21.49	0.141
5	64QAM	1	12	21.52	0.142	21.32	0.136	21.27	0.134
5	64QAM	1	24	21.22	0.132	21.33	0.136	21.23	0.133
5	64QAM	12	0	20.44	0.111	20.33	0.108	20.36	0.109
5	64QAM	12	7	20.40	0.110	20.32	0.108	20.21	0.105
5	64QAM	12	13	20.39	0.109	20.48	0.112	20.46	0.111
5	64QAM	25	0	20.25	0.106	20.38	0.109	20.58	0.114



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	20.62	0.115	20.73	0.118	20.68	0.117
10	QPSK	1	25	20.61	0.115	20.60	0.115	20.67	0.117
10	QPSK	1	49	20.57	0.114	20.60	0.115	20.65	0.116
10	QPSK	25	0	19.78	0.095	19.89	0.097	19.62	0.092
10	QPSK	25	12	19.76	0.095	19.80	0.095	19.70	0.093
10	QPSK	25	25	19.66	0.092	19.85	0.097	19.88	0.097
10	QPSK	50	0	19.66	0.092	19.78	0.095	19.63	0.092
10	16QAM	1	0	19.84	0.096	19.80	0.095	19.76	0.095
10	16QAM	1	25	19.93	0.098	19.68	0.093	19.67	0.093
10	16QAM	1	49	19.59	0.091	19.72	0.094	19.71	0.094
10	16QAM	25	0	18.87	0.077	18.95	0.079	18.91	0.078
10	16QAM	25	12	18.77	0.075	18.79	0.076	18.74	0.075
10	16QAM	25	25	18.83	0.076	18.68	0.074	18.87	0.077
10	16QAM	50	0	18.67	0.074	18.71	0.074	18.54	0.071
10	64QAM	1	0	18.55	0.072	18.96	0.079	18.95	0.079
10	64QAM	1	25	18.81	0.076	18.77	0.075	18.94	0.078
10	64QAM	1	49	18.72	0.074	18.76	0.075	18.67	0.074
10	64QAM	25	0	17.72	0.059	17.82	0.061	17.67	0.058
10	64QAM	25	12	17.69	0.059	17.63	0.058	17.64	0.058
10	64QAM	25	25	17.96	0.063	17.69	0.059	17.75	0.060
10	64QAM	50	0	17.66	0.058	17.67	0.058	17.81	0.060



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	20.66	0.116	20.71	0.118	20.67	0.117
5	QPSK	1	12	20.58	0.114	20.58	0.114	20.62	0.115
5	QPSK	1	24	20.62	0.115	20.63	0.116	20.65	0.116
5	QPSK	12	0	19.62	0.092	19.80	0.095	19.84	0.096
5	QPSK	12	7	19.90	0.098	19.65	0.092	19.82	0.096
5	QPSK	12	13	19.67	0.093	19.93	0.098	19.89	0.097
5	QPSK	25	0	19.60	0.091	19.86	0.097	19.64	0.092
5	16QAM	1	0	19.72	0.094	19.86	0.097	19.72	0.094
5	16QAM	1	12	19.78	0.095	19.76	0.095	19.78	0.095
5	16QAM	1	24	19.79	0.095	19.60	0.091	19.73	0.094
5	16QAM	12	0	18.86	0.077	18.77	0.075	18.88	0.077
5	16QAM	12	7	18.83	0.076	18.67	0.074	18.69	0.074
5	16QAM	12	13	18.63	0.073	18.67	0.074	18.84	0.077
5	16QAM	25	0	18.64	0.073	18.74	0.075	18.63	0.073
5	64QAM	1	0	18.67	0.074	18.84	0.077	18.83	0.076
5	64QAM	1	12	18.79	0.076	18.89	0.077	18.71	0.074
5	64QAM	1	24	18.68	0.074	18.82	0.076	18.60	0.072
5	64QAM	12	0	17.87	0.061	17.83	0.061	17.82	0.061
5	64QAM	12	7	17.67	0.058	17.77	0.060	17.67	0.058
5	64QAM	12	13	17.80	0.060	17.78	0.060	17.64	0.058
5	64QAM	25	0	17.69	0.059	17.74	0.059	17.90	0.062



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	20.62	0.115	20.69	0.117	20.68	0.117
3	QPSK	1	8	20.60	0.115	20.61	0.115	20.57	0.114
3	QPSK	1	14	20.58	0.114	20.64	0.116	20.64	0.116
3	QPSK	8	0	19.87	0.097	19.85	0.097	19.70	0.093
3	QPSK	8	4	19.63	0.092	19.67	0.093	19.81	0.096
3	QPSK	8	7	19.70	0.093	19.68	0.093	19.62	0.092
3	QPSK	15	0	19.75	0.094	19.64	0.092	19.73	0.094
3	16QAM	1	0	19.79	0.095	19.84	0.096	19.74	0.094
3	16QAM	1	8	19.84	0.096	19.84	0.096	19.65	0.092
3	16QAM	1	14	19.61	0.091	19.74	0.094	19.77	0.095
3	16QAM	8	0	18.71	0.074	18.83	0.076	18.78	0.076
3	16QAM	8	4	18.76	0.075	18.73	0.075	18.72	0.074
3	16QAM	8	7	18.88	0.077	18.75	0.075	18.83	0.076
3	16QAM	15	0	18.85	0.077	18.58	0.072	18.79	0.076
3	64QAM	1	0	18.91	0.078	18.78	0.076	18.91	0.078
3	64QAM	1	8	18.78	0.076	18.89	0.077	18.92	0.078
3	64QAM	1	14	18.65	0.073	18.77	0.075	18.75	0.075
3	64QAM	8	0	17.74	0.059	17.82	0.061	17.77	0.060
3	64QAM	8	4	17.91	0.062	17.89	0.062	17.83	0.061
3	64QAM	8	7	17.82	0.061	18.02	0.063	18.01	0.063
3	64QAM	15	0	17.84	0.061	17.83	0.061	17.84	0.061



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	20.64	0.116	20.70	0.117	20.61	0.115
1.4	QPSK	1	3	20.50	0.112	20.60	0.115	20.66	0.116
1.4	QPSK	1	5	20.53	0.113	20.54	0.113	20.61	0.115
1.4	QPSK	3	0	19.80	0.095	19.82	0.096	19.65	0.092
1.4	QPSK	3	1	19.60	0.091	19.61	0.091	19.69	0.093
1.4	QPSK	3	3	19.74	0.094	19.67	0.093	19.66	0.092
1.4	QPSK	6	0	19.71	0.094	19.75	0.094	19.71	0.094
1.4	16QAM	1	0	19.80	0.095	19.89	0.097	19.71	0.094
1.4	16QAM	1	3	19.82	0.096	19.79	0.095	19.79	0.095
1.4	16QAM	1	5	19.70	0.093	19.65	0.092	19.81	0.096
1.4	16QAM	3	0	18.78	0.076	18.88	0.077	18.61	0.073
1.4	16QAM	3	1	18.61	0.073	18.80	0.076	18.70	0.074
1.4	16QAM	3	3	18.60	0.072	18.84	0.077	18.67	0.074
1.4	16QAM	6	0	18.76	0.075	18.73	0.075	18.58	0.072
1.4	64QAM	1	0	18.82	0.076	18.93	0.078	18.79	0.076
1.4	64QAM	1	3	18.86	0.077	18.87	0.077	18.86	0.077
1.4	64QAM	1	5	18.64	0.073	18.81	0.076	18.72	0.074
1.4	64QAM	3	0	17.82	0.061	17.89	0.062	17.79	0.060
1.4	64QAM	3	1	17.99	0.063	17.88	0.061	17.58	0.057
1.4	64QAM	3	3	17.86	0.061	17.99	0.063	17.77	0.060
1.4	64QAM	6	0	17.94	0.062	17.83	0.061	17.82	0.061



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	20.61	0.115	20.77	0.119	20.70	0.117
10	QPSK	1	25	20.56	0.114	20.75	0.119	20.65	0.116
10	QPSK	1	49	20.76	0.119	20.68	0.117	20.72	0.118
10	QPSK	25	0	19.68	0.093	19.92	0.098	19.80	0.095
10	QPSK	25	12	19.72	0.094	19.84	0.096	19.83	0.096
10	QPSK	25	25	19.91	0.098	19.68	0.093	19.75	0.094
10	QPSK	50	0	19.79	0.095	19.79	0.095	19.82	0.096
10	16QAM	1	0	19.86	0.097	19.93	0.098	19.85	0.097
10	16QAM	1	25	19.80	0.095	19.76	0.095	19.63	0.092
10	16QAM	1	49	19.88	0.097	19.61	0.091	19.84	0.096
10	16QAM	25	0	18.72	0.074	18.73	0.075	18.78	0.076
10	16QAM	25	12	18.69	0.074	18.80	0.076	18.64	0.073
10	16QAM	25	25	18.89	0.077	18.71	0.074	18.85	0.077
10	16QAM	50	0	18.57	0.072	18.82	0.076	18.81	0.076
10	64QAM	1	0	18.60	0.072	18.87	0.077	18.94	0.078
10	64QAM	1	25	18.76	0.075	18.74	0.075	18.89	0.077
10	64QAM	1	49	18.75	0.075	18.90	0.078	18.72	0.074
10	64QAM	25	0	17.80	0.060	17.97	0.063	17.95	0.062
10	64QAM	25	12	17.87	0.061	17.85	0.061	17.79	0.060
10	64QAM	25	25	17.78	0.060	17.70	0.059	17.76	0.060
10	64QAM	50	0	17.85	0.061	17.83	0.061	17.81	0.060



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	20.67	0.117	20.72	0.118	20.61	0.115
5	QPSK	1	12	20.58	0.114	20.64	0.116	20.67	0.117
5	QPSK	1	24	20.61	0.115	20.63	0.116	20.65	0.116
5	QPSK	12	0	19.91	0.098	19.90	0.098	19.92	0.098
5	QPSK	12	7	19.78	0.095	19.87	0.097	19.67	0.093
5	QPSK	12	13	19.74	0.094	19.86	0.097	19.76	0.095
5	QPSK	25	0	19.71	0.094	19.92	0.098	19.83	0.096
5	16QAM	1	0	19.90	0.098	19.85	0.097	19.80	0.095
5	16QAM	1	12	19.84	0.096	19.87	0.097	19.69	0.093
5	16QAM	1	24	19.75	0.094	19.70	0.093	19.68	0.093
5	16QAM	12	0	18.70	0.074	19.00	0.079	18.99	0.079
5	16QAM	12	7	18.80	0.076	19.02	0.080	18.61	0.073
5	16QAM	12	13	18.83	0.076	18.81	0.076	18.86	0.077
5	16QAM	25	0	18.71	0.074	18.59	0.072	18.82	0.076
5	64QAM	1	0	18.83	0.076	19.00	0.079	18.97	0.079
5	64QAM	1	12	18.81	0.076	18.76	0.075	18.79	0.076
5	64QAM	1	24	18.73	0.075	18.88	0.077	18.66	0.073
5	64QAM	12	0	17.72	0.059	17.84	0.061	17.80	0.060
5	64QAM	12	7	17.90	0.062	17.80	0.060	17.65	0.058
5	64QAM	12	13	17.86	0.061	17.86	0.061	17.88	0.061
5	64QAM	25	0	17.78	0.060	17.85	0.061	17.77	0.060



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37850		38000		38150	
Frequency (MHz)				2580		2595		2610	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.34	0.216	23.41	0.219	23.28	0.213
20	QPSK	1	49	23.23	0.210	23.29	0.213	23.14	0.206
20	QPSK	1	99	23.23	0.210	23.20	0.209	23.20	0.209
20	QPSK	50	0	22.37	0.173	22.41	0.174	22.25	0.168
20	QPSK	50	24	22.37	0.173	22.12	0.163	22.28	0.169
20	QPSK	50	50	22.23	0.167	22.19	0.166	22.31	0.170
20	QPSK	100	0	22.25	0.168	22.23	0.167	22.26	0.168
20	16QAM	1	0	22.23	0.167	22.42	0.175	22.39	0.173
20	16QAM	1	49	22.31	0.170	22.36	0.172	22.31	0.170
20	16QAM	1	99	22.29	0.169	22.22	0.167	22.48	0.177
20	16QAM	50	0	21.30	0.135	21.40	0.138	21.35	0.136
20	16QAM	50	24	21.33	0.136	21.33	0.136	21.27	0.134
20	16QAM	50	50	21.32	0.136	21.24	0.133	21.45	0.140
20	16QAM	100	0	21.30	0.135	21.27	0.134	21.37	0.137
20	64QAM	1	0	21.36	0.137	21.50	0.141	21.53	0.142
20	64QAM	1	49	21.35	0.136	21.25	0.133	21.19	0.132
20	64QAM	1	99	21.23	0.133	21.43	0.139	21.15	0.130
20	64QAM	50	0	20.45	0.111	20.45	0.111	20.40	0.110
20	64QAM	50	24	20.31	0.107	20.21	0.105	20.44	0.111
20	64QAM	50	50	20.35	0.108	20.46	0.111	20.33	0.108
20	64QAM	100	0	20.32	0.108	20.28	0.107	20.35	0.108



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37825		38000		38175	
Frequency (MHz)				2577.5		2595		2612.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.19	0.208	23.37	0.217	23.29	0.213
15	QPSK	1	37	23.30	0.214	23.25	0.211	23.35	0.216
15	QPSK	1	74	23.29	0.213	23.33	0.215	23.20	0.209
15	QPSK	36	0	22.41	0.174	22.43	0.175	22.17	0.165
15	QPSK	36	20	22.29	0.169	22.14	0.164	22.39	0.173
15	QPSK	36	39	22.25	0.168	22.41	0.174	22.33	0.171
15	QPSK	75	0	22.40	0.174	22.12	0.163	22.21	0.166
15	16QAM	1	0	22.36	0.172	22.43	0.175	22.32	0.171
15	16QAM	1	37	22.35	0.172	22.32	0.171	22.22	0.167
15	16QAM	1	74	22.13	0.163	22.27	0.169	22.47	0.177
15	16QAM	36	0	21.12	0.129	21.43	0.139	21.43	0.139
15	16QAM	36	20	21.54	0.143	21.44	0.139	21.26	0.134
15	16QAM	36	39	21.18	0.131	21.26	0.134	21.43	0.139
15	16QAM	75	0	21.10	0.129	21.27	0.134	21.19	0.132
15	64QAM	1	0	21.33	0.136	21.47	0.140	21.36	0.137
15	64QAM	1	37	21.37	0.137	21.51	0.142	21.26	0.134
15	64QAM	1	74	21.11	0.129	21.33	0.136	21.28	0.134
15	64QAM	36	0	20.44	0.111	20.42	0.110	20.45	0.111
15	64QAM	36	20	20.38	0.109	20.31	0.107	20.48	0.112
15	64QAM	36	39	20.42	0.110	20.35	0.108	20.31	0.107
15	64QAM	75	0	20.37	0.109	20.42	0.110	20.40	0.110



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37800		38000		38200	
Frequency (MHz)				2575		2595		2615	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.19	0.208	23.38	0.218	23.34	0.216
10	QPSK	1	25	23.29	0.213	23.13	0.206	23.25	0.211
10	QPSK	1	49	23.15	0.207	23.28	0.213	23.36	0.217
10	QPSK	25	0	22.31	0.170	22.42	0.175	22.33	0.171
10	QPSK	25	12	22.41	0.174	22.31	0.170	22.23	0.167
10	QPSK	25	25	22.34	0.171	22.25	0.168	22.26	0.168
10	QPSK	50	0	22.14	0.164	22.27	0.169	22.24	0.167
10	16QAM	1	0	22.45	0.176	22.45	0.176	22.26	0.168
10	16QAM	1	25	22.39	0.173	22.48	0.177	22.33	0.171
10	16QAM	1	49	22.42	0.175	22.36	0.172	22.29	0.169
10	16QAM	25	0	21.22	0.132	21.45	0.140	21.42	0.139
10	16QAM	25	12	21.52	0.142	21.33	0.136	21.18	0.131
10	16QAM	25	25	21.33	0.136	21.30	0.135	21.41	0.138
10	16QAM	50	0	21.15	0.130	21.30	0.135	21.04	0.127
10	64QAM	1	0	21.15	0.130	21.34	0.136	21.29	0.135
10	64QAM	1	25	21.39	0.138	21.25	0.133	21.58	0.144
10	64QAM	1	49	21.27	0.134	21.19	0.132	21.21	0.132
10	64QAM	25	0	20.42	0.110	20.52	0.113	20.44	0.111
10	64QAM	25	12	20.30	0.107	20.26	0.106	20.27	0.106
10	64QAM	25	25	20.36	0.109	20.47	0.111	20.57	0.114
10	64QAM	50	0	20.19	0.104	20.31	0.107	20.51	0.112



LTE Band 38				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				37775		38000		38225	
Frequency (MHz)				2572.5		2595		2617.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.34	0.216	23.39	0.218	23.24	0.211
5	QPSK	1	12	23.20	0.209	23.17	0.207	23.16	0.207
5	QPSK	1	24	23.23	0.210	23.27	0.212	23.23	0.210
5	QPSK	12	0	22.30	0.170	22.41	0.174	22.16	0.164
5	QPSK	12	7	22.25	0.168	22.37	0.173	22.25	0.168
5	QPSK	12	13	22.22	0.167	22.36	0.172	22.29	0.169
5	QPSK	25	0	22.15	0.164	22.25	0.168	22.12	0.163
5	16QAM	1	0	22.29	0.169	22.46	0.176	22.31	0.170
5	16QAM	1	12	22.33	0.171	22.29	0.169	22.33	0.171
5	16QAM	1	24	22.20	0.166	22.27	0.169	22.35	0.172
5	16QAM	12	0	21.24	0.133	21.46	0.140	21.51	0.142
5	16QAM	12	7	21.30	0.135	21.19	0.132	21.22	0.132
5	16QAM	12	13	21.27	0.134	21.26	0.134	21.59	0.144
5	16QAM	25	0	21.46	0.140	21.34	0.136	21.26	0.134
5	64QAM	1	0	21.18	0.131	21.45	0.140	21.52	0.142
5	64QAM	1	12	21.38	0.137	21.23	0.133	21.40	0.138
5	64QAM	1	24	21.28	0.134	21.35	0.136	21.11	0.129
5	64QAM	12	0	20.35	0.108	20.44	0.111	20.41	0.110
5	64QAM	12	7	20.44	0.111	20.28	0.107	20.12	0.103
5	64QAM	12	13	20.50	0.112	20.49	0.112	20.45	0.111
5	64QAM	25	0	20.13	0.103	20.49	0.112	20.35	0.108



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		38750		/	
Frequency (MHz)				/		2310		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	23.70	0.234	/	/
10	QPSK	1	25	/	/	23.65	0.232	/	/
10	QPSK	1	49	/	/	23.68	0.233	/	/
10	QPSK	25	0	/	/	22.77	0.189	/	/
10	QPSK	25	12	/	/	22.75	0.188	/	/
10	QPSK	25	25	/	/	22.66	0.185	/	/
10	QPSK	50	0	/	/	22.70	0.186	/	/
10	16QAM	1	0	/	/	22.79	0.190	/	/
10	16QAM	1	25	/	/	22.63	0.183	/	/
10	16QAM	1	49	/	/	22.76	0.189	/	/
10	16QAM	25	0	/	/	21.88	0.154	/	/
10	16QAM	25	12	/	/	21.68	0.147	/	/
10	16QAM	25	25	/	/	21.76	0.150	/	/
10	16QAM	50	0	/	/	21.77	0.150	/	/
10	64QAM	1	0	/	/	21.83	0.152	/	/
10	64QAM	1	25	/	/	21.79	0.151	/	/
10	64QAM	1	49	/	/	21.83	0.152	/	/
10	64QAM	25	0	/	/	20.82	0.121	/	/
10	64QAM	25	12	/	/	20.73	0.118	/	/
10	64QAM	25	25	/	/	20.69	0.117	/	/
10	64QAM	50	0	/	/	20.75	0.119	/	/



LTE Band 40, Block A				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				38725		38750		38775	
Frequency (MHz)				2307.5		2310		2312.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.66	0.232	23.68	0.233	23.66	0.232
5	QPSK	1	12	23.62	0.230	23.55	0.226	23.64	0.231
5	QPSK	1	24	23.65	0.232	23.61	0.230	23.55	0.226
5	QPSK	12	0	22.67	0.185	22.80	0.191	22.71	0.187
5	QPSK	12	7	22.81	0.191	22.70	0.186	22.78	0.190
5	QPSK	12	13	22.72	0.187	22.69	0.186	22.79	0.190
5	QPSK	25	0	22.77	0.189	22.73	0.187	22.76	0.189
5	16QAM	1	0	22.99	0.199	22.98	0.199	23.02	0.200
5	16QAM	1	12	22.84	0.192	23.02	0.200	22.73	0.187
5	16QAM	1	24	22.76	0.189	22.91	0.195	22.94	0.197
5	16QAM	12	0	21.83	0.152	21.90	0.155	21.97	0.157
5	16QAM	12	7	21.76	0.150	21.79	0.151	21.79	0.151
5	16QAM	12	13	21.65	0.146	21.77	0.150	21.81	0.152
5	16QAM	25	0	21.88	0.154	21.76	0.150	21.87	0.154
5	64QAM	1	0	21.63	0.146	21.89	0.155	21.84	0.153
5	64QAM	1	12	21.82	0.152	21.99	0.158	21.78	0.151
5	64QAM	1	24	21.67	0.147	21.83	0.152	21.71	0.148
5	64QAM	12	0	20.99	0.126	20.80	0.120	20.91	0.123
5	64QAM	12	7	20.89	0.123	20.86	0.122	20.90	0.123
5	64QAM	12	13	20.88	0.122	21.01	0.126	20.76	0.119
5	64QAM	25	0	20.79	0.120	20.89	0.123	20.85	0.122



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		39200		/	
Frequency (MHz)				/		2355		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	23.75	0.237	/	/
10	QPSK	1	25	/	/	23.68	0.233	/	/
10	QPSK	1	49	/	/	23.70	0.234	/	/
10	QPSK	25	0	/	/	22.69	0.186	/	/
10	QPSK	25	12	/	/	22.66	0.185	/	/
10	QPSK	25	25	/	/	22.61	0.182	/	/
10	QPSK	50	0	/	/	22.64	0.184	/	/
10	16QAM	1	0	/	/	22.82	0.191	/	/
10	16QAM	1	25	/	/	22.69	0.186	/	/
10	16QAM	1	49	/	/	22.75	0.188	/	/
10	16QAM	25	0	/	/	21.76	0.150	/	/
10	16QAM	25	12	/	/	21.66	0.147	/	/
10	16QAM	25	25	/	/	21.71	0.148	/	/
10	16QAM	50	0	/	/	21.70	0.148	/	/
10	64QAM	1	0	/	/	21.69	0.148	/	/
10	64QAM	1	25	/	/	21.73	0.149	/	/
10	64QAM	1	49	/	/	21.65	0.146	/	/
10	64QAM	25	0	/	/	20.84	0.121	/	/
10	64QAM	25	12	/	/	20.83	0.121	/	/
10	64QAM	25	25	/	/	20.69	0.117	/	/
10	64QAM	50	0	/	/	20.76	0.119	/	/



LTE Band 40, Block B				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39175		39200		39225	
Frequency (MHz)				2352.5		2355		2357.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.64	0.231	23.73	0.236	23.69	0.234
5	QPSK	1	12	23.67	0.233	23.71	0.235	23.67	0.233
5	QPSK	1	24	23.64	0.231	23.68	0.233	23.64	0.231
5	QPSK	12	0	22.87	0.194	22.79	0.190	22.65	0.184
5	QPSK	12	7	22.82	0.191	22.65	0.184	22.75	0.188
5	QPSK	12	13	22.97	0.198	22.95	0.197	22.75	0.188
5	QPSK	25	0	22.69	0.186	22.69	0.186	22.65	0.184
5	16QAM	1	0	22.78	0.190	22.94	0.197	22.82	0.191
5	16QAM	1	12	22.65	0.184	22.67	0.185	22.74	0.188
5	16QAM	1	24	22.69	0.186	22.78	0.190	22.66	0.185
5	16QAM	12	0	21.64	0.146	21.91	0.155	21.85	0.153
5	16QAM	12	7	21.68	0.147	21.66	0.147	21.66	0.147
5	16QAM	12	13	21.85	0.153	21.66	0.147	21.84	0.153
5	16QAM	25	0	21.63	0.146	21.66	0.147	21.88	0.154
5	64QAM	1	0	21.80	0.151	21.92	0.156	21.85	0.153
5	64QAM	1	12	21.80	0.151	21.74	0.149	21.80	0.151
5	64QAM	1	24	21.68	0.147	21.81	0.152	21.73	0.149
5	64QAM	12	0	20.94	0.124	20.95	0.124	20.98	0.125
5	64QAM	12	7	20.74	0.119	20.82	0.121	20.67	0.117
5	64QAM	12	13	20.80	0.120	20.75	0.119	20.73	0.118
5	64QAM	25	0	20.77	0.119	20.84	0.121	20.84	0.121



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39750		40620		41490	
Frequency (MHz)				2506		2593		2680	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	23.69	0.234	23.82	0.241	23.64	0.231
20	QPSK	1	49	23.69	0.234	23.80	0.240	23.63	0.231
20	QPSK	1	99	23.73	0.236	23.73	0.236	23.68	0.233
20	QPSK	50	0	22.80	0.191	23.04	0.201	22.83	0.192
20	QPSK	50	24	22.67	0.185	22.95	0.197	22.65	0.184
20	QPSK	50	50	22.79	0.190	22.98	0.199	22.97	0.198
20	QPSK	100	0	22.63	0.183	22.98	0.199	22.63	0.183
20	16QAM	1	0	22.90	0.195	23.03	0.201	22.93	0.196
20	16QAM	1	49	22.81	0.191	23.04	0.201	22.86	0.193
20	16QAM	1	99	22.79	0.190	22.94	0.197	22.88	0.194
20	16QAM	50	0	21.77	0.150	21.94	0.156	21.94	0.156
20	16QAM	50	24	21.98	0.158	21.89	0.155	22.03	0.160
20	16QAM	50	50	21.73	0.149	21.69	0.148	21.67	0.147
20	16QAM	100	0	21.87	0.154	21.86	0.153	21.78	0.151
20	64QAM	1	0	21.70	0.148	21.96	0.157	21.89	0.155
20	64QAM	1	49	21.82	0.152	22.03	0.160	21.79	0.151
20	64QAM	1	99	21.70	0.148	22.04	0.160	21.60	0.145
20	64QAM	50	0	20.99	0.126	21.06	0.128	20.95	0.124
20	64QAM	50	24	20.72	0.118	21.07	0.128	20.67	0.117
20	64QAM	50	50	20.88	0.122	20.82	0.121	20.91	0.123
20	64QAM	100	0	20.81	0.121	20.75	0.119	20.61	0.115



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39725		40620		41515	
Frequency (MHz)				2503.5		2593		2682.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	23.70	0.234	23.80	0.240	23.65	0.232
15	QPSK	1	37	23.67	0.233	23.73	0.236	23.70	0.234
15	QPSK	1	74	23.63	0.231	23.62	0.230	23.66	0.232
15	QPSK	36	0	22.70	0.186	23.02	0.200	22.91	0.195
15	QPSK	36	20	22.73	0.187	22.84	0.192	22.58	0.181
15	QPSK	36	39	22.96	0.198	22.91	0.195	22.77	0.189
15	QPSK	75	0	22.67	0.185	22.87	0.194	22.95	0.197
15	16QAM	1	0	22.83	0.192	22.93	0.196	22.76	0.189
15	16QAM	1	37	22.84	0.192	22.91	0.195	22.93	0.196
15	16QAM	1	74	22.77	0.189	22.81	0.191	22.82	0.191
15	16QAM	36	0	21.63	0.146	21.95	0.157	21.78	0.151
15	16QAM	36	20	21.80	0.151	21.83	0.152	21.81	0.152
15	16QAM	36	39	21.66	0.147	21.92	0.156	21.77	0.150
15	16QAM	75	0	21.63	0.146	21.63	0.146	21.71	0.148
15	64QAM	1	0	21.76	0.150	21.99	0.158	21.62	0.145
15	64QAM	1	37	21.85	0.153	21.89	0.155	21.83	0.152
15	64QAM	1	74	21.85	0.153	21.85	0.153	21.61	0.145
15	64QAM	36	0	20.85	0.122	21.04	0.127	20.78	0.120
15	64QAM	36	20	20.71	0.118	20.91	0.123	20.82	0.121
15	64QAM	36	39	20.91	0.123	21.03	0.127	21.06	0.128
15	64QAM	75	0	20.60	0.115	20.92	0.124	20.81	0.121



LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39700		40620		41540	
Frequency (MHz)				2501		2593		2685	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	23.78	0.239	23.79	0.239	23.72	0.236
10	QPSK	1	25	23.71	0.235	23.67	0.233	23.77	0.238
10	QPSK	1	49	23.64	0.231	23.78	0.239	23.75	0.237
10	QPSK	25	0	22.94	0.197	23.00	0.200	22.73	0.187
10	QPSK	25	12	22.91	0.195	22.95	0.197	22.85	0.193
10	QPSK	25	25	22.66	0.185	22.86	0.193	22.87	0.194
10	QPSK	50	0	22.69	0.186	22.76	0.189	22.66	0.185
10	16QAM	1	0	22.88	0.194	22.90	0.195	22.76	0.189
10	16QAM	1	25	22.88	0.194	22.95	0.197	22.89	0.195
10	16QAM	1	49	22.93	0.196	22.70	0.186	22.56	0.180
10	16QAM	25	0	21.93	0.156	21.94	0.156	21.82	0.152
10	16QAM	25	12	21.71	0.148	21.81	0.152	21.83	0.152
10	16QAM	25	25	21.72	0.149	21.69	0.148	21.58	0.144
10	16QAM	50	0	21.62	0.145	21.71	0.148	21.93	0.156
10	64QAM	1	0	21.75	0.150	21.88	0.154	21.77	0.150
10	64QAM	1	25	21.88	0.154	21.85	0.153	21.81	0.152
10	64QAM	1	49	21.72	0.149	21.97	0.157	21.75	0.150
10	64QAM	25	0	20.74	0.119	20.99	0.126	20.83	0.121
10	64QAM	25	12	21.02	0.126	20.90	0.123	20.88	0.122
10	64QAM	25	25	20.94	0.124	20.91	0.123	21.03	0.127
10	64QAM	50	0	20.87	0.122	20.97	0.125	20.74	0.119



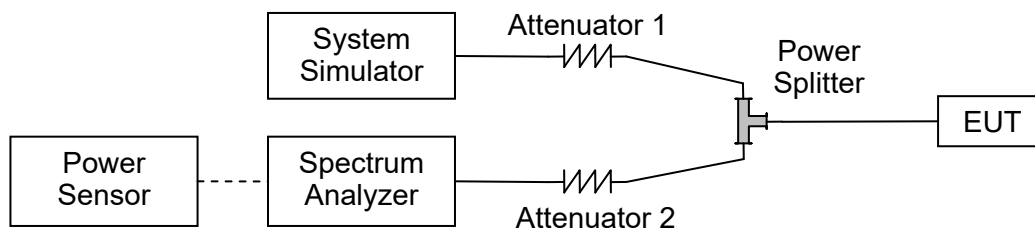
LTE Band 41				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				39675		40620		41565	
Frequency (MHz)				2498.5		2593		2687.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	23.65	0.232	23.76	0.238	23.74	0.237
5	QPSK	1	12	23.65	0.232	23.65	0.232	23.72	0.236
5	QPSK	1	24	23.65	0.232	23.59	0.229	23.65	0.232
5	QPSK	12	0	22.70	0.186	22.98	0.199	22.93	0.196
5	QPSK	12	7	22.87	0.194	22.94	0.197	22.82	0.191
5	QPSK	12	13	22.70	0.186	22.82	0.191	22.96	0.198
5	QPSK	25	0	22.86	0.193	22.88	0.194	22.82	0.191
5	16QAM	1	0	22.94	0.197	22.98	0.199	22.93	0.196
5	16QAM	1	12	22.99	0.199	22.95	0.197	22.95	0.197
5	16QAM	1	24	22.65	0.184	22.68	0.185	22.65	0.184
5	16QAM	12	0	21.80	0.151	21.97	0.157	21.55	0.143
5	16QAM	12	7	21.91	0.155	21.98	0.158	21.94	0.156
5	16QAM	12	13	21.69	0.148	21.63	0.146	21.55	0.143
5	16QAM	25	0	21.60	0.145	21.88	0.154	21.66	0.147
5	64QAM	1	0	21.96	0.157	22.01	0.159	21.82	0.152
5	64QAM	1	12	21.86	0.153	21.85	0.153	21.87	0.154
5	64QAM	1	24	21.59	0.144	22.00	0.158	21.53	0.142
5	64QAM	12	0	21.08	0.128	20.71	0.118	20.72	0.118
5	64QAM	12	7	20.67	0.117	21.05	0.127	20.96	0.125
5	64QAM	12	13	21.03	0.127	20.96	0.125	20.73	0.118
5	64QAM	25	0	20.87	0.122	21.24	0.133	20.61	0.115

2.2. Occupied Bandwidth

2.2.1. Requirement

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

2.2.2. Test Description



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

2.2.3. Test Procedure

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

2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.08	1.23
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.29
	Mid	QPSK	1.09	1.27
	Mid	16QAM	1.10	1.28
	Mid	64QAM	1.10	1.29
	High	QPSK	1.09	1.28
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.30
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	2.96
	Low	64QAM	2.70	3.37
	Mid	QPSK	2.69	2.91
	Mid	16QAM	2.69	2.92
	Mid	64QAM	2.69	2.92
	High	QPSK	2.69	3.00
	High	16QAM	2.69	2.93
	High	64QAM	2.70	2.92
5	Low	QPSK	4.50	4.93
	Low	16QAM	4.51	4.88
	Low	64QAM	4.50	4.94
	Mid	QPSK	4.50	4.91
	Mid	16QAM	4.51	4.91
	Mid	64QAM	4.51	4.95
	High	QPSK	4.50	4.92
	High	16QAM	4.50	4.94
	High	64QAM	4.51	5.20
10	Low	QPSK	9.00	9.74
	Low	16QAM	8.98	9.70
	Low	64QAM	8.99	9.82
	Mid	QPSK	9.00	9.74
	Mid	16QAM	8.98	9.68
	Mid	64QAM	8.99	9.81
	High	QPSK	9.01	9.77
	High	16QAM	8.99	9.92
	High	64QAM	9.01	9.76



15	Low	QPSK	13.46	14.57
	Low	16QAM	13.47	14.49
	Low	64QAM	13.45	14.60
	Mid	QPSK	13.48	14.51
	Mid	16QAM	13.50	14.66
	Mid	64QAM	13.50	14.64
	High	QPSK	13.51	14.64
	High	16QAM	13.51	14.59
	High	64QAM	13.50	14.72
20	Low	QPSK	17.90	19.39
	Low	16QAM	17.94	19.25
	Low	64QAM	17.94	19.35
	Mid	QPSK	18.03	19.51
	Mid	16QAM	18.07	19.52
	Mid	64QAM	18.06	19.44
	High	QPSK	17.98	19.42
	High	16QAM	17.98	19.39
	High	64QAM	18.02	19.41



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.29
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.28
	Mid	QPSK	1.09	1.27
	Mid	16QAM	1.10	1.28
	Mid	64QAM	1.10	1.29
	High	QPSK	1.09	1.26
	High	16QAM	1.10	1.28
	High	64QAM	1.10	1.27
3	Low	QPSK	2.69	2.91
	Low	16QAM	2.70	2.93
	Low	64QAM	2.70	2.92
	Mid	QPSK	2.69	2.93
	Mid	16QAM	2.69	2.92
	Mid	64QAM	2.70	2.92
	High	QPSK	2.69	2.92
	High	16QAM	2.69	2.93
	High	64QAM	2.70	2.92
5	Low	QPSK	4.50	4.94
	Low	16QAM	4.50	4.94
	Low	64QAM	4.51	4.92
	Mid	QPSK	4.49	4.93
	Mid	16QAM	4.50	4.88
	Mid	64QAM	4.51	4.90
	High	QPSK	4.50	4.92
	High	16QAM	4.50	4.91
	High	64QAM	4.50	4.92
10	Low	QPSK	9.01	9.76
	Low	16QAM	8.97	9.73
	Low	64QAM	8.99	9.77
	Mid	QPSK	9.01	9.80
	Mid	16QAM	8.98	9.72
	Mid	64QAM	8.99	9.95
	High	QPSK	9.00	9.75
	High	16QAM	8.99	9.70
	High	64QAM	8.98	9.74



15	Low	QPSK	13.48	14.51
	Low	16QAM	13.49	14.61
	Low	64QAM	13.47	14.57
	Mid	QPSK	13.47	14.62
	Mid	16QAM	13.49	14.63
	Mid	64QAM	13.48	14.62
	High	QPSK	13.51	14.62
	High	16QAM	13.49	14.70
	High	64QAM	13.47	14.68
20	Low	QPSK	18.01	19.38
	Low	16QAM	18.05	19.39
	Low	64QAM	18.01	19.42
	Mid	QPSK	18.01	19.46
	Mid	16QAM	18.05	19.46
	Mid	64QAM	18.03	19.52
	High	QPSK	18.01	19.46
	High	16QAM	18.03	19.51
	High	64QAM	18.01	19.35



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.27
	Low	16QAM	1.10	1.29
	Low	64QAM	1.10	1.29
	Mid	QPSK	1.10	1.28
	Mid	16QAM	1.10	1.31
	Mid	64QAM	1.10	1.31
	High	QPSK	1.09	1.29
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.32
3	Low	QPSK	2.69	2.93
	Low	16QAM	2.69	2.93
	Low	64QAM	2.70	2.92
	Mid	QPSK	2.69	2.91
	Mid	16QAM	2.69	2.93
	Mid	64QAM	2.69	2.91
	High	QPSK	2.69	2.92
	High	16QAM	2.69	2.93
	High	64QAM	2.70	2.93
5	Low	QPSK	4.49	5.02
	Low	16QAM	4.51	5.66
	Low	64QAM	4.50	4.92
	Mid	QPSK	4.49	4.93
	Mid	16QAM	4.50	4.95
	Mid	64QAM	4.51	4.93
	High	QPSK	4.49	4.93
	High	16QAM	4.50	4.93
	High	64QAM	4.50	4.90
10	Low	QPSK	8.99	9.86
	Low	16QAM	8.96	10.04
	Low	64QAM	8.97	9.77
	Mid	QPSK	8.99	9.68
	Mid	16QAM	8.96	9.69
	Mid	64QAM	8.99	9.76
	High	QPSK	9.01	10.35
	High	16QAM	8.99	10.56
	High	64QAM	9.00	9.79



LTE Band 7				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.95
	Low	16QAM	4.50	4.89
	Low	64QAM	4.50	4.94
	Mid	QPSK	4.50	4.93
	Mid	16QAM	4.50	4.90
	Mid	64QAM	4.51	4.93
	High	QPSK	4.50	4.94
	High	16QAM	4.50	4.91
	High	64QAM	4.50	4.94
10	Low	QPSK	8.99	9.74
	Low	16QAM	8.98	9.72
	Low	64QAM	9.00	9.81
	Mid	QPSK	8.99	9.77
	Mid	16QAM	8.99	9.73
	Mid	64QAM	9.00	9.77
	High	QPSK	9.00	9.73
	High	16QAM	8.98	9.75
	High	64QAM	9.00	9.72
15	Low	QPSK	13.48	14.62
	Low	16QAM	13.49	14.66
	Low	64QAM	13.48	14.73
	Mid	QPSK	13.50	14.56
	Mid	16QAM	13.47	14.58
	Mid	64QAM	13.47	14.57
	High	QPSK	13.49	14.56
	High	16QAM	13.48	14.59
	High	64QAM	13.46	14.55
20	Low	QPSK	18.01	19.34
	Low	16QAM	17.96	19.32
	Low	64QAM	17.98	19.34
	Mid	QPSK	18.02	19.37
	Mid	16QAM	17.98	19.39
	Mid	64QAM	18.02	19.54
	High	QPSK	17.97	19.28
	High	16QAM	18.01	19.28
	High	64QAM	18.02	19.18



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.27
	Low	16QAM	1.10	1.28
	Low	64QAM	1.10	1.29
	Mid	QPSK	1.09	1.27
	Mid	16QAM	1.10	1.30
	Mid	64QAM	1.10	1.29
	High	QPSK	1.10	1.26
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.29
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	2.93
	Low	64QAM	2.70	2.92
	Mid	QPSK	2.69	2.93
	Mid	16QAM	2.69	2.92
	Mid	64QAM	2.69	2.91
	High	QPSK	2.69	2.93
	High	16QAM	2.69	2.91
	High	64QAM	2.70	2.92
5	Low	QPSK	4.51	5.20
	Low	16QAM	4.52	5.10
	Low	64QAM	4.53	5.15
	Mid	QPSK	4.52	5.20
	Mid	16QAM	4.51	5.12
	Mid	64QAM	4.53	5.15
	High	QPSK	4.51	5.21
	High	16QAM	4.52	5.16
	High	64QAM	4.53	5.21
10	Low	QPSK	8.99	10.03
	Low	16QAM	8.98	9.96
	Low	64QAM	8.98	10.07
	Mid	QPSK	9.02	9.99
	Mid	16QAM	8.98	9.99
	Mid	64QAM	9.02	10.13
	High	QPSK	9.03	10.08
	High	16QAM	8.99	9.94
	High	64QAM	9.00	10.07



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.15
	Low	16QAM	4.51	5.13
	Low	64QAM	4.52	5.17
	Mid	QPSK	4.51	5.18
	Mid	16QAM	4.51	5.10
	Mid	64QAM	4.53	5.15
	High	QPSK	4.52	5.17
	High	16QAM	4.52	5.09
	High	64QAM	4.53	5.17
10	Low	QPSK	9.03	10.06
	Low	16QAM	8.99	9.98
	Low	64QAM	9.00	10.09
	Mid	QPSK	9.02	10.13
	Mid	16QAM	8.97	9.93
	Mid	64QAM	9.02	10.05
	High	QPSK	9.03	9.98
	High	16QAM	8.98	9.94
	High	64QAM	9.01	10.15



LTE Band 38				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	5.16
	Low	16QAM	4.50	5.10
	Low	64QAM	4.50	4.92
	Mid	QPSK	4.51	4.97
	Mid	16QAM	4.50	5.10
	Mid	64QAM	4.49	4.97
	High	QPSK	4.50	4.96
	High	16QAM	4.50	5.32
	High	64QAM	4.50	4.95
10	Low	QPSK	8.98	9.88
	Low	16QAM	8.98	9.87
	Low	64QAM	8.99	10.04
	Mid	QPSK	8.98	9.90
	Mid	16QAM	8.98	10.11
	Mid	64QAM	9.01	10.70
	High	QPSK	9.01	10.17
	High	16QAM	8.99	9.93
	High	64QAM	9.01	10.79
15	Low	QPSK	13.49	15.29
	Low	16QAM	13.50	15.00
	Low	64QAM	13.46	15.77
	Mid	QPSK	13.47	14.91
	Mid	16QAM	13.50	14.80
	Mid	64QAM	13.46	14.92
	High	QPSK	13.48	14.76
	High	16QAM	13.47	15.95
	High	64QAM	13.48	14.93
20	Low	QPSK	17.98	20.57
	Low	16QAM	17.97	20.18
	Low	64QAM	17.96	19.80
	Mid	QPSK	17.97	19.85
	Mid	16QAM	17.96	19.78
	Mid	64QAM	17.98	19.62
	High	QPSK	17.97	19.76
	High	16QAM	18.01	19.77
	High	64QAM	18.01	20.36

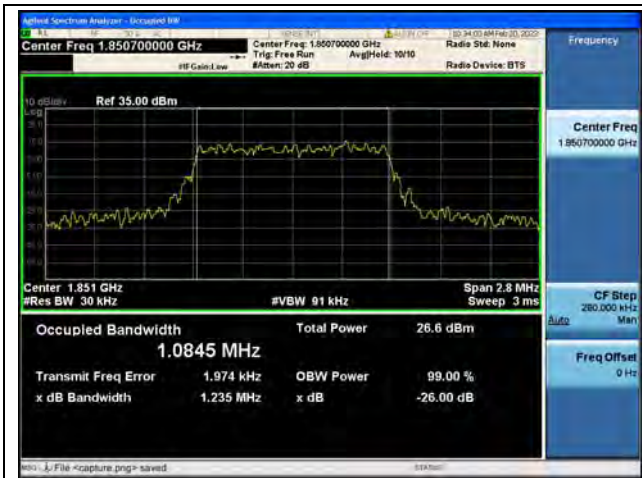


LTE Band 40, Block A				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.51	5.17
	Low	16QAM	4.51	5.10
	Low	64QAM	4.49	5.12
	Mid	QPSK	4.51	5.07
	Mid	16QAM	4.51	5.03
	Mid	64QAM	4.49	5.09
	High	QPSK	4.51	5.17
	High	16QAM	4.51	5.08
10	High	64QAM	4.50	5.01
	Mid	QPSK	9.03	10.17
	Mid	16QAM	9.00	10.03
	Mid	64QAM	9.02	9.98

LTE Band 40, Block B				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.13
	Low	16QAM	4.51	5.05
	Low	64QAM	4.48	4.99
	Mid	QPSK	4.52	5.13
	Mid	16QAM	4.50	5.07
	Mid	64QAM	4.50	5.17
	High	QPSK	4.54	5.19
	High	16QAM	4.50	5.05
	High	64QAM	4.51	5.10
10	Mid	QPSK	9.00	10.26
	Mid	16QAM	8.97	9.85
	Mid	64QAM	9.01	9.88



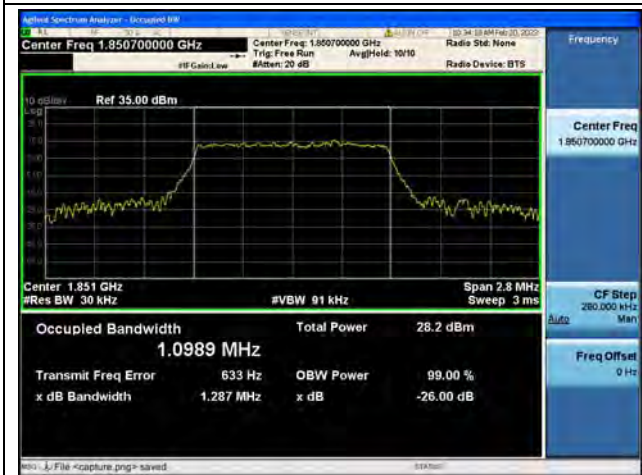
LTE Band 41				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.87
	Low	16QAM	4.50	4.90
	Low	64QAM	4.48	4.87
	Mid	QPSK	4.49	4.92
	Mid	16QAM	4.50	4.86
	Mid	64QAM	4.48	4.90
	High	QPSK	4.49	4.87
	High	16QAM	4.50	4.88
	High	64QAM	4.48	4.87
10	Low	QPSK	8.98	9.75
	Low	16QAM	8.95	10.68
	Low	64QAM	8.98	9.73
	Mid	QPSK	8.99	9.84
	Mid	16QAM	8.98	9.92
	Mid	64QAM	8.97	9.76
	High	QPSK	9.00	9.82
	High	16QAM	8.96	9.72
	High	64QAM	8.97	9.68
15	Low	QPSK	13.52	14.44
	Low	16QAM	13.48	15.76
	Low	64QAM	13.44	14.62
	Mid	QPSK	13.48	14.41
	Mid	16QAM	13.45	14.43
	Mid	64QAM	13.44	14.41
	High	QPSK	13.46	14.59
	High	16QAM	13.47	14.56
	High	64QAM	13.42	15.01
20	Low	QPSK	18.00	20.12
	Low	16QAM	17.95	19.48
	Low	64QAM	17.96	19.58
	Mid	QPSK	17.98	19.41
	Mid	16QAM	17.96	19.29
	Mid	64QAM	17.99	19.48
	High	QPSK	18.01	20.07
	High	16QAM	17.93	19.38
	High	64QAM	17.99	19.53



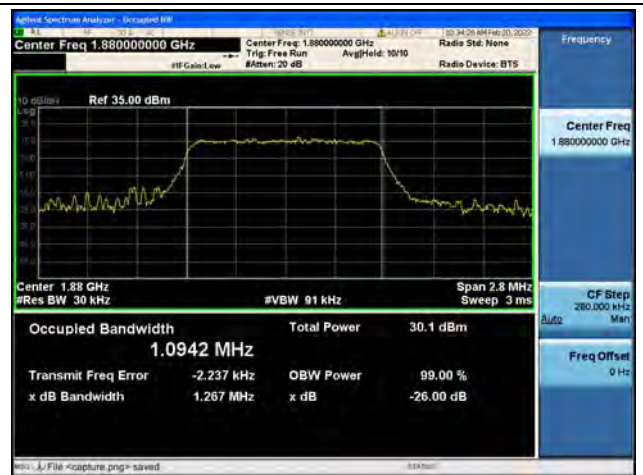
Band2 / 1.4MHz / QPSK/ Low CH



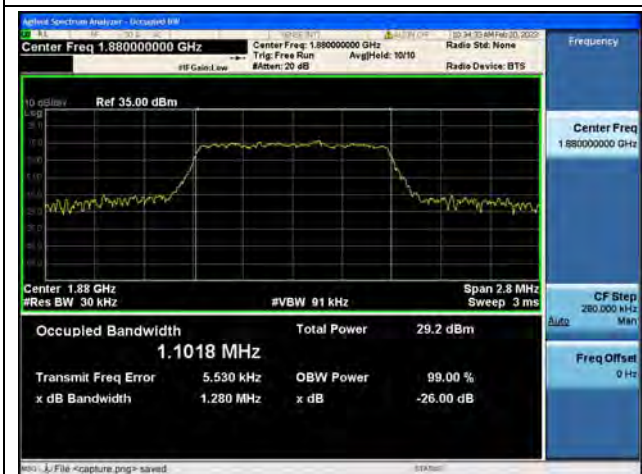
Band2 / 1.4MHz / 16QAM/ Low CH



Band2 / 1.4MHz / 64QAM/ Low CH



Band2 / 1.4MHz / QPSK/ Mid CH



Band2 / 1.4MHz / 16QAM/ Mid CH



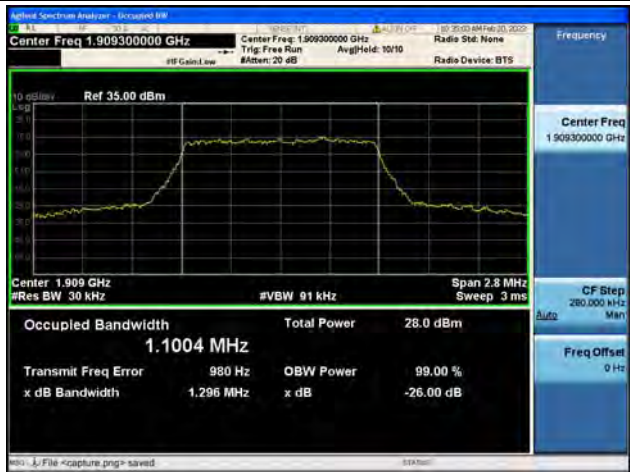
Band2 / 1.4MHz / 64QAM/ Mid CH



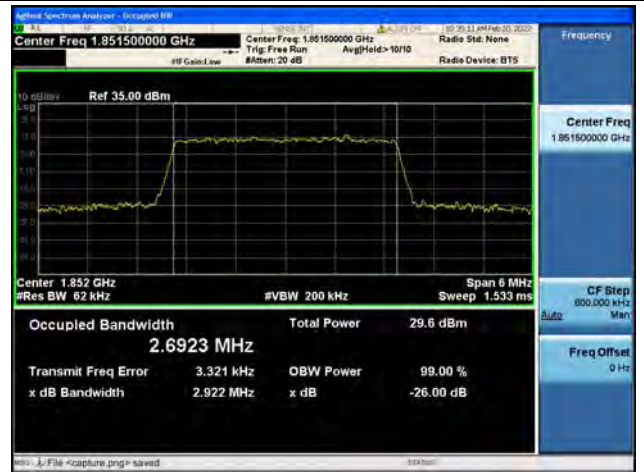
Band2 / 1.4MHz / QPSK/ High CH



Band2 / 1.4MHz / 16QAM/ High CH



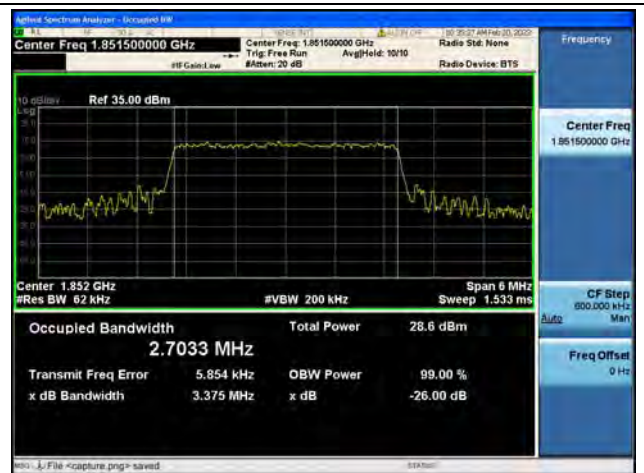
Band2 / 1.4MHz / 64QAM/ High CH



Band2 / 3MHz / QPSK/ Low CH



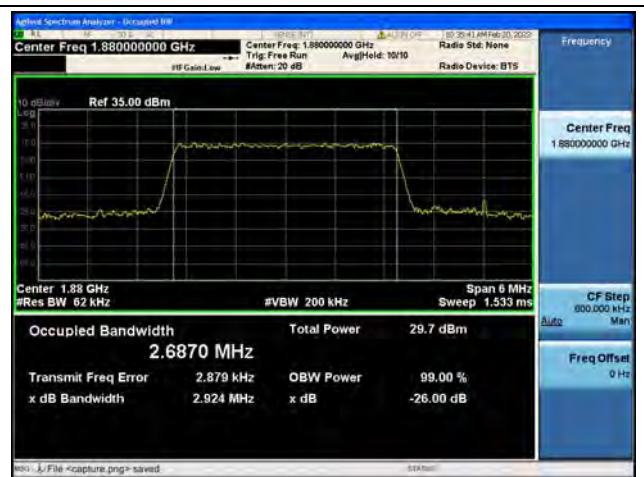
Band2 / 3MHz / 16QAM/ Low CH



Band2 / 3MHz / 64QAM/ Low CH



Band2 / 3MHz / QPSK/ Mid CH



Band2 / 3MHz / 16QAM/ Mid CH



Band2 / 3MHz / 64QAM/ Mid CH



Band2 / 3MHz / QPSK/ High CH



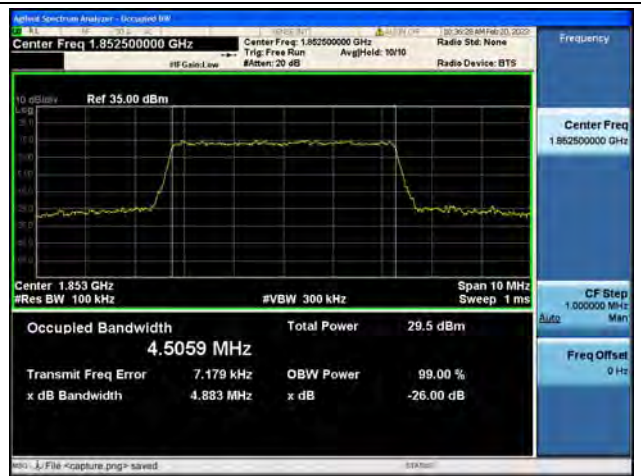
Band2 / 3MHz / 16QAM/ High CH



Band2 / 3MHz / 64QAM/ High CH



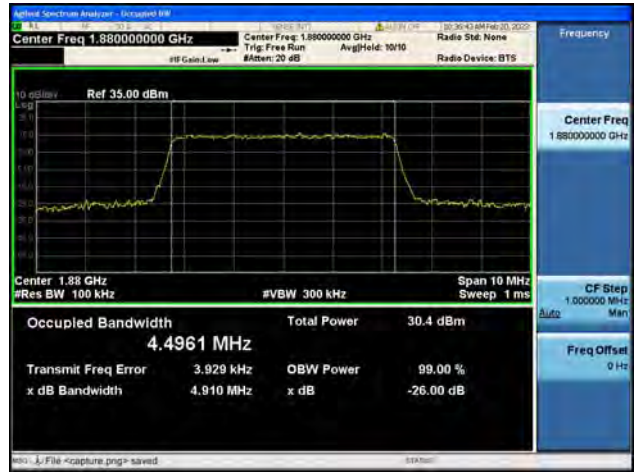
Band2 / 5MHz / QPSK/ Low CH



Band2 / 5MHz / 16QAM/ Low CH



Band2 / 5MHz / 64QAM/ Low CH



Band2 / 5MHz / QPSK/ Mid CH



Band2 / 5MHz / 16QAM/ Mid CH



Band2 / 5MHz / 64QAM/ Mid CH



Band2 / 5MHz / QPSK / High CH



Band2 / 5MHz / 16QAM / High CH



Band2 / 5MHz / 64QAM / High CH



Band2 / 10MHz / QPSK / Low CH



Band2 / 10MHz / 16QAM / Low CH



Band2 / 10MHz / 64QAM / Low CH



Band2 / 10MHz / QPSK/ Mid CH



Band2 / 10MHz / 16QAM/ Mid CH



Band2 / 10MHz / 64QAM/ Mid CH



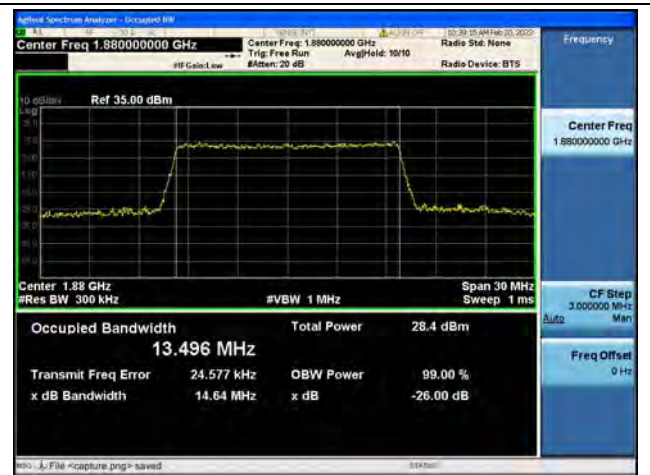
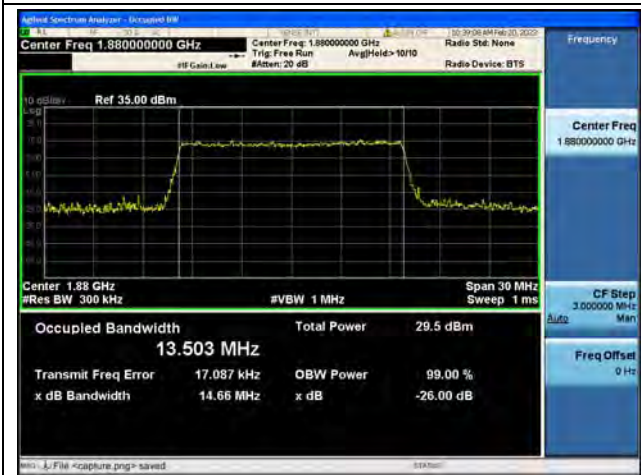
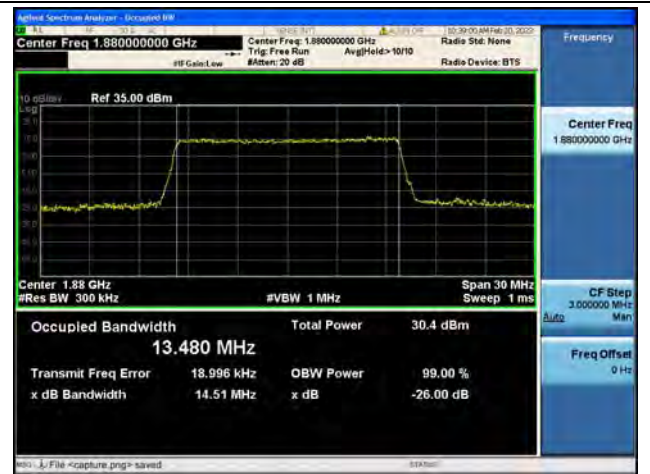
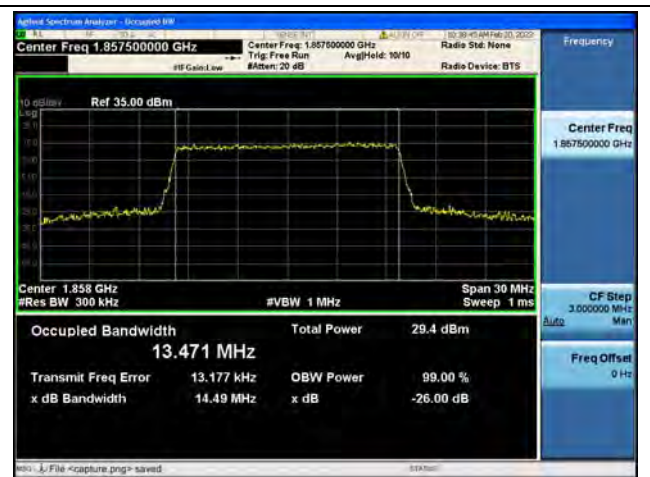
Band2 / 10MHz / QPSK/ High CH



Band2 / 10MHz / 16QAM/ High CH



Band2 / 10MHz / 64QAM/ High CH





Band2 / 15MHz / QPSK/ High CH



Band2 / 15MHz / 16QAM/ High CH



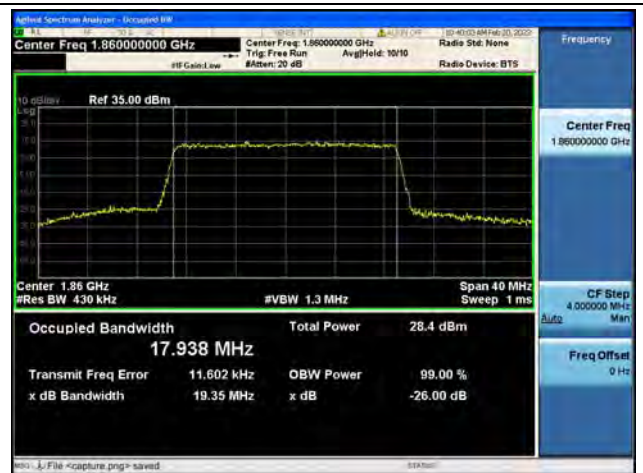
Band2 / 15MHz / 64QAM/ High CH



Band2 / 20MHz / QPSK/ Low CH



Band2 / 20MHz / 16QAM/ Low CH



Band2 / 20MHz / 64QAM/ Low CH



Band2 / 20MHz / QPSK/ Mid CH



Band2 / 20MHz / 16QAM/ Mid CH



Band2 / 20MHz / 64QAM/ Mid CH



Band2 / 20MHz / QPSK/ High CH



Band2 / 20MHz / 16QAM/ High CH



Band2 / 20MHz / 64QAM/ High CH



Band4 / 1.4MHz / QPSK/ Low CH



Band4 / 1.4MHz / 16QAM/ Low CH



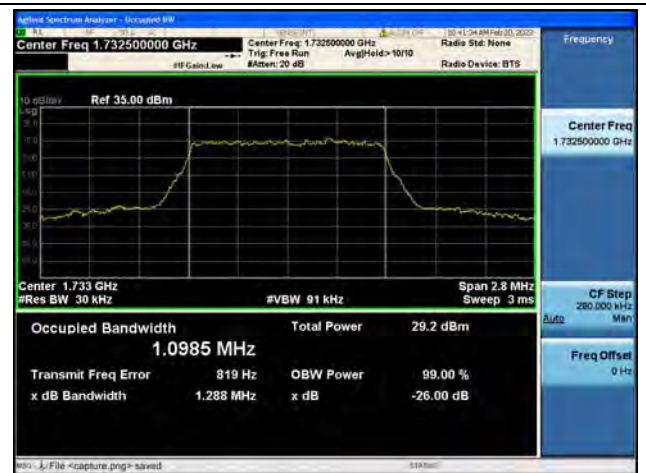
Band4 / 1.4MHz / 64QAM/ Low CH



Band4 / 1.4MHz / QPSK/ Mid CH



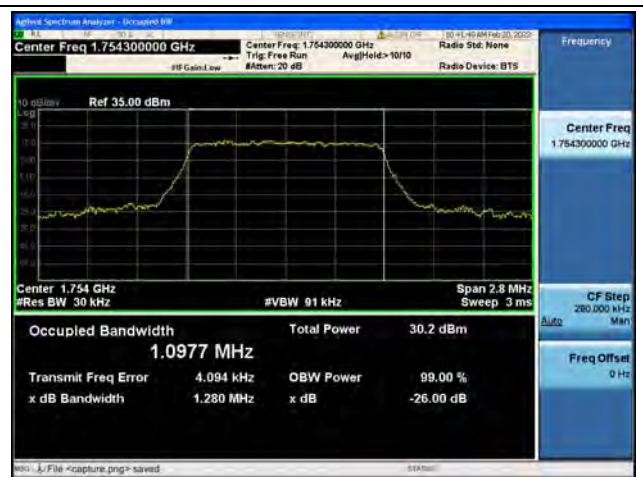
Band4 / 1.4MHz / 16QAM/ Mid CH



Band4 / 1.4MHz / 64QAM/ Mid CH



Band4 / 1.4MHz / QPSK/ High CH



Band4 / 1.4MHz / 16QAM/ High CH



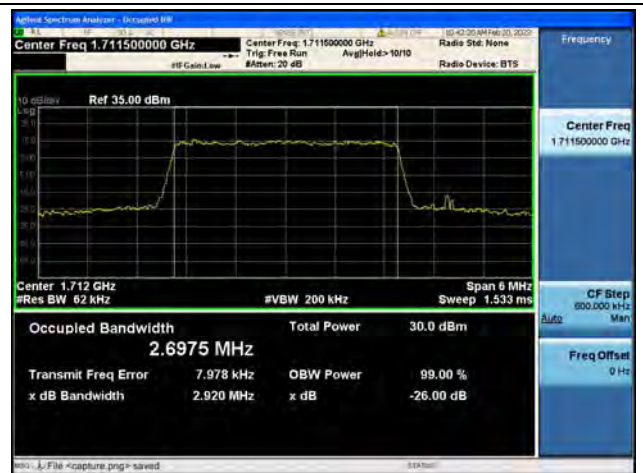
Band4 / 1.4MHz / 64QAM/ High CH



Band4 / 3MHz / QPSK/ Low CH



Band4 / 3MHz / 16QAM/ Low CH



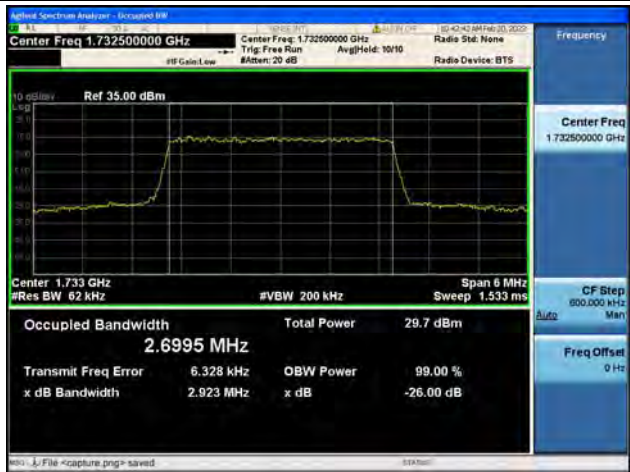
Band4 / 3MHz / 64QAM/ Low CH



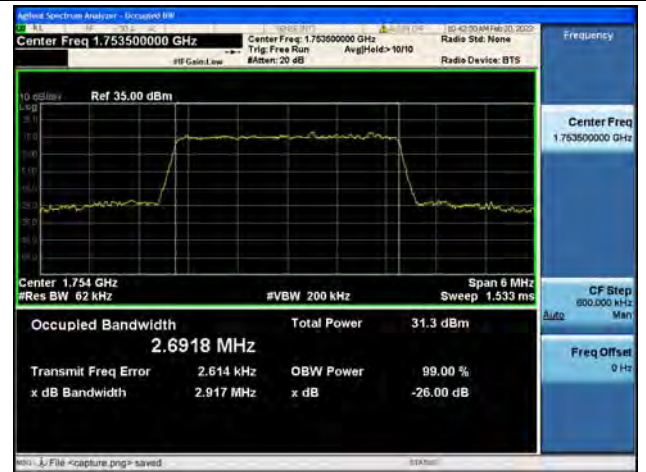
Band4 / 3MHz / QPSK/ Mid CH



Band4 / 3MHz / 16QAM/ Mid CH



Band4 / 3MHz / 64QAM/ Mid CH



Band4 / 3MHz / QPSK/ High CH



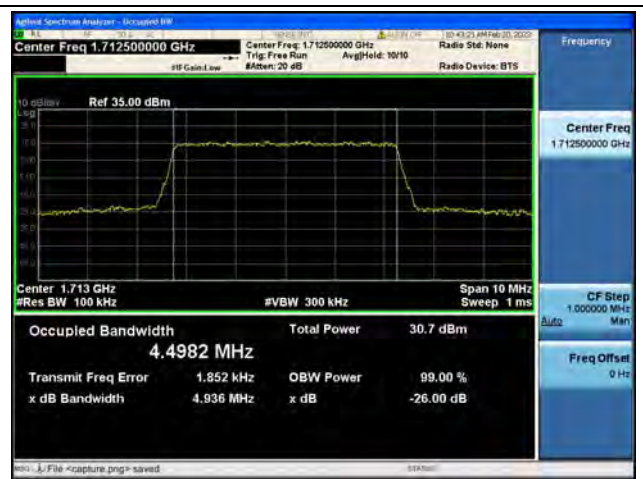
Band4 / 3MHz / 16QAM/ High CH



Band4 / 3MHz / 64QAM/ High CH



Band4 / 5MHz / QPSK/ Low CH



Band4 / 5MHz / 16QAM/ Low CH



Band4 / 5MHz / 64QAM/ Low CH



Band4 / 5MHz / QPSK/ Mid CH



Band4 / 5MHz / 16QAM/ Mid CH



Band4 / 5MHz / 64QAM/ Mid CH



Band4 / 5MHz / QPSK / High CH



Band4 / 5MHz / 16QAM / High CH



Band4 / 5MHz / 64QAM / High CH



Band4 / 10MHz / QPSK / Low CH



Band4 / 10MHz / 16QAM / Low CH



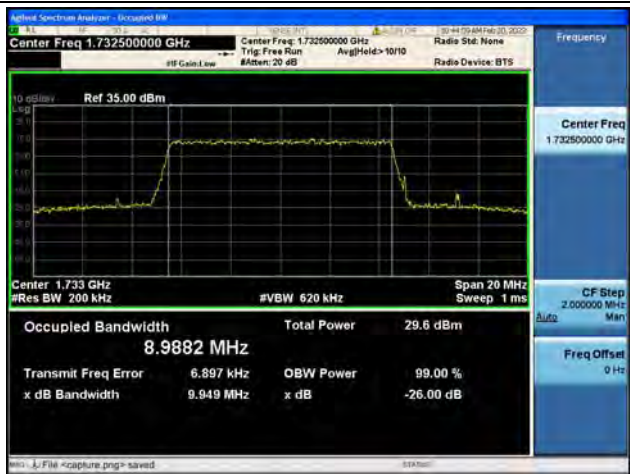
Band4 / 10MHz / 64QAM / Low CH



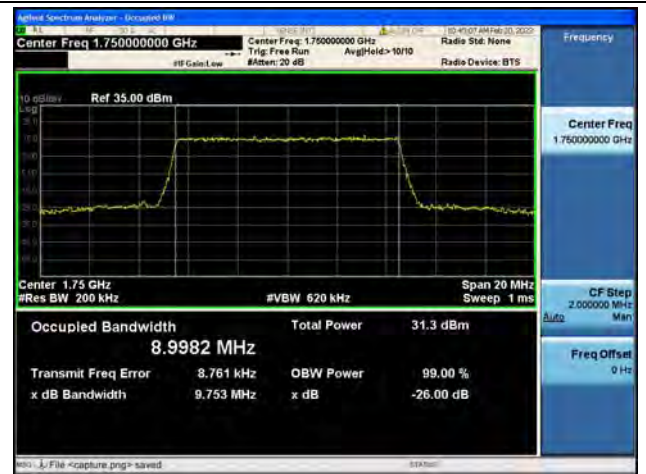
Band4 / 10MHz / QPSK/ Mid CH



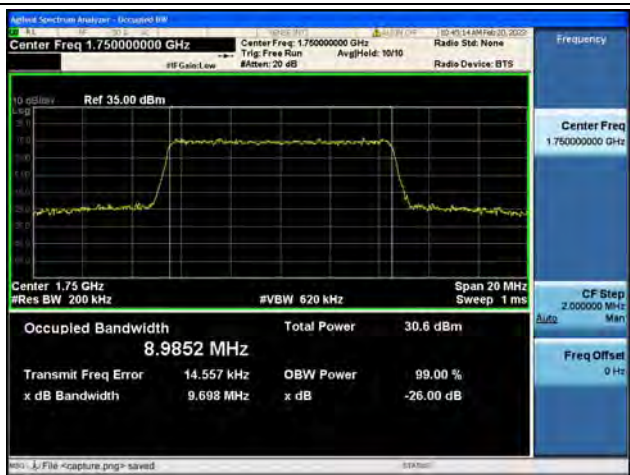
Band4 / 10MHz / 16QAM/ Mid CH



Band4 / 10MHz / 64QAM/ Mid CH



Band4 / 10MHz / QPSK/ High CH



Band4 / 10MHz / 16QAM/ High CH



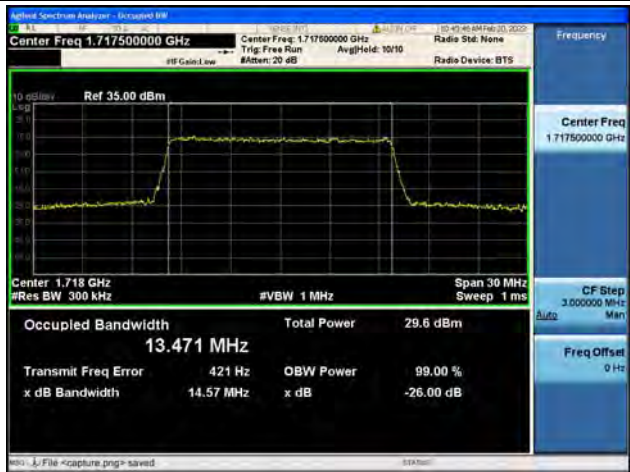
Band4 / 10MHz / 64QAM/ High CH



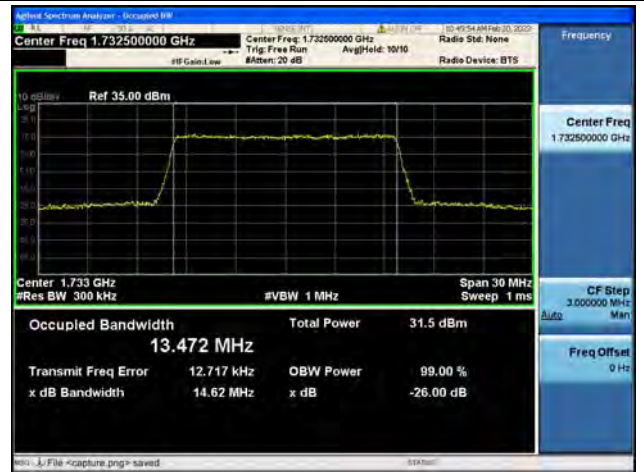
Band4 / 15MHz / QPSK/ Low CH



Band4 / 15MHz / 16QAM/ Low CH



Band4 / 15MHz / 64QAM/ Low CH



Band4 / 15MHz / QPSK/ Mid CH



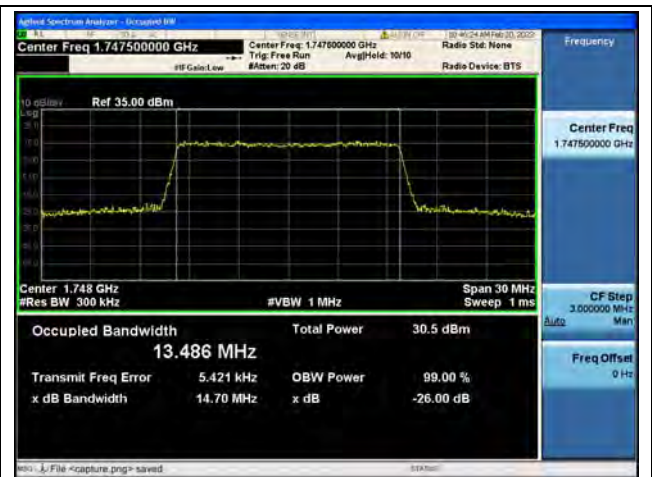
Band4 / 15MHz / 16QAM/ Mid CH



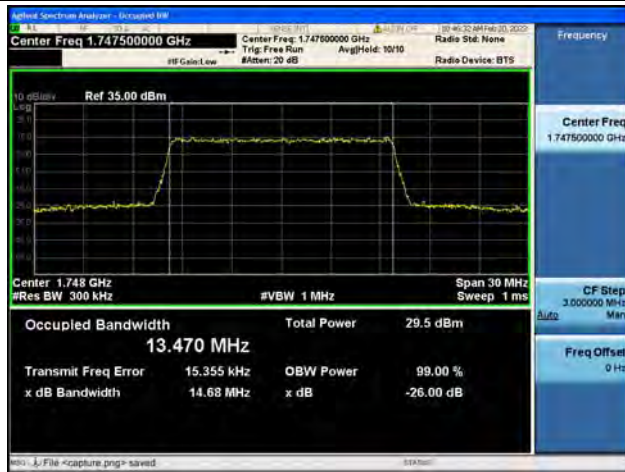
Band4 / 15MHz / 64QAM/ Mid CH



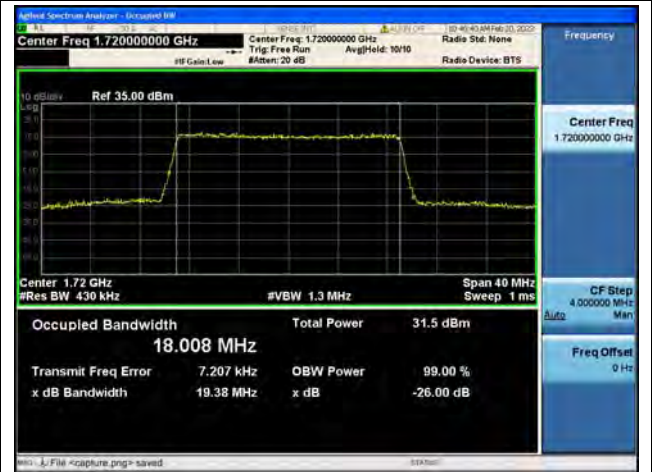
Band4 / 15MHz / QPSK/ High CH



Band4 / 15MHz / 16QAM/ High CH



Band4 / 15MHz / 64QAM/ High CH



Band4 / 20MHz / QPSK/ Low CH



Band4 / 20MHz / 16QAM/ Low CH



Band4 / 20MHz / 64QAM/ Low CH



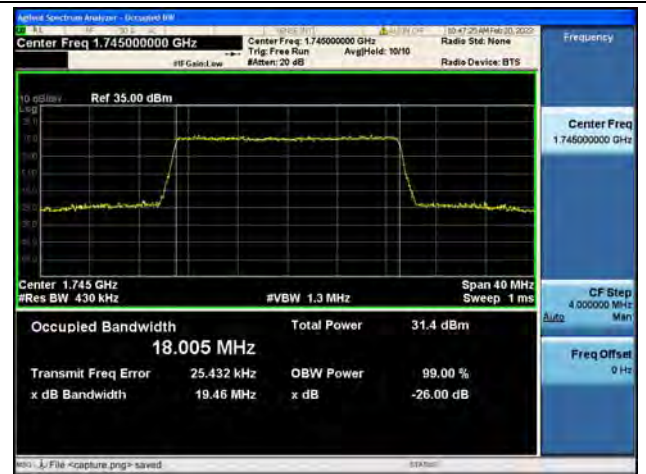
Band4 / 20MHz / QPSK/ Mid CH



Band4 / 20MHz / 16QAM/ Mid CH



Band4 / 20MHz / 64QAM/ Mid CH



Band4 / 20MHz / QPSK/ High CH



Band4 / 20MHz / 16QAM/ High CH



Band4 / 20MHz / 64QAM/ High CH



Band5 / 1.4MHz / QPSK/ Low CH



Band5 / 1.4MHz / 16QAM/ Low CH



Band5 / 1.4MHz / 64QAM/ Low CH



Band5 / 1.4MHz / QPSK/ Mid CH



Band5 / 1.4MHz / 16QAM/ Mid CH



Band5 / 1.4MHz / 64QAM/ Mid CH



Band5 / 1.4MHz / QPSK/ High CH



Band5 / 1.4MHz / 16QAM/ High CH



Band5 / 1.4MHz / 64QAM/ High CH



Band5 / 3MHz / QPSK/ Low CH



Band5 / 3MHz / 16QAM/ Low CH



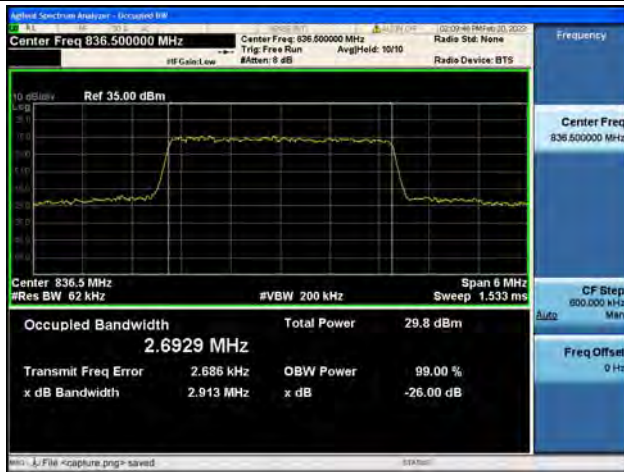
Band5 / 3MHz / 64QAM/ Low CH



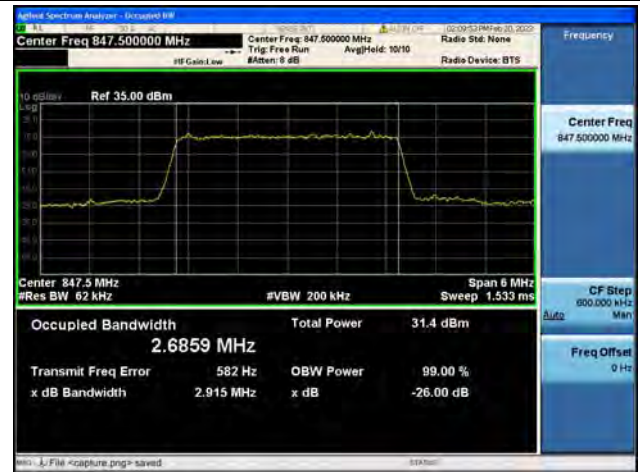
Band5 / 3MHz / QPSK/ Mid CH



Band5 / 3MHz / 16QAM/ Mid CH



Band5 / 3MHz / 64QAM/ Mid CH



Band5 / 3MHz / QPSK/ High CH



Band5 / 3MHz / 16QAM/ High CH



Band5 / 3MHz / 64QAM/ High CH



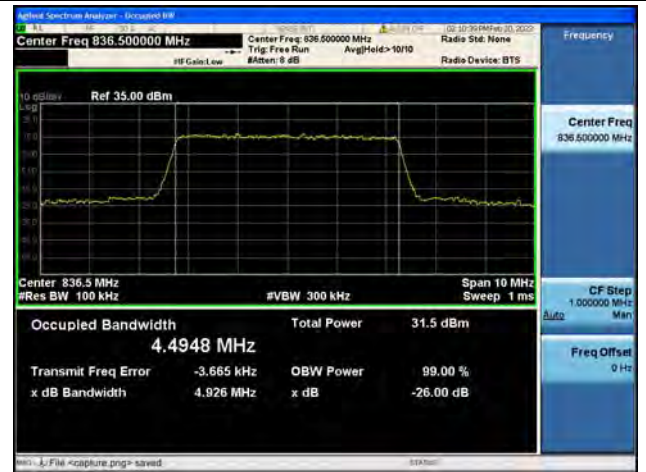
Band5 / 5MHz / QPSK/ Low CH



Band5 / 5MHz / 16QAM/ Low CH



Band5 / 5MHz / 64QAM/ Low CH



Band5 / 5MHz / QPSK/ Mid CH



Band5 / 5MHz / 16QAM/ Mid CH



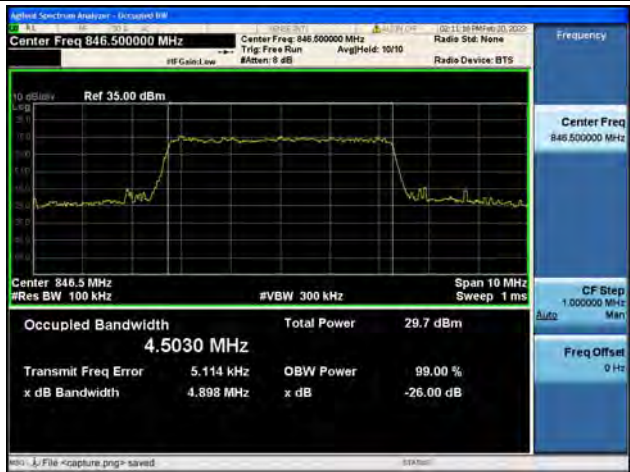
Band5 / 5MHz / 64QAM/ Mid CH



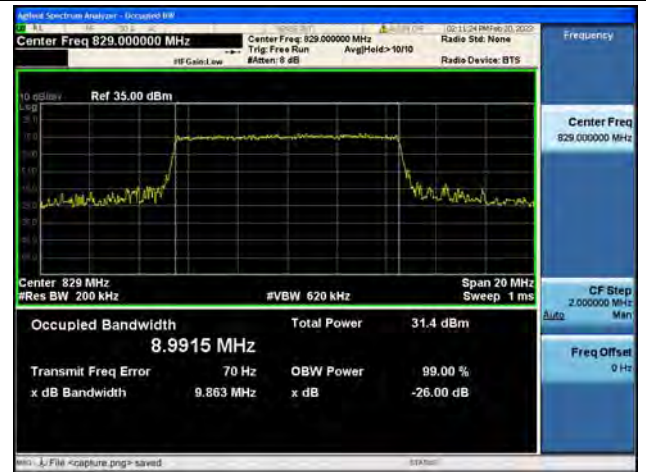
Band5 / 5MHz / QPSK / High CH



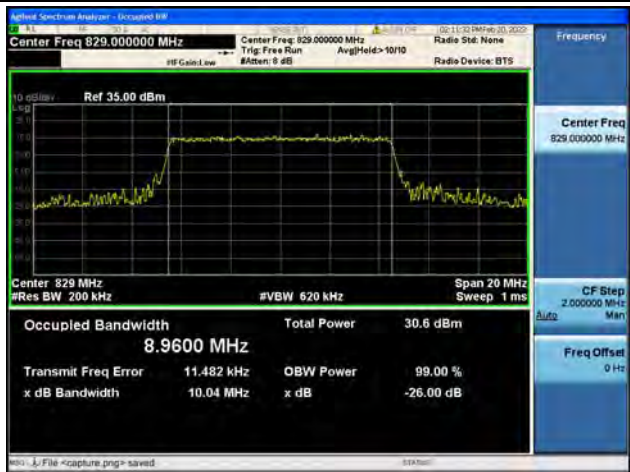
Band5 / 5MHz / 16QAM / High CH



Band5 / 5MHz / 64QAM / High CH



Band5 / 10MHz / QPSK / Low CH



Band5 / 10MHz / 16QAM / Low CH



Band5 / 10MHz / 64QAM / Low CH



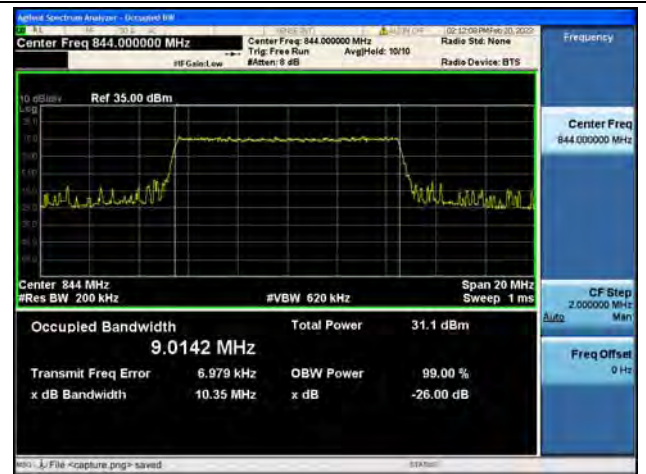
Band5 / 10MHz / QPSK/ Mid CH



Band5 / 10MHz / 16QAM/ Mid CH



Band5 / 10MHz / 64QAM/ Mid CH



Band5 / 10MHz / QPSK/ High CH



Band5 / 10MHz / 16QAM/ High CH



Band5 / 10MHz / 64QAM/ High CH



Band7 / 5MHz / QPSK/ Low CH



Band7 / 5MHz / 16QAM/ Low CH



Band7 / 5MHz / 64QAM/ Low CH



Band7 / 5MHz / QPSK/ Mid CH



Band7 / 5MHz / 16QAM/ Mid CH



Band7 / 5MHz / 64QAM/ Mid CH



Band7 / 5MHz / QPSK / High CH



Band7 / 5MHz / 16QAM / High CH



Band7 / 5MHz / 64QAM / High CH



Band7 / 10MHz / QPSK / Low CH



Band7 / 10MHz / 16QAM / Low CH



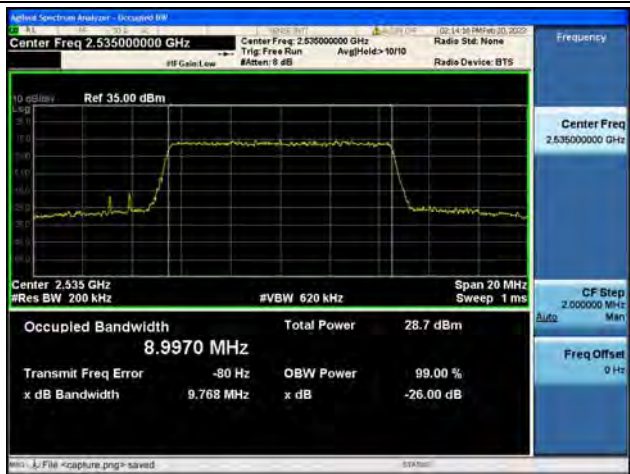
Band7 / 10MHz / 64QAM / Low CH



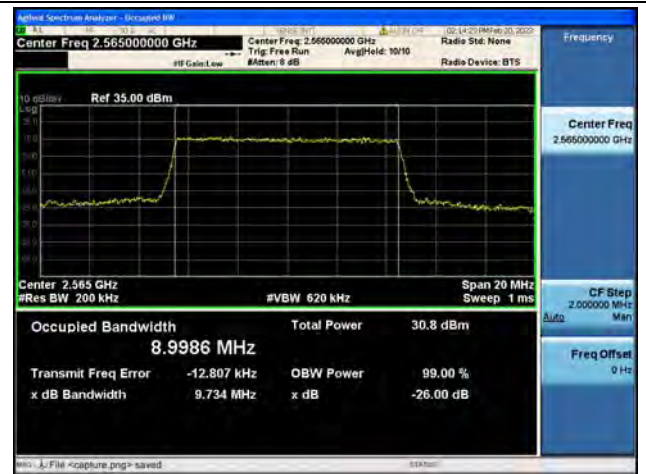
Band7 / 10MHz / QPSK/ Mid CH



Band7 / 10MHz / 16QAM/ Mid CH



Band7 / 10MHz / 64QAM/ Mid CH



Band7 / 10MHz / QPSK/ High CH



Band7 / 10MHz / 16QAM/ High CH



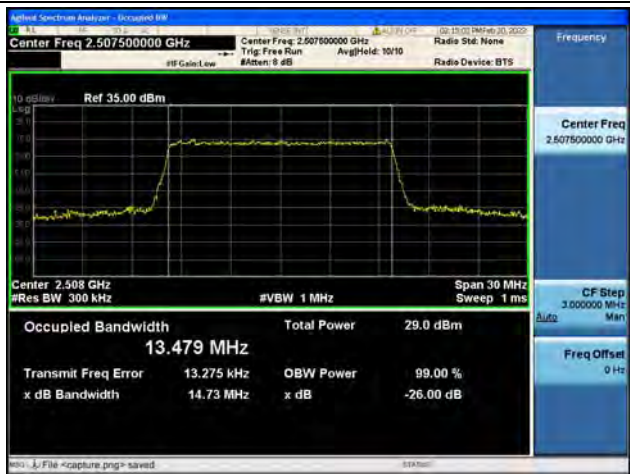
Band7 / 10MHz / 64QAM/ High CH



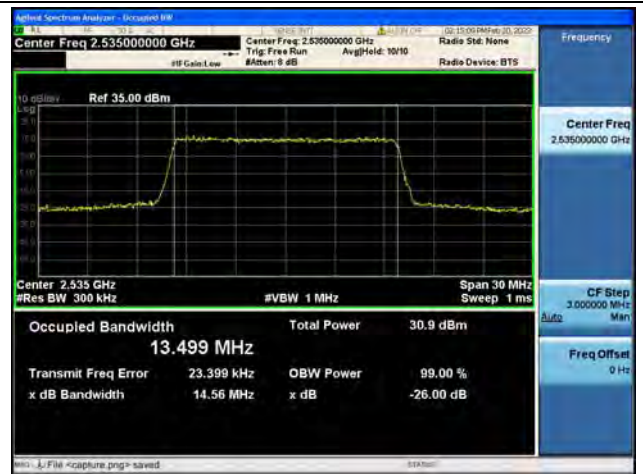
Band7 / 15MHz / QPSK/ Low CH



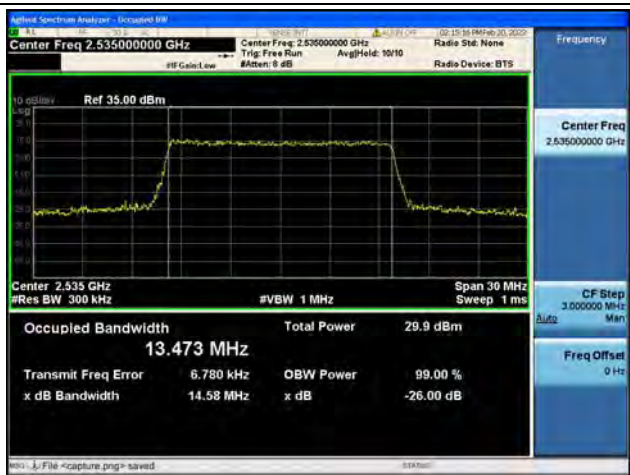
Band7 / 15MHz / 16QAM/ Low CH



Band7 / 15MHz / 64QAM/ Low CH



Band7 / 15MHz / QPSK/ Mid CH



Band7 / 15MHz / 16QAM/ Mid CH



Band7 / 15MHz / 64QAM/ Mid CH



Band7 / 15MHz / QPSK/ High CH



Band7 / 15MHz / 16QAM/ High CH



Band7 / 15MHz / 64QAM/ High CH



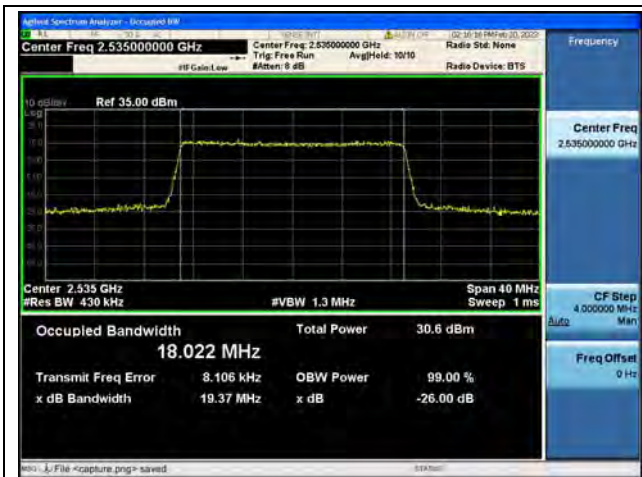
Band7 / 20MHz / QPSK/ Low CH



Band7 / 20MHz / 16QAM/ Low CH



Band7 / 20MHz / 64QAM/ Low CH



Band7 / 20MHz / QPSK/ Mid CH



Band7 / 20MHz / 16QAM/ Mid CH



Band7 / 20MHz / 64QAM/ Mid CH



Band7 / 20MHz / QPSK/ High CH



Band7 / 20MHz / 16QAM/ High CH



Band7 / 20MHz / 64QAM/ High CH



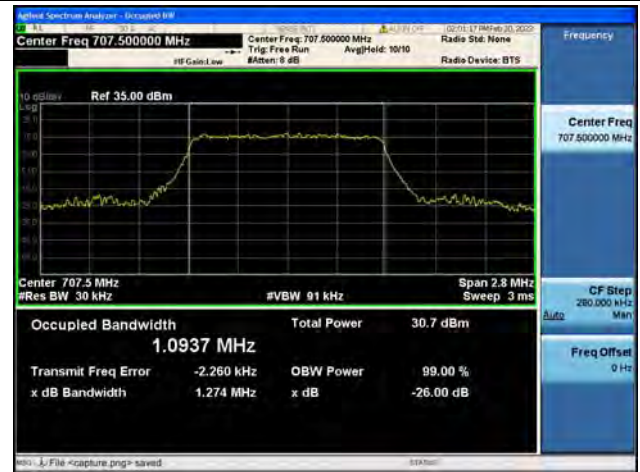
Band12 / 1.4MHz / QPSK/ Low CH



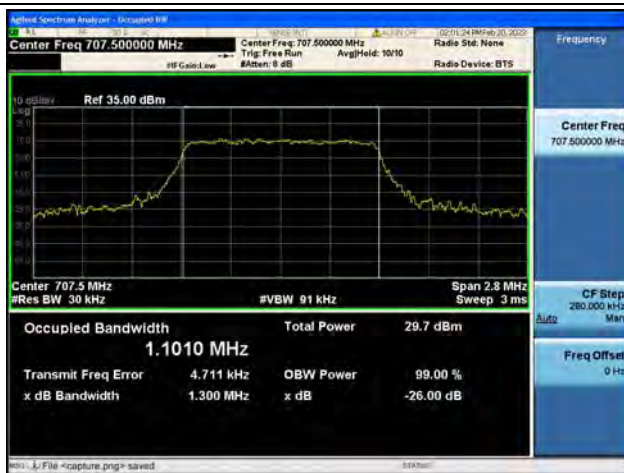
Band12 / 1.4MHz / 16QAM/ Low CH



Band12 / 1.4MHz / 64QAM/ Low CH



Band12 / 1.4MHz / QPSK/ Mid CH



Band12 / 1.4MHz / 16QAM/ Mid CH



Band12 / 1.4MHz / 64QAM/ Mid CH



Band12 / 1.4MHz / QPSK/ High CH



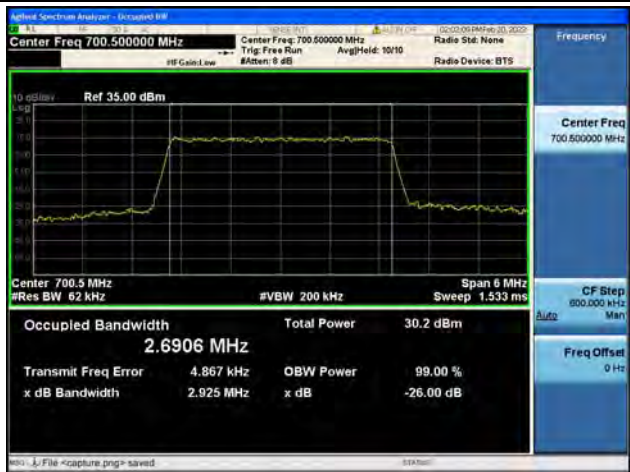
Band12 / 1.4MHz / 16QAM/ High CH



Band12 / 1.4MHz / 64QAM/ High CH



Band12 / 3MHz / QPSK/ Low CH



Band12 / 3MHz / 16QAM/ Low CH



Band12 / 3MHz / 64QAM/ Low CH



Band12 / 3MHz / QPSK/ Mid CH



Band12 / 3MHz / 16QAM/ Mid CH



Band12 / 3MHz / 64QAM/ Mid CH



Band12 / 3MHz / QPSK/ High CH



Band12 / 3MHz / 16QAM/ High CH



Band12 / 3MHz / 64QAM/ High CH



Band12 / 5MHz / QPSK/ Low CH



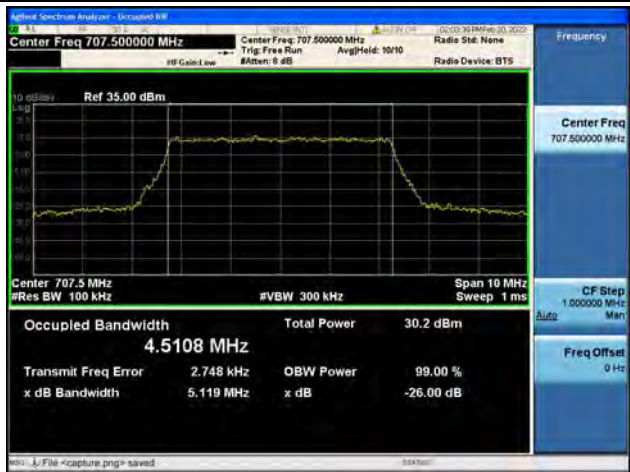
Band12 / 5MHz / 16QAM/ Low CH



Band12 / 5MHz / 64QAM/ Low CH



Band12 / 5MHz / QPSK/ Mid CH



Band12 / 5MHz / 16QAM/ Mid CH



Band12 / 5MHz / 64QAM/ Mid CH



Band12 / 5MHz / QPSK/ High CH



Band12 / 5MHz / 16QAM/ High CH



Band12 / 5MHz / 64QAM/ High CH



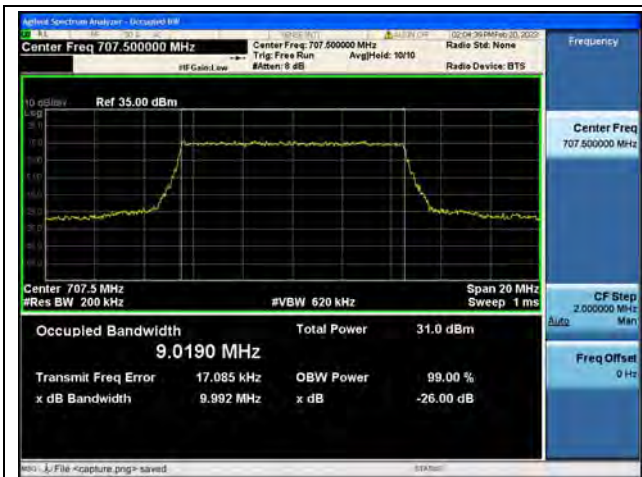
Band12 / 10MHz / QPSK/ Low CH



Band12 / 10MHz / 16QAM/ Low CH



Band12 / 10MHz / 64QAM/ Low CH



Band12 / 10MHz / QPSK/ Mid CH



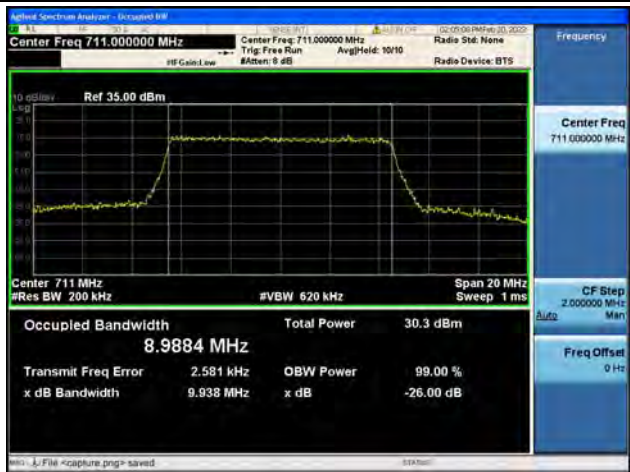
Band12 / 10MHz / 16QAM/ Mid CH



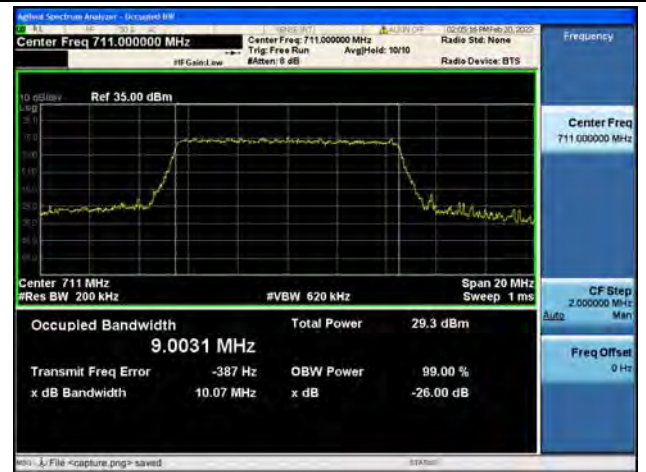
Band12 / 10MHz / 64QAM/ Mid CH



Band12 / 10MHz / QPSK/ High CH



Band12 / 10MHz / 16QAM/ High CH



Band12 / 10MHz / 64QAM/ High CH



Band17 / 5MHz / QPSK/ Low CH



Band17 / 5MHz / 16QAM/ Low CH



Band17 / 5MHz / 64QAM/ Low CH



Band17 / 5MHz / QPSK/ Mid CH



Band17 / 5MHz / 16QAM/ Mid CH



Band17 / 5MHz / 64QAM/ Mid CH



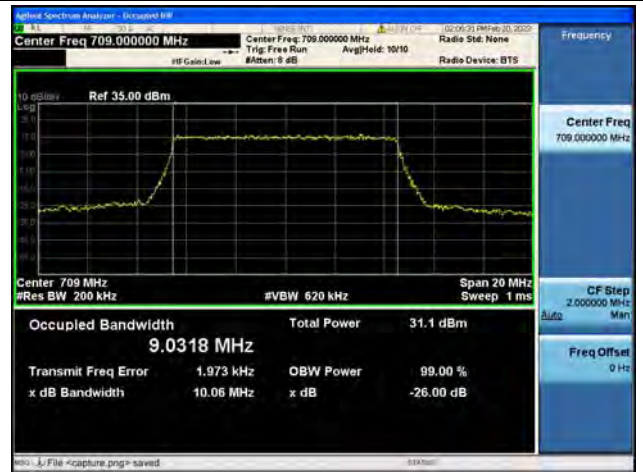
Band17 / 5MHz / QPSK/ High CH



Band17 / 5MHz / 16QAM/ High CH



Band17 / 5MHz / 64QAM/ High CH



Band17 / 10MHz / QPSK/ Low CH



Band17 / 10MHz / 16QAM/ Low CH



Band17 / 10MHz / 64QAM/ Low CH



Band17 / 10MHz / QPSK/ Mid CH



Band17 / 10MHz / 16QAM/ Mid CH



Band17 / 10MHz / 64QAM/ Mid CH



Band17 / 10MHz / QPSK/ High CH



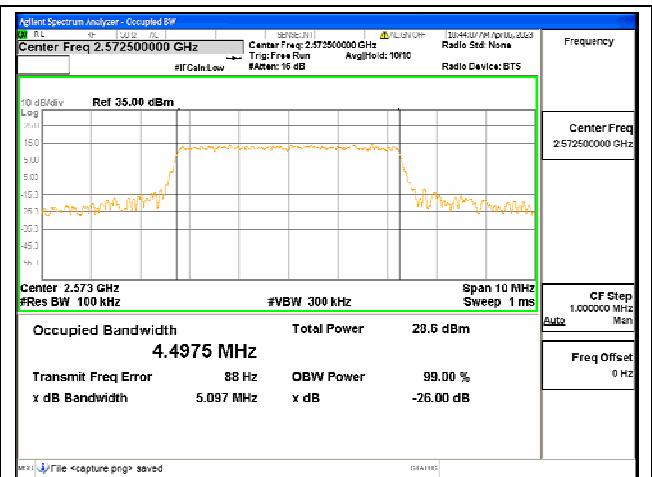
Band17 / 10MHz / 16QAM/ High CH



Band17 / 10MHz / 64QAM/ High CH



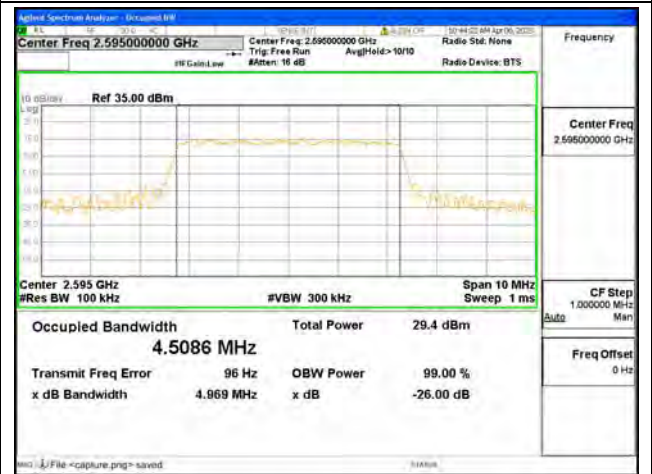
Band38 / 5MHz / QPSK/ Low CH



Band38 / 5MHz / 16QAM/ Low CH



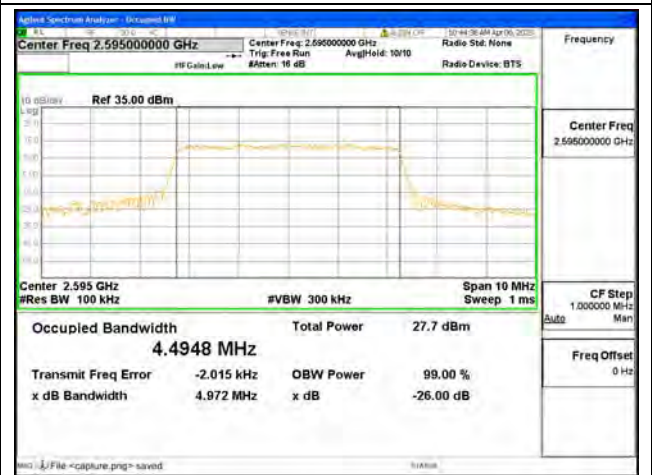
Band38 / 5MHz / 64QAM/ Low CH



Band38 / 5MHz / QPSK/ Mid CH



Band38 / 5MHz / 16QAM/ Mid CH



Band38 / 5MHz / 64QAM/ Mid CH



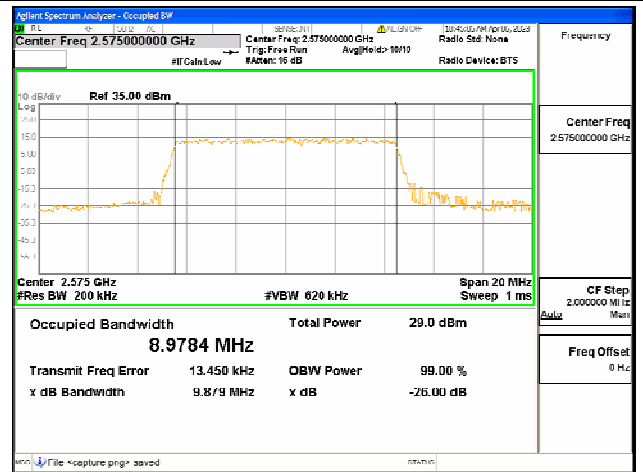
Band38 / 5MHz / QPSK/ High CH



Band38 / 5MHz / 16QAM/ High CH



Band38 / 5MHz / 64QAM/ High CH



Band38 / 10MHz / QPSK/ Low CH



Band38 / 10MHz / 16QAM/ Low CH



Band38 / 10MHz / 64QAM/ Low CH



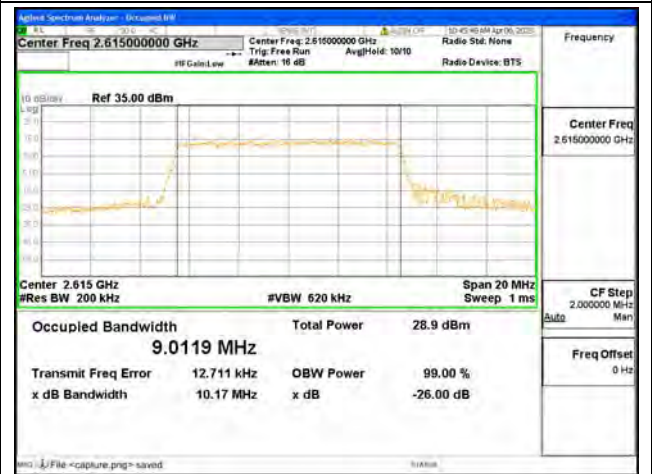
Band38 / 10MHz / QPSK/ Mid CH



Band38 / 10MHz / 16QAM/ Mid CH



Band38 / 10MHz / 64QAM/ Mid CH



Band38 / 10MHz / QPSK/ High CH



Band38 / 10MHz / 16QAM/ High CH



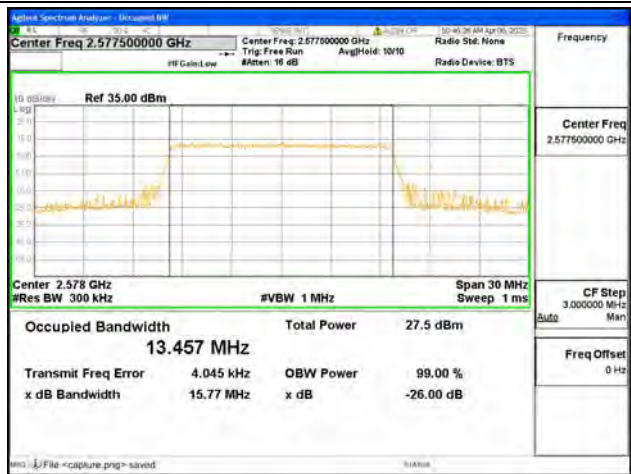
Band38 / 10MHz / 64QAM/ High CH



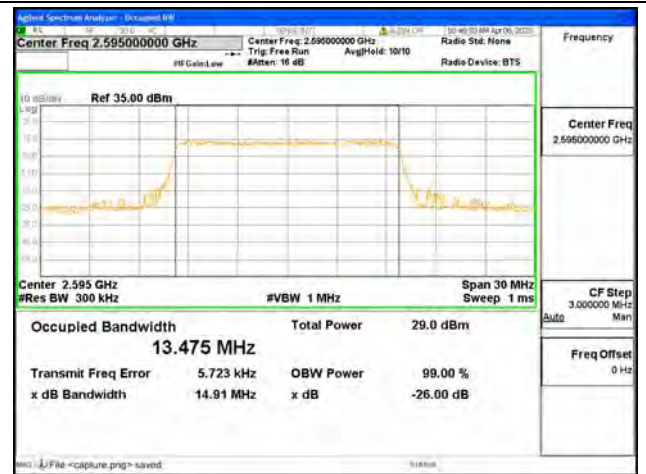
Band38 / 15MHz / QPSK / Low CH



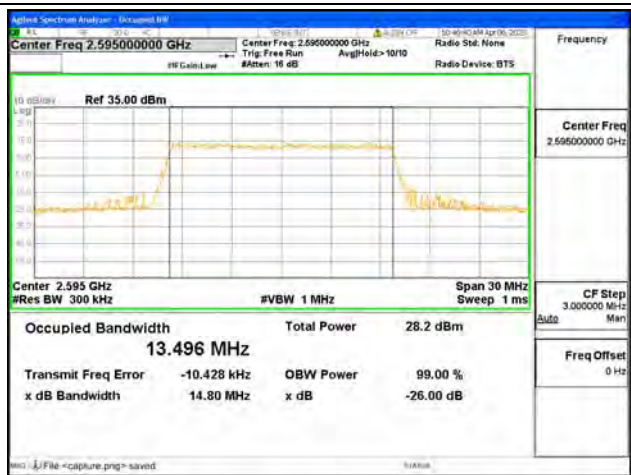
Band38 / 15MHz / 16QAM / Low CH



Band38 / 15MHz / 64QAM / Low CH



Band38 / 15MHz / QPSK / Mid CH



Band38 / 15MHz / 16QAM / Mid CH



Band38 / 15MHz / 64QAM / Mid CH