REPORT No.：SZ20110290W09

TEST REPORT

APPLICANT	:	Shenzhen Chainway Information Technology Co., Ltd.
PRODUCT NAME	:	Mobile Data Terminal
MODEL NAME	:	C6000
BRAND NAME	:	CHAINWAY
FCC ID	:	2AC6AC6000B
STANDARD(S)	:	47 CFR Part 22, Subpart H 47 CFR Part 24, Subpart E 47 CFR Part 27, Subpart D&H&L&M
RECEIPT DATE	:	2020-11-20
TEST DATE	:	2020-12-02 to 2021-01-06
ISSUE DATE	:	2021-01-25

Edited by: Peng Mi (Rapporteur)

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MORLAB

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DIRECTORY

Change History		
Version	**Date**	**Reason for change**
1.0	2021-01-25	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:	9/F, Building 2, Daqian Industrial Park, Longchang Rd., District 9F Building 2, Daqian Industrial Park, District 67, XingDong Community, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China67, Bao'an, Shenzhen, China

1.2. Equipment Under Test (EUT) Description

Product Name:	Mobile Data Terminal	
Serial No.:	(N/A, marked #1 by test site)	
Hardware Version:	PCBA-C6000M-62MB-V20	
Software Version:	H205XOA.C6000_E3AX.A3.AD10.WVGA.CN.FTM.MV3224.P1.20200921.ATA	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not support	
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
	LTE Band 38	Tx: 2570MHz–2620MHz
		Rx: 2570MHz–2620MHz
Frequency Range:	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: 2555MHz–2655MHz
		Rx: 2555MHz–2655MHz
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	5MHz, 10MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	Fixed Internal Antenna	
Antenna Gain:	LTE Band 2	0.2dBi
	LTE Band 4	-0.3dBi
	LTE Band 5	-0.8dBi
	LTE Band 7	0.3dBi
	LTE Band 12	-1.3dBi
	LTE Band 17	-1.5dBi
	LTE Band 38	0.8dBi
	LTE Band 40	-0.1dBi
	LTE Band 41	0.6dBi

Accessory Information:	Battery	
	Brand Name:	Hixon
	Model No.:	J314
	Serial No.:	(N/A, marked #1 by test site)
	Capacity:	4200mAh
	Rated Voltage:	3.80V
	Charge Limit:	4.35V
	Manufacturer:	Hixon(Shenzhen) Technology Limited
	AC Adapter	
	Brand Name:	FULLPOWER®
	Model No.:	NA010050020
	Serial No.:	(N/A, marked #1 by test site)
	Rated Output:	5V⎓2A
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	Shenzhen Shi Ying Yuan Electronics 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.

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	0.232	0.183	0.146	18M0G7D	18M0W7D	18M0W7D
15	0.224	0.188	0.149	13M5G7D	13M5W7D	13M5W7D
10	0.221	0.181	0.162	9M02G7D	8M98W7D	8M99W7D
5	0.221	0.187	0.149	4M50G7D	4M50W7D	4M50W7D
3	0.220	0.184	0.152	2M69G7D	2M70W7D	2M70W7D
1.4	0.222	0.185	0.158	1M10G7D	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	0.226	0.185	0.144	17M9G7D	18M0W7D	18M0W7D
15	0.225	0.184	0.145	13M5G7D	13M5W7D	13M5W7D
10	0.223	0.181	0.146	8M99G7D	8M97W7D	8M99W7D
5	0.224	0.194	0.145	4M50G7D	4M50W7D	4M50W7D
3	0.221	0.172	0.144	2M69G7D	2M69W7D	2M71W7D
1.4	0.221	0.182	0.142	1M10G7D	1M10W7D	1M10W7D
LTE Band 5	**Maximum E.R.P./E.I.R.P. (W)**			**Emission Designator (99%OBW)**		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.107	0.093	0.077	9M02G7D	8M98W7D	9M00W7D
5	0.107	0.094	0.080	4M50G7D	4M50W7D	4M50W7D
3	0.107	0.093	0.078	2M69G7D	2M69W7D	2M70W7D
1.4	0.109	0.092	0.080	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	0.164	0.135	0.137	18M0G7D	18M0W7D	18M0W7D
15	0.167	0.129	0.125	13M5G7D	13M5W7D	13M5W7D
10	0.161	0.124	0.114	9M02G7D	8M98W7D	9M01W7D
5	0.160	0.135	0.124	4M51G7D	4M51W7D	4M50W7D
LTE Band 12	**Maximum E.R.P./E.I.R.P. (W)**			**Emission Designator (99%OBW)**		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.100	0.086	0.066	9M05G7D	9M02W7D	9M02W7D
5	0.098	0.085	0.066	4M54G7D	4M52W7D	4M52W7D
3	0.098	0.085	0.068	2M69G7D	2M69W7D	2M70W7D
1.4	0.099	0.083	0.067	1M09G7D	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	0.093	0.081	0.064	9M01G7D	8M95W7D	8M98W7D
5	0.095	0.083	0.068	4M53G7D	4M52W7D	4M52W7D
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	0.328	0.272	0.239	18M0G7D	18M0W7D	18M0W7D
15	0.310	0.267	0.220	13M5G7D	13M5W7D	13M5W7D
10	0.325	0.273	0.233	9M00G7D	9M00W7D	8M99W7D
5	0.322	0.269	0.232	4M51G7D	4M51W7D	4M49W7D
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	0.185	0.143	0.120	9M00G7D	8M98W7D	9M00W7D
5	0.182	0.152	0.150	4M51G7D	5M25W7D	4M50W7D
LTE Band 40 Block B	**Maximum E.R.P./E.I.R.P. (W)**			**Emission Designator (99%OBW)**		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.208	0.161	0.134	9M00G7D	8M98W7D	8M99W7D
5	0.207	0.170	0.168	4M52G7D	4M52W7D	4M50W7D
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	0.296	0.254	0.208	18M1G7D	18M1W7D	18M0W7D
15	0.303	0.251	0.212	13M6G7D	13M5W7D	13M5W7D
10	0.312	0.258	0.216	9M02G7D	8M99W7D	9M01W7D
5	0.299	0.252	0.210	4M52G7D	4M51W7D	4M50W7D

1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(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.	Dec 27, 2020	Chen Hao Peng Xuewei	PASS	No deviation
2.1049	Occupied Bandwidth	Dec 02&03&04, 2020	Zhou Xiaolong	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Jan 06, 2021	Zhou Xiaolong	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Dec 02&03&08, 2020	Zhou Xiaolong	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	Dec 02&03&08, 2020	Zhou Xiaolong	PASS	No deviation
2.1051	Band Edge	Dec 02&03&04,	Zhou Xiaolong	PASS	No

22.917(a) 24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)		2020			deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Dec 03&04, 2020	Peng Xuewei	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 26.5dB contains two parts that cable loss 16.5dB 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% risk level.					

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).

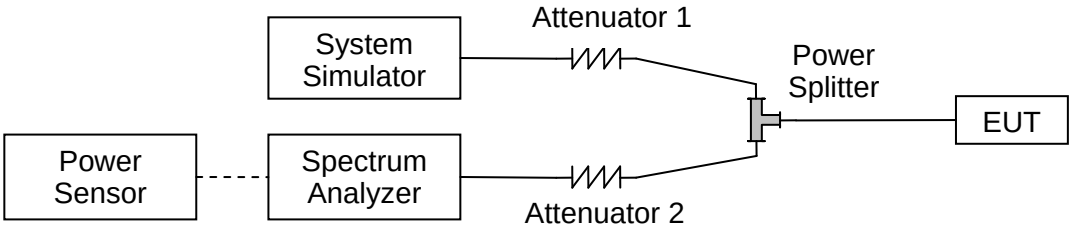
According to FCC section 24.232 (c) for LTE Band 2, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.
According to FCC section 27.50 (d)(4) for LTE Band 4, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.
According to FCC section22.913 (a)(2) for LTE Band 5, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h)(2) for LTE Band 7/38/41, 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 13/12/17, 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 milliwatts within any 1 megahertz of authorized bandwidth

2.1.2. Test Description



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

2.1.3. Test Procedure

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

E.I.R.P. (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)
E.R.P. (dBm) = E.I.R.P. (dBm) - 2.15

2.1.4. Result

Conducted Output Power:

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.46	23.31	23.22
20	QPSK	1	49	23.25	23.00	23.08
20	QPSK	1	99	23.14	23.26	23.27
20	QPSK	50	0	22.31	22.20	22.02
20	QPSK	50	24	22.27	22.10	22.05
20	QPSK	50	50	22.20	22.17	22.12
20	QPSK	100	0	22.24	22.05	22.15
20	16QAM	1	0	22.37	22.11	22.01
20	16QAM	1	49	22.14	22.43	22.24
20	16QAM	1	99	22.15	22.05	22.14
20	16QAM	50	0	21.23	21.06	21.22
20	16QAM	50	24	21.19	21.16	21.34
20	16QAM	50	50	21.35	21.04	21.00
20	16QAM	100	0	21.28	21.04	21.24
20	64QAM	1	0	21.32	21.44	21.32
20	64QAM	1	49	21.24	21.42	21.44
20	64QAM	1	99	21.34	21.37	21.36
20	64QAM	50	0	21.25	21.18	21.25
20	64QAM	50	24	21.19	21.13	21.03
20	64QAM	50	50	21.24	21.07	21.34
20	64QAM	100	0	21.24	21.04	21.35

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.31	23.21	23.12
15	QPSK	1	37	23.22	23.05	23.12
15	QPSK	1	74	23.05	23.09	23.22
15	QPSK	36	0	22.29	22.18	21.91
15	QPSK	36	20	22.34	22.03	22.02
15	QPSK	36	39	22.22	22.06	22.27
15	QPSK	75	0	22.32	22.09	22.35
15	16QAM	1	0	22.38	22.19	22.34
15	16QAM	1	37	22.54	22.01	22.12
15	16QAM	1	74	22.40	22.42	22.44
15	16QAM	36	0	21.37	21.00	21.18
15	16QAM	36	20	21.31	21.07	21.22
15	16QAM	36	39	21.23	21.03	21.17
15	16QAM	75	0	21.26	21.14	21.19
15	64QAM	1	0	21.08	21.24	21.37
15	64QAM	1	37	21.32	21.53	21.36
15	64QAM	1	74	21.15	21.34	21.64
15	64QAM	36	0	21.28	21.15	21.22
15	64QAM	36	20	21.27	21.01	21.25
15	64QAM	36	39	21.21	21.22	21.23
15	64QAM	75	0	21.26	21.07	21.17

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				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.24	23.09	23.24
10	QPSK	1	25	23.21	23.12	23.03
10	QPSK	1	49	23.18	23.11	23.24
10	QPSK	25	0	22.31	22.05	22.33
10	QPSK	25	12	22.28	22.04	22.24
10	QPSK	25	25	22.26	22.09	22.34
10	QPSK	50	0	22.24	22.02	22.04
10	16QAM	1	0	22.30	22.26	21.88
10	16QAM	1	25	22.38	22.21	22.16
10	16QAM	1	49	22.36	22.26	22.03
10	16QAM	25	0	21.47	21.20	21.25
10	16QAM	25	12	21.29	21.17	21.23
10	16QAM	25	25	21.33	21.03	21.14
10	16QAM	50	0	21.35	21.02	21.11
10	64QAM	1	0	21.32	21.24	21.22
10	64QAM	1	25	21.22	21.42	21.34
10	64QAM	1	49	21.34	21.89	21.22
10	64QAM	25	0	21.31	21.04	21.38
10	64QAM	25	12	21.27	21.10	21.28
10	64QAM	25	25	21.33	21.00	21.34
10	64QAM	50	0	21.32	21.08	21.37

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	23.09	23.14	23.12
5	QPSK	1	12	23.24	23.25	23.22
5	QPSK	1	24	23.13	23.17	23.09
5	QPSK	12	0	22.31	22.04	22.37
5	QPSK	12	7	22.33	22.03	22.21
5	QPSK	12	13	22.21	22.01	22.29
5	QPSK	25	0	22.29	22.19	22.44
5	16QAM	1	0	22.50	22.12	22.47
5	16QAM	1	12	22.46	22.42	22.44
5	16QAM	1	24	22.51	22.26	22.25
5	16QAM	12	0	21.28	21.27	21.38
5	16QAM	12	7	21.30	21.07	21.26
5	16QAM	12	13	21.20	21.19	21.33
5	16QAM	25	0	21.36	21.10	21.29
5	64QAM	1	0	21.22	21.29	21.34
5	64QAM	1	12	21.36	21.23	21.54
5	64QAM	1	24	21.22	21.35	21.47
5	64QAM	12	0	21.35	21.39	21.39
5	64QAM	12	7	21.29	21.24	21.36
5	64QAM	12	13	21.27	21.35	21.44
5	64QAM	25	0	21.29	21.34	21.30

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	23.21	23.14	23.13
3	QPSK	1	8	23.17	23.16	23.17
3	QPSK	1	14	23.15	23.09	23.23
3	QPSK	8	0	22.22	22.05	22.24
3	QPSK	8	4	22.27	22.07	22.15
3	QPSK	8	7	22.31	22.07	22.09
3	QPSK	15	0	22.26	22.04	22.18
3	16QAM	1	0	22.30	22.44	22.25
3	16QAM	1	8	22.39	22.19	22.23
3	16QAM	1	14	22.35	22.21	22.44
3	16QAM	8	0	21.47	21.04	21.18
3	16QAM	8	4	21.25	21.11	21.16
3	16QAM	8	7	21.33	21.08	21.18
3	16QAM	15	0	21.32	21.23	21.22
3	64QAM	1	0	21.27	21.27	21.55
3	64QAM	1	8	21.22	21.32	21.42
3	64QAM	1	14	21.34	21.34	21.63
3	64QAM	8	0	21.24	21.09	21.22
3	64QAM	8	4	21.29	21.05	21.28
3	64QAM	8	7	21.20	21.00	21.29
3	64QAM	15	0	21.32	21.24	21.38

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	23.20	23.16	23.18
1.4	QPSK	1	3	23.21	23.10	23.11
1.4	QPSK	1	5	23.08	23.24	23.13
1.4	QPSK	3	0	23.25	23.03	23.19
1.4	QPSK	3	1	23.27	23.14	23.18
1.4	QPSK	3	3	23.22	23.09	23.08
1.4	QPSK	6	0	22.26	22.09	22.08
1.4	16QAM	1	0	22.30	22.30	22.24
1.4	16QAM	1	3	22.37	22.35	22.01
1.4	16QAM	1	5	22.31	22.36	22.01
1.4	16QAM	3	0	22.29	22.22	22.26
1.4	16QAM	3	1	22.47	22.21	22.28
1.4	16QAM	3	3	22.33	22.15	22.31
1.4	16QAM	6	0	21.13	21.17	21.14
1.4	64QAM	1	0	21.22	21.80	21.69
1.4	64QAM	1	3	21.23	21.24	21.27
1.4	64QAM	1	5	21.16	21.22	21.72
1.4	64QAM	3	0	21.11	21.25	21.64
1.4	64QAM	3	1	21.34	21.11	21.70
1.4	64QAM	3	3	21.22	21.25	21.71
1.4	64QAM	6	0	21.36	21.02	21.26

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				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	23.62	23.63	23.84
20	QPSK	1	49	23.79	23.78	23.57
20	QPSK	1	99	23.46	23.38	23.25
20	QPSK	50	0	22.65	22.77	22.88
20	QPSK	50	24	22.73	22.69	22.84
20	QPSK	50	50	22.62	22.64	22.59
20	QPSK	100	0	22.66	22.79	22.77
20	16QAM	1	0	22.84	22.58	22.71
20	16QAM	1	49	22.65	22.74	22.97
20	16QAM	1	99	22.59	22.87	22.90
20	16QAM	50	0	21.99	21.80	21.91
20	16QAM	50	24	21.93	21.83	21.76
20	16QAM	50	50	21.86	21.67	21.64
20	16QAM	100	0	21.88	21.74	21.78
20	64QAM	1	0	21.44	21.67	21.55
20	64QAM	1	49	21.22	21.26	21.34
20	64QAM	1	99	21.53	21.36	21.25
20	64QAM	50	0	21.87	21.76	21.87
20	64QAM	50	24	21.86	21.86	21.82
20	64QAM	50	50	21.77	21.75	21.61
20	64QAM	100	0	21.90	21.78	21.71

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	23.82	23.77	23.65
15	QPSK	1	37	23.56	23.67	23.67
15	QPSK	1	74	23.70	23.58	23.63
15	QPSK	36	0	22.94	22.79	22.84
15	QPSK	36	20	22.95	22.87	22.85
15	QPSK	36	39	22.87	22.85	22.76
15	QPSK	75	0	22.97	22.80	22.85
15	16QAM	1	0	22.56	22.78	22.66
15	16QAM	1	37	22.66	22.66	22.90
15	16QAM	1	74	22.94	22.55	22.83
15	16QAM	36	0	21.93	21.82	21.79
15	16QAM	36	20	21.86	21.81	21.82
15	16QAM	36	39	21.82	21.73	21.67
15	16QAM	75	0	21.92	21.79	21.74
15	64QAM	1	0	21.91	21.85	21.55
15	64QAM	1	37	21.55	21.92	21.64
15	64QAM	1	74	21.54	21.75	21.56
15	64QAM	36	0	21.86	21.92	21.83
15	64QAM	36	20	21.83	21.77	21.75
15	64QAM	36	39	21.87	21.73	21.77
15	64QAM	75	0	21.92	21.77	21.84

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	23.51	23.78	23.70
10	QPSK	1	25	23.51	23.68	23.55
10	QPSK	1	49	23.74	23.65	23.71
10	QPSK	25	0	22.97	22.86	22.87
10	QPSK	25	12	23.01	22.91	22.80
10	QPSK	25	25	22.90	22.80	22.81
10	QPSK	50	0	22.94	22.87	22.92
10	16QAM	1	0	22.55	22.58	22.87
10	16QAM	1	25	22.66	22.62	22.88
10	16QAM	1	49	22.85	22.62	22.71
10	16QAM	25	0	21.84	21.91	21.89
10	16QAM	25	12	21.56	21.98	21.81
10	16QAM	25	25	21.83	21.88	21.83
10	16QAM	50	0	21.95	21.79	21.83
10	64QAM	1	0	21.77	21.67	21.85
10	64QAM	1	25	21.59	21.84	21.66
10	64QAM	1	49	21.69	21.66	21.59
10	64QAM	25	0	21.88	21.88	21.94
10	64QAM	25	12	21.84	21.83	21.93
10	64QAM	25	25	21.93	21.85	21.82
10	64QAM	50	0	21.89	21.84	21.85

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.80	23.65	23.63
5	QPSK	1	12	23.79	23.67	23.61
5	QPSK	1	24	23.64	23.49	23.65
5	QPSK	12	0	22.91	22.79	22.89
5	QPSK	12	7	22.97	22.84	22.80
5	QPSK	12	13	22.89	22.77	22.86
5	QPSK	25	0	22.91	22.85	22.88
5	16QAM	1	0	22.67	22.59	22.79
5	16QAM	1	12	22.95	22.62	22.87
5	16QAM	1	24	23.17	22.50	22.87
5	16QAM	12	0	21.89	21.76	21.89
5	16QAM	12	7	21.87	21.89	21.96
5	16QAM	12	13	21.79	21.80	21.78
5	16QAM	25	0	21.86	21.69	21.88
5	64QAM	1	0	21.66	21.88	21.58
5	64QAM	1	12	21.56	21.59	21.79
5	64QAM	1	24	21.78	21.68	21.67
5	64QAM	12	0	21.90	21.79	21.88
5	64QAM	12	7	21.89	21.96	21.88
5	64QAM	12	13	21.88	21.79	21.76
5	64QAM	25	0	21.86	21.75	21.79

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	23.62	23.73	23.75
3	QPSK	1	8	23.70	23.63	23.66
3	QPSK	1	14	23.34	23.69	23.63
3	QPSK	8	0	22.62	22.67	22.66
3	QPSK	8	4	22.66	22.66	22.71
3	QPSK	8	7	22.55	22.88	22.56
3	QPSK	15	0	22.22	22.59	22.73
3	16QAM	1	0	22.56	22.65	22.36
3	16QAM	1	8	22.66	22.58	22.39
3	16QAM	1	14	22.56	22.66	22.46
3	16QAM	8	0	21.58	21.84	21.62
3	16QAM	8	4	21.62	21.54	21.58
3	16QAM	8	7	21.55	21.78	21.59
3	16QAM	15	0	21.61	21.66	21.89
3	64QAM	1	0	21.66	21.64	21.56
3	64QAM	1	8	21.65	21.54	21.67
3	64QAM	1	14	21.54	21.82	21.58
3	64QAM	8	0	21.73	21.66	21.78
3	64QAM	8	4	21.60	21.86	21.68
3	64QAM	8	7	21.61	21.64	21.87
3	64QAM	15	0	21.54	21.70	21.80

LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	23.75	23.70	23.58
1.4	QPSK	1	3	23.70	23.73	23.58
1.4	QPSK	1	5	23.73	23.61	23.65
1.4	QPSK	3	0	23.57	23.74	23.72
1.4	QPSK	3	1	23.37	23.70	23.63
1.4	QPSK	3	3	23.70	23.44	23.70
1.4	QPSK	6	0	22.86	22.75	22.84
1.4	16QAM	1	0	22.89	22.69	22.55
1.4	16QAM	1	3	22.66	22.85	22.66
1.4	16QAM	1	5	22.68	22.68	22.67
1.4	16QAM	3	0	22.72	22.66	22.73
1.4	16QAM	3	1	22.55	22.86	22.65
1.4	16QAM	3	3	22.89	22.76	22.79
1.4	16QAM	6	0	21.44	21.44	21.76
1.4	64QAM	1	0	21.55	21.55	21.64
1.4	64QAM	1	3	21.66	21.62	21.73
1.4	64QAM	1	5	21.81	21.54	21.69
1.4	64QAM	3	0	21.62	21.62	21.83
1.4	64QAM	3	1	21.61	21.75	21.69
1.4	64QAM	3	3	21.66	21.56	21.57
1.4	64QAM	6	0	21.51	21.73	21.80

LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.18	23.11	23.31
10	QPSK	1	25	23.16	23.26	23.27
10	QPSK	1	49	23.12	23.24	23.22
10	QPSK	25	0	22.55	22.59	22.69
10	QPSK	25	12	22.62	22.55	22.62
10	QPSK	25	25	22.54	22.62	22.54
10	QPSK	50	0	22.66	22.53	22.37
10	16QAM	1	0	22.45	22.49	22.14
10	16QAM	1	25	22.62	22.55	22.20
10	16QAM	1	49	22.42	22.15	22.30
10	16QAM	25	0	21.55	21.77	21.69
10	16QAM	25	12	21.87	21.74	21.66
10	16QAM	25	25	21.69	21.76	21.58
10	16QAM	50	0	21.87	21.75	21.69
10	64QAM	1	0	21.65	21.66	21.61
10	64QAM	1	25	21.55	21.84	21.57
10	64QAM	1	49	21.69	21.69	21.53
10	64QAM	25	0	20.85	20.83	20.88
10	64QAM	25	12	20.84	20.71	20.56
10	64QAM	25	25	20.88	20.76	20.67
10	64QAM	50	0	20.86	20.78	20.66

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	22.69	23.22	23.24
5	QPSK	1	12	23.02	22.86	23.19
5	QPSK	1	24	23.11	23.14	22.89
5	QPSK	12	0	22.88	22.68	22.34
5	QPSK	12	7	22.64	22.71	22.29
5	QPSK	12	13	22.58	22.62	22.36
5	QPSK	25	0	22.44	22.73	22.08
5	16QAM	1	0	22.16	22.37	22.20
5	16QAM	1	12	22.00	22.23	22.69
5	16QAM	1	24	22.19	22.04	22.49
5	16QAM	12	0	21.88	21.76	21.02
5	16QAM	12	7	21.62	21.58	21.03
5	16QAM	12	13	21.55	21.65	21.07
5	16QAM	25	0	21.62	21.62	21.10
5	64QAM	1	0	21.81	21.72	21.99
5	64QAM	1	12	21.66	21.45	21.53
5	64QAM	1	24	21.56	21.95	21.27
5	64QAM	12	0	20.75	20.53	20.96
5	64QAM	12	7	20.79	20.87	20.25
5	64QAM	12	13	20.78	20.85	20.37
5	64QAM	25	0	20.89	20.74	20.35

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	22.82	23.16	22.96
3	QPSK	1	8	22.82	23.11	23.04
3	QPSK	1	14	22.82	23.24	23.02
3	QPSK	8	0	22.55	22.45	22.66
3	QPSK	8	4	22.62	22.48	22.56
3	QPSK	8	7	22.50	22.54	22.45
3	QPSK	15	0	22.56	22.58	22.37
3	16QAM	1	0	22.64	22.65	22.46
3	16QAM	1	8	22.05	22.83	22.36
3	16QAM	1	14	22.13	22.64	22.44
3	16QAM	8	0	21.56	21.72	21.54
3	16QAM	8	4	21.66	21.77	21.56
3	16QAM	8	7	21.56	21.88	21.66
3	16QAM	15	0	21.55	21.62	21.56
3	64QAM	1	0	21.89	21.77	21.62
3	64QAM	1	8	21.57	21.82	21.26
3	64QAM	1	14	21.62	21.71	21.57
3	64QAM	8	0	20.83	20.67	20.66
3	64QAM	8	4	20.98	20.70	20.52
3	64QAM	8	7	20.78	20.70	20.74
3	64QAM	15	0	20.86	20.71	20.64

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	23.12	23.00	23.21
1.4	QPSK	1	3	23.31	23.06	23.21
1.4	QPSK	1	5	23.20	22.90	22.98
1.4	QPSK	3	0	23.19	23.06	23.08
1.4	QPSK	3	1	23.04	23.14	23.15
1.4	QPSK	3	3	23.13	23.06	23.15
1.4	QPSK	6	0	22.66	22.44	22.61
1.4	16QAM	1	0	22.48	22.44	22.49
1.4	16QAM	1	3	22.55	22.22	22.54
1.4	16QAM	1	5	22.33	22.24	22.54
1.4	16QAM	3	0	22.29	22.08	22.57
1.4	16QAM	3	1	22.49	22.11	22.34
1.4	16QAM	3	3	22.37	22.15	22.24
1.4	16QAM	6	0	21.01	21.55	21.11
1.4	64QAM	1	0	21.82	21.76	21.54
1.4	64QAM	1	3	21.56	21.90	21.66
1.4	64QAM	1	5	21.57	21.73	21.57
1.4	64QAM	3	0	21.58	21.62	21.97
1.4	64QAM	3	1	21.58	21.73	21.56
1.4	64QAM	3	3	21.66	21.92	21.62
1.4	64QAM	6	0	20.89	20.86	20.62

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	21.12	21.15	21.46
20	QPSK	1	49	21.64	21.85	21.62
20	QPSK	1	99	21.36	21.36	21.61
20	QPSK	50	0	20.50	20.56	20.75
20	QPSK	50	24	20.62	20.84	20.76
20	QPSK	50	50	20.80	20.64	20.72
20	QPSK	100	0	20.57	20.64	20.80
20	16QAM	1	0	20.37	20.35	21.00
20	16QAM	1	49	20.62	20.94	20.88
20	16QAM	1	99	20.86	20.01	20.95
20	16QAM	50	0	20.11	20.21	20.33
20	16QAM	50	24	20.08	20.13	20.32
20	16QAM	50	50	20.17	20.04	20.43
20	16QAM	100	0	20.12	19.92	20.30
20	64QAM	1	0	20.19	20.03	20.87
20	64QAM	1	49	20.84	20.88	20.95
20	64QAM	1	99	20.48	20.26	21.08
20	64QAM	50	0	19.50	19.56	19.83
20	64QAM	50	24	19.53	19.57	19.87
20	64QAM	50	50	19.80	19.43	19.81
20	64QAM	100	0	19.61	19.46	19.75

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	21.20	21.28	21.45
15	QPSK	1	37	21.71	21.83	21.92
15	QPSK	1	74	21.42	21.55	21.62
15	QPSK	36	0	20.71	20.77	20.84
15	QPSK	36	20	20.81	20.85	20.93
15	QPSK	36	39	20.91	20.80	20.78
15	QPSK	75	0	20.73	20.76	20.63
15	16QAM	1	0	20.57	20.55	20.32
15	16QAM	1	37	20.82	20.34	20.42
15	16QAM	1	74	20.52	20.21	20.53
15	16QAM	36	0	20.31	20.41	20.53
15	16QAM	36	20	20.28	20.33	20.52
15	16QAM	36	39	20.37	20.24	20.63
15	16QAM	75	0	20.32	20.12	20.50
15	64QAM	1	0	20.39	20.23	20.24
15	64QAM	1	37	20.12	20.22	20.22
15	64QAM	1	74	20.68	20.46	20.14
15	64QAM	36	0	19.70	19.76	19.61
15	64QAM	36	20	19.73	19.77	19.64
15	64QAM	36	39	19.55	19.63	19.52
15	64QAM	75	0	19.81	19.66	19.95

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	21.05	21.13	21.30
10	QPSK	1	25	21.56	21.68	21.77
10	QPSK	1	49	21.27	21.40	21.47
10	QPSK	25	0	20.56	20.62	20.69
10	QPSK	25	12	20.66	20.70	20.78
10	QPSK	25	25	20.76	20.65	20.63
10	QPSK	50	0	20.58	20.61	20.48
10	16QAM	1	0	20.27	20.30	20.17
10	16QAM	1	25	20.13	20.11	20.18
10	16QAM	1	49	20.38	20.11	20.15
10	16QAM	25	0	20.62	20.17	20.25
10	16QAM	25	12	20.22	20.06	20.18
10	16QAM	25	25	20.32	20.28	20.17
10	16QAM	50	0	20.22	20.18	20.28
10	64QAM	1	0	20.17	20.17	20.15
10	64QAM	1	25	20.04	20.22	20.27
10	64QAM	1	49	20.01	20.24	20.25
10	64QAM	25	0	20.24	20.02	20.08
10	64QAM	25	12	19.26	19.32	19.59
10	64QAM	25	25	19.29	19.33	19.25
10	64QAM	50	0	19.56	19.19	19.57

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	21.11	21.19	21.36
5	QPSK	1	12	21.62	21.74	21.56
5	QPSK	1	24	21.33	21.46	21.53
5	QPSK	12	0	20.62	20.68	20.75
5	QPSK	12	7	20.72	20.76	20.84
5	QPSK	12	13	20.82	20.71	20.69
5	QPSK	25	0	20.64	20.67	20.54
5	16QAM	1	0	20.50	20.48	20.55
5	16QAM	1	12	20.75	20.48	20.52
5	16QAM	1	24	20.99	20.14	20.62
5	16QAM	12	0	20.24	20.34	20.46
5	16QAM	12	7	20.21	20.26	20.45
5	16QAM	12	13	20.30	20.17	20.56
5	16QAM	25	0	20.25	20.05	20.43
5	64QAM	1	0	20.32	20.16	20.55
5	64QAM	1	12	20.38	20.11	20.62
5	64QAM	1	24	20.61	20.39	20.45
5	64QAM	12	0	19.63	19.69	19.96
5	64QAM	12	7	19.66	19.70	19.62
5	64QAM	12	13	19.93	19.56	19.94
5	64QAM	25	0	19.74	19.59	19.88

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.11	23.08	23.45
10	QPSK	1	25	23.22	23.37	23.31
10	QPSK	1	49	23.19	23.37	23.24
10	QPSK	25	0	22.18	22.05	22.42
10	QPSK	25	12	22.16	22.23	22.41
10	QPSK	25	25	22.40	22.31	22.38
10	QPSK	50	0	22.27	22.21	22.23
10	16QAM	1	0	22.55	22.36	22.58
10	16QAM	1	25	22.58	22.73	22.59
10	16QAM	1	49	22.77	22.66	22.61
10	16QAM	25	0	21.29	21.17	21.25
10	16QAM	25	12	21.14	21.30	21.34
10	16QAM	25	25	21.38	21.33	21.20
10	16QAM	50	0	21.42	21.23	21.18
10	64QAM	1	0	21.66	21.62	21.44
10	64QAM	1	25	21.42	21.55	21.53
10	64QAM	1	49	21.55	21.54	21.62
10	64QAM	25	0	21.21	21.14	21.23
10	64QAM	25	12	21.15	21.29	21.42
10	64QAM	25	25	21.45	21.34	21.32
10	64QAM	50	0	21.33	21.24	21.22

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	23.22	23.15	23.17
5	QPSK	1	12	23.04	23.36	23.33
5	QPSK	1	24	23.05	23.22	23.25
5	QPSK	12	0	22.05	22.10	22.34
5	QPSK	12	7	22.04	22.25	22.37
5	QPSK	12	13	22.23	22.33	22.49
5	QPSK	25	0	22.34	22.15	22.44
5	16QAM	1	0	22.45	22.52	22.54
5	16QAM	1	12	22.51	22.75	22.52
5	16QAM	1	24	22.47	22.53	22.76
5	16QAM	12	0	21.06	21.08	21.40
5	16QAM	12	7	21.03	21.32	21.49
5	16QAM	12	13	21.11	21.19	21.49
5	16QAM	25	0	21.09	21.22	21.48
5	64QAM	1	0	21.55	21.49	21.55
5	64QAM	1	12	21.62	21.55	21.42
5	64QAM	1	24	21.55	21.56	21.66
5	64QAM	12	0	21.55	21.61	21.38
5	64QAM	12	7	21.34	21.33	21.44
5	64QAM	12	13	21.42	21.27	21.28
5	64QAM	25	0	21.42	21.22	21.42

LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	22.93	23.21	23.34
3	QPSK	1	8	22.95	23.24	23.34
3	QPSK	1	14	23.07	23.22	23.38
3	QPSK	8	0	22.35	22.22	22.48
3	QPSK	8	4	22.53	22.33	22.55
3	QPSK	8	7	22.54	22.27	22.46
3	QPSK	15	0	22.57	22.14	22.49
3	16QAM	1	0	22.42	22.73	22.56
3	16QAM	1	8	22.52	22.68	22.54
3	16QAM	1	14	22.45	22.71	22.56
3	16QAM	8	0	21.55	21.24	21.42
3	16QAM	8	4	21.14	21.29	21.40
3	16QAM	8	7	21.32	21.43	21.58
3	16QAM	15	0	21.16	21.26	21.55
3	64QAM	1	0	21.78	21.59	21.55
3	64QAM	1	8	21.53	21.66	21.62
3	64QAM	1	14	21.37	21.53	21.42
3	64QAM	8	0	21.42	21.18	21.39
3	64QAM	8	4	21.25	21.35	21.68
3	64QAM	8	7	21.54	21.28	21.45
3	64QAM	15	0	21.66	21.42	21.44

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	22.97	23.12	23.41
1.4	QPSK	1	3	22.91	23.18	23.24
1.4	QPSK	1	5	22.95	23.22	23.32
1.4	QPSK	3	0	23.06	23.26	23.24
1.4	QPSK	3	1	22.98	23.29	23.11
1.4	QPSK	3	3	23.13	23.30	23.22
1.4	QPSK	6	0	22.55	22.34	22.51
1.4	16QAM	1	0	22.45	22.63	22.57
1.4	16QAM	1	3	22.36	22.43	22.43
1.4	16QAM	1	5	22.42	22.34	22.53
1.4	16QAM	3	0	22.52	22.25	22.26
1.4	16QAM	3	1	22.46	22.37	22.41
1.4	16QAM	3	3	22.40	22.21	22.48
1.4	16QAM	6	0	21.36	21.38	21.69
1.4	64QAM	1	0	21.42	21.52	21.51
1.4	64QAM	1	3	21.48	21.70	21.68
1.4	64QAM	1	5	21.26	21.53	21.63
1.4	64QAM	3	0	21.44	21.33	21.70
1.4	64QAM	3	1	21.52	21.31	21.70
1.4	64QAM	3	3	21.55	21.34	21.74
1.4	64QAM	6	0	21.32	21.20	21.24

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	23.03	23.19	23.44
10	QPSK	1	25	23.07	23.24	22.96
10	QPSK	1	49	23.23	23.29	23.33
10	QPSK	25	0	23.23	22.27	22.57
10	QPSK	25	12	22.40	22.33	22.48
10	QPSK	25	25	22.31	22.42	22.34
10	QPSK	50	0	22.34	22.32	22.51
10	16QAM	1	0	22.51	22.71	22.55
10	16QAM	1	25	22.55	22.44	22.45
10	16QAM	1	49	22.68	22.75	22.45
10	16QAM	25	0	21.33	21.35	21.59
10	16QAM	25	12	21.34	21.26	21.62
10	16QAM	25	25	21.22	21.28	21.55
10	16QAM	50	0	21.51	21.55	21.53
10	64QAM	1	0	21.52	21.26	21.62
10	64QAM	1	25	21.35	21.55	21.55
10	64QAM	1	49	21.29	21.62	21.68
10	64QAM	25	0	20.97	20.79	20.59
10	64QAM	25	12	20.88	20.55	20.56
10	64QAM	25	25	20.84	20.62	20.56
10	64QAM	50	0	20.58	20.54	20.55

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	23.21	23.22	23.11
5	QPSK	1	12	23.24	23.11	23.41
5	QPSK	1	24	23.15	23.06	23.35
5	QPSK	12	0	22.21	22.34	22.21
5	QPSK	12	7	22.21	22.22	22.28
5	QPSK	12	13	22.05	22.42	22.42
5	QPSK	25	0	22.22	22.22	22.29
5	16QAM	1	0	22.40	22.51	22.54
5	16QAM	1	12	22.78	22.56	22.85
5	16QAM	1	24	22.51	22.61	22.52
5	16QAM	12	0	21.11	21.28	21.12
5	16QAM	12	7	21.19	21.55	21.21
5	16QAM	12	13	21.14	21.26	21.41
5	16QAM	25	0	21.22	21.65	21.29
5	64QAM	1	0	21.56	21.66	21.98
5	64QAM	1	12	21.55	21.66	21.62
5	64QAM	1	24	21.72	21.54	21.56
5	64QAM	12	0	20.44	20.68	20.51
5	64QAM	12	7	20.55	20.83	20.56
5	64QAM	12	13	20.66	20.87	20.54
5	64QAM	25	0	20.54	20.85	20.62

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	24.12	24.36	24.23
20	QPSK	1	49	24.06	24.29	23.83
20	QPSK	1	99	23.82	23.88	23.94
20	QPSK	50	0	23.08	23.51	23.22
20	QPSK	50	24	23.20	23.40	23.35
20	QPSK	50	50	23.22	23.34	23.51
20	QPSK	100	0	23.27	23.34	22.91
20	16QAM	1	0	23.14	23.09	23.07
20	16QAM	1	49	23.24	23.54	23.03
20	16QAM	1	99	23.10	23.09	23.11
20	16QAM	50	0	22.07	22.28	22.00
20	16QAM	50	24	22.17	22.39	22.56
20	16QAM	50	50	22.22	22.42	22.55
20	16QAM	100	0	22.21	22.36	22.62
20	64QAM	1	0	22.68	22.99	22.54
20	64QAM	1	49	22.52	22.42	22.97
20	64QAM	1	99	22.62	22.76	22.31
20	64QAM	50	0	22.34	22.19	22.65
20	64QAM	50	24	22.62	22.26	22.45
20	64QAM	50	50	22.23	22.29	22.51
20	64QAM	100	0	22.25	22.36	22.62

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	23.83	24.11	23.80
15	QPSK	1	37	24.09	24.09	23.76
15	QPSK	1	74	24.10	23.92	24.06
15	QPSK	36	0	23.09	23.31	22.96
15	QPSK	36	20	23.10	23.37	22.91
15	QPSK	36	39	23.12	23.36	23.01
15	QPSK	75	0	23.15	23.28	22.80
15	16QAM	1	0	22.97	23.22	23.02
15	16QAM	1	37	23.21	23.47	22.97
15	16QAM	1	74	23.23	23.04	23.07
15	16QAM	36	0	22.03	22.25	22.26
15	16QAM	36	20	22.05	22.33	22.27
15	16QAM	36	39	22.08	22.21	22.22
15	16QAM	75	0	22.12	22.28	22.16
15	64QAM	1	0	22.37	22.35	22.45
15	64QAM	1	37	22.24	22.34	22.62
15	64QAM	1	74	22.52	22.22	22.50
15	64QAM	36	0	22.10	22.28	22.54
15	64QAM	36	20	22.16	22.35	22.34
15	64QAM	36	39	22.11	22.26	22.62
15	64QAM	75	0	22.11	22.33	22.55

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	24.11	24.20	24.24
10	QPSK	1	25	24.16	24.32	24.11
10	QPSK	1	49	23.94	24.07	24.09
10	QPSK	25	0	23.07	23.37	23.24
10	QPSK	25	12	23.11	23.38	23.11
10	QPSK	25	25	23.12	23.42	23.26
10	QPSK	50	0	23.11	23.42	23.11
10	16QAM	1	0	23.04	23.41	23.55
10	16QAM	1	25	23.21	23.56	23.07
10	16QAM	1	49	23.10	23.37	23.11
10	16QAM	25	0	22.10	22.40	22.27
10	16QAM	25	12	22.17	22.49	22.38
10	16QAM	25	25	22.39	22.50	22.62
10	16QAM	50	0	22.16	22.43	22.52
10	64QAM	1	0	22.66	22.53	22.55
10	64QAM	1	25	22.24	22.51	22.88
10	64QAM	1	49	22.59	22.30	22.66
10	64QAM	25	0	22.62	22.30	22.48
10	64QAM	25	12	22.34	22.38	22.38
10	64QAM	25	25	22.57	22.38	22.52
10	64QAM	50	0	22.21	22.35	22.47

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	24.03	24.04	24.02
5	QPSK	1	12	23.90	24.28	23.96
5	QPSK	1	24	23.76	24.06	24.01
5	QPSK	12	0	23.09	23.34	23.35
5	QPSK	12	7	23.03	23.31	23.34
5	QPSK	12	13	23.05	23.33	23.27
5	QPSK	25	0	22.94	23.34	23.34
5	16QAM	1	0	22.89	23.31	23.14
5	16QAM	1	12	23.01	23.49	23.11
5	16QAM	1	24	23.03	23.24	23.12
5	16QAM	12	0	22.24	22.36	22.42
5	16QAM	12	7	22.31	22.38	22.21
5	16QAM	12	13	22.25	22.38	22.64
5	16QAM	25	0	22.07	22.35	22.75
5	64QAM	1	0	22.86	22.35	22.69
5	64QAM	1	12	22.54	22.52	22.77
5	64QAM	1	24	22.59	22.54	22.46
5	64QAM	12	0	22.12	22.27	22.42
5	64QAM	12	7	22.34	22.33	22.54
5	64QAM	12	13	22.35	22.35	22.57
5	64QAM	25	0	22.25	22.29	22.36

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	/	22.78	/
10	QPSK	1	25	/	22.75	/
10	QPSK	1	49	/	22.58	/
10	QPSK	25	0	/	21.85	/
10	QPSK	25	12	/	21.84	/
10	QPSK	25	25	/	21.82	/
10	QPSK	50	0	/	21.75	/
10	16QAM	1	0	/	21.66	/
10	16QAM	1	25	/	21.56	/
10	16QAM	1	49	/	21.62	/
10	16QAM	25	0	/	20.91	/
10	16QAM	25	12	/	20.83	/
10	16QAM	25	25	/	20.84	/
10	16QAM	50	0	/	20.88	/
10	64QAM	1	0	/	20.88	/
10	64QAM	1	25	/	20.87	/
10	64QAM	1	49	/	20.88	/
10	64QAM	25	0	/	20.76	/
10	64QAM	25	12	/	20.78	/
10	64QAM	25	25	/	20.77	/
10	64QAM	50	0	/	20.81	/

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	22.59	22.63	22.60
5	QPSK	1	12	22.56	22.71	22.70
5	QPSK	1	24	22.47	22.47	22.47
5	QPSK	12	0	21.86	21.84	21.80
5	QPSK	12	7	21.85	21.82	21.84
5	QPSK	12	13	21.80	21.83	21.73
5	QPSK	25	0	21.75	21.77	21.66
5	16QAM	1	0	21.80	21.77	21.81
5	16QAM	1	12	21.90	21.91	21.90
5	16QAM	1	24	21.69	21.75	21.74
5	16QAM	12	0	21.77	21.55	21.62
5	16QAM	12	7	21.55	21.62	21.55
5	16QAM	12	13	21.62	21.55	21.54
5	16QAM	25	0	21.55	21.64	21.56
5	64QAM	1	0	21.74	21.80	21.69
5	64QAM	1	12	21.86	21.80	21.84
5	64QAM	1	24	21.66	21.70	21.61
5	64QAM	12	0	20.81	20.71	20.72
5	64QAM	12	7	20.71	20.71	20.76
5	64QAM	12	13	20.75	20.75	20.72
5	64QAM	25	0	20.74	20.71	20.71

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	/	23.28	/
10	QPSK	1	25	/	23.25	/
10	QPSK	1	49	/	23.08	/
10	QPSK	25	0	/	22.35	/
10	QPSK	25	12	/	22.34	/
10	QPSK	25	25	/	22.32	/
10	QPSK	50	0	/	22.25	/
10	16QAM	1	0	/	22.16	/
10	16QAM	1	25	/	22.06	/
10	16QAM	1	49	/	22.12	/
10	16QAM	25	0	/	21.41	/
10	16QAM	25	12	/	21.33	/
10	16QAM	25	25	/	21.34	/
10	16QAM	50	0	/	21.38	/
10	64QAM	1	0	/	21.38	/
10	64QAM	1	25	/	21.37	/
10	64QAM	1	49	/	21.38	/
10	64QAM	25	0	/	21.26	/
10	64QAM	25	12	/	21.28	/
10	64QAM	25	25	/	21.27	/
10	64QAM	50	0	/	21.31	/

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	23.09	23.13	23.10
5	QPSK	1	12	23.25	23.21	23.20
5	QPSK	1	24	22.97	22.97	22.97
5	QPSK	12	0	22.36	22.34	22.30
5	QPSK	12	7	22.35	22.32	22.34
5	QPSK	12	13	22.30	22.33	22.23
5	QPSK	25	0	22.25	22.27	22.16
5	16QAM	1	0	22.30	22.27	22.31
5	16QAM	1	12	22.40	22.41	22.40
5	16QAM	1	24	22.19	22.25	22.24
5	16QAM	12	0	22.27	22.05	22.12
5	16QAM	12	7	22.05	22.12	22.05
5	16QAM	12	13	22.12	22.05	22.04
5	16QAM	25	0	22.05	22.14	22.06
5	64QAM	1	0	22.24	22.30	22.19
5	64QAM	1	12	22.36	22.30	22.34
5	64QAM	1	24	22.16	22.20	22.11
5	64QAM	12	0	21.31	21.21	21.22
5	64QAM	12	7	21.21	21.21	21.26
5	64QAM	12	13	21.25	21.25	21.22
5	64QAM	25	0	21.24	21.21	21.21

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				40340	40740	41140
Frequency (MHz)				2565	2605	2645
20	QPSK	1	0	23.87	23.60	24.39
20	QPSK	1	49	23.70	23.76	24.11
20	QPSK	1	99	23.97	23.78	24.09
20	QPSK	50	0	23.67	23.45	23.68
20	QPSK	50	24	23.66	23.12	23.42
20	QPSK	50	50	23.57	23.10	23.64
20	QPSK	100	0	23.63	23.13	23.54
20	16QAM	1	0	23.23	23.07	23.11
20	16QAM	1	49	23.22	23.34	23.38
20	16QAM	1	99	23.44	23.07	23.15
20	16QAM	50	0	22.44	22.27	22.32
20	16QAM	50	24	22.65	22.31	22.43
20	16QAM	50	50	22.34	22.30	22.53
20	16QAM	100	0	22.52	22.39	22.48
20	64QAM	1	0	22.44	22.38	22.42
20	64QAM	1	49	22.36	22.42	22.35
20	64QAM	1	99	22.59	22.35	22.37
20	64QAM	50	0	22.33	22.41	22.28
20	64QAM	50	24	22.42	22.22	22.37
20	64QAM	50	50	22.13	22.30	22.49
20	64QAM	100	0	22.36	22.33	22.52

LTE Band 41						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				40315	40740	41165
Frequency (MHz)				2562.5	2605	2647.5
15	QPSK	1	0	23.39	23.70	24.21
15	QPSK	1	37	23.69	23.92	23.89
15	QPSK	1	74	23.53	23.91	23.87
15	QPSK	36	0	23.42	22.90	23.42
15	QPSK	36	20	23.42	22.90	23.50
15	QPSK	36	39	23.21	23.06	23.59
15	QPSK	75	0	23.42	22.91	23.48
15	16QAM	1	0	23.11	22.94	23.27
15	16QAM	1	37	23.22	23.14	23.40
15	16QAM	1	74	23.34	22.89	23.31
15	16QAM	36	0	22.47	22.41	22.33
15	16QAM	36	20	22.22	22.34	22.48
15	16QAM	36	39	22.34	22.50	22.42
15	16QAM	75	0	22.56	22.57	22.44
15	64QAM	1	0	22.53	22.52	22.20
15	64QAM	1	37	22.45	22.40	22.42
15	64QAM	1	74	22.66	22.53	22.35
15	64QAM	36	0	22.62	22.49	22.36
15	64QAM	36	20	22.37	22.63	22.44
15	64QAM	36	39	22.56	22.60	22.46
15	64QAM	75	0	22.57	22.23	22.34

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				40290	40740	41190
Frequency (MHz)				2560	2605	2650
10	QPSK	1	0	23.54	23.84	24.25
10	QPSK	1	25	23.62	23.93	24.19
10	QPSK	1	49	23.51	23.80	24.34
10	QPSK	25	0	23.14	22.90	23.43
10	QPSK	25	12	23.06	23.01	23.55
10	QPSK	25	25	23.17	23.02	23.54
10	QPSK	50	0	23.31	23.11	23.64
10	16QAM	1	0	23.08	23.17	23.44
10	16QAM	1	25	23.17	23.13	23.51
10	16QAM	1	49	23.37	22.90	23.41
10	16QAM	25	0	22.44	22.48	22.42
10	16QAM	25	12	22.51	22.22	22.49
10	16QAM	25	25	22.62	22.28	22.50
10	16QAM	50	0	22.24	22.41	22.53
10	64QAM	1	0	22.62	22.40	22.38
10	64QAM	1	25	22.75	22.20	22.42
10	64QAM	1	49	22.70	22.82	22.51
10	64QAM	25	0	22.57	22.48	22.30
10	64QAM	25	12	22.26	22.37	22.49
10	64QAM	25	25	22.34	22.56	22.48
10	64QAM	50	0	22.62	22.63	22.48

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				40265	40740	41215
Frequency (MHz)				2557.5	2605	2652.5
5	QPSK	1	0	23.87	23.71	24.16
5	QPSK	1	12	23.77	23.90	24.11
5	QPSK	1	24	23.68	23.81	24.35
5	QPSK	12	0	23.11	22.92	23.51
5	QPSK	12	7	23.02	23.01	23.59
5	QPSK	12	13	23.11	22.92	23.55
5	QPSK	25	0	23.14	22.90	23.44
5	16QAM	1	0	22.99	22.80	23.26
5	16QAM	1	12	23.14	23.21	23.42
5	16QAM	1	24	23.29	22.89	23.31
5	16QAM	12	0	22.57	22.55	22.38
5	16QAM	12	7	22.26	22.60	22.54
5	16QAM	12	13	22.36	22.33	22.48
5	16QAM	25	0	22.51	22.59	22.44
5	64QAM	1	0	22.42	22.38	22.42
5	64QAM	1	12	22.52	22.40	22.36
5	64QAM	1	24	22.36	22.38	22.34
5	64QAM	12	0	22.42	22.48	22.34
5	64QAM	12	7	22.49	22.38	22.50
5	64QAM	12	13	22.62	22.32	22.44
5	64QAM	25	0	22.53	22.42	22.29

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	23.66	0.232	23.51	0.224	23.42	0.220
20	QPSK	1	49	23.45	0.221	23.20	0.209	23.28	0.213
20	QPSK	1	99	23.34	0.216	23.46	0.222	23.47	0.222
20	QPSK	50	0	22.51	0.178	22.40	0.174	22.22	0.167
20	QPSK	50	24	22.47	0.177	22.30	0.170	22.25	0.168
20	QPSK	50	50	22.40	0.174	22.37	0.173	22.32	0.171
20	QPSK	100	0	22.44	0.175	22.25	0.168	22.35	0.172
20	16QAM	1	0	22.57	0.181	22.31	0.170	22.21	0.166
20	16QAM	1	49	22.34	0.171	22.63	0.183	22.44	0.175
20	16QAM	1	99	22.35	0.172	22.25	0.168	22.34	0.171
20	16QAM	50	0	21.43	0.139	21.26	0.134	21.42	0.139
20	16QAM	50	24	21.39	0.138	21.36	0.137	21.54	0.143
20	16QAM	50	50	21.55	0.143	21.24	0.133	21.20	0.132
20	16QAM	100	0	21.48	0.141	21.24	0.133	21.44	0.139
20	64QAM	1	0	21.52	0.142	21.64	0.146	21.52	0.142
20	64QAM	1	49	21.44	0.139	21.62	0.145	21.64	0.146
20	64QAM	1	99	21.54	0.143	21.57	0.144	21.56	0.143
20	64QAM	50	0	21.45	0.140	21.38	0.137	21.45	0.140
20	64QAM	50	24	21.39	0.138	21.33	0.136	21.23	0.133
20	64QAM	50	50	21.44	0.139	21.27	0.134	21.54	0.143
20	64QAM	100	0	21.44	0.139	21.24	0.133	21.55	0.143