



# TEST REPORT

**APPLICANT** : ZTE Corporation

**PRODUCT NAME** : WLAN Router

**MODEL NAME** : MC7010CA

**BRAND NAME** : ZTE

**FCC ID** : SRQ-MC7010CA

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

**RECEIPT DATE** : 2021-01-15

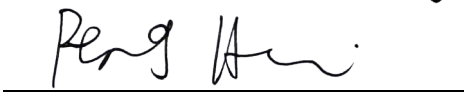
**TEST DATE** : 2021-01-29 to 2021-02-23

**ISSUE DATE** : 2021-03-04

Edited by:

  
Zeng Xiaoying (Rapporteur)

Approved by:

  
Peng Huarui (Supervisor)

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Change History		
Version	Date	Reason for change
1.0	2021-03-04	First edition



# 1. Technical Information

Note: Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	ZTE Corporation
<b>Applicant Address:</b>	ZTE Plaza, Keji Road South, Shenzhen, China.
<b>Manufacturer:</b>	ZTE Corporation
<b>Manufacturer Address:</b>	ZTE Plaza, Keji Road South, Shenzhen, China.

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	WLAN Router	
<b>Serial No.:</b>	(N/A, marked #1 by test site)	
<b>Hardware Version:</b>	MC7010CAHW1.0	
<b>Software Version:</b>	MC7010CAV1.1	
<b>Modulation Type:</b>	QPSK, 16QAM, 64QAM	
<b>Carrier Aggregation:</b>	Not support	
<b>Operation Band:</b>	Band 2 / 4 / 5 / 7 / 12 / 13 / 17 / 25 / 26 / 30 / 66 Band 29 only support receiver	
<b>Frequency Range:</b>	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz–716MHz
		Rx: 729MHz–746MHz
	LTE Band 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz
	LTE Band 17	Tx: 704MHz–716MHz
		Rx: 734MHz–746MHz



<b>Frequency Range:</b>	LTE Band 25	Tx: 1850MHz–1915MHz Rx: 1930MHz–1995MHz
	LTE Band 26	Tx: 824MHz–849MHz Rx: 869MHz–894MHz
	LTE Band 29	Rx: 717MHz–728MHz
	LTE Band 30	Tx: 2305MHz–2315MHz Rx: 2350MHz–2360MHz
	LTE Band 66	Tx: 1710MHz –1780MHz Rx: 2110MHz –2200MHz
	<b>Channel Bandwidth:</b>	LTE Band 2
LTE Band 4		1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
LTE Band 5		1.4MHz, 3MHz, 5MHz, 10MHz
LTE Band 7		5 MHz, 10MHz, 15 MHz, 20 MHz
LTE Band 12		1.4MHz, 3 MHz, 5 MHz, 10MHz
LTE Band 13		5 MHz, 10MHz
LTE Band 17		5 MHz, 10MHz
LTE Band 25		1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
LTE Band 26		1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
LTE Band 30		5 MHz, 10MHz
LTE Band 66		1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
<b>Antenna Type:</b>	Fixed Internal Antenna	
<b>Antenna Gain:</b>	LTE Band 2	1.7dBi
	LTE Band 4	1.7dBi
	LTE Band 5	1.0dBi
	LTE Band 7	1.7dBi
	LTE Band 12	1.0dBi
	LTE Band 13	1.0dBi
	LTE Band 17	1.0dBi
	LTE Band 25	1.7dBi
	LTE Band 26	1.0dBi
	LTE Band 29	1.0dBi
	LTE Band 30	1.7dBi
	LTE Band 66	1.7dBi



<b>Accessory Information:</b>	AC Adapter	
	Brand Name:	ZTE
	Model No.:	POE-A4803
	Serial No.:	(N/A, marked #1 by test site)
	Rated Output:	48V=0.31A
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	ZTE Corporation

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



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

<b>LTE Band 2</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.314	0.265	0.205	18M0G7D	18M0W7D	18M0W7D	
15	0.299	0.274	0.205	13M5G7D	13M5W7D	13M5W7D	
10	0.314	0.262	0.200	8M99G7D	8M98W7D	8M99W7D	
5	0.302	0.278	0.220	4M51G7D	4M52W7D	4M51W7D	
3	0.305	0.261	0.266	2M71G7D	2M72W7D	2M71W7D	
1.4	0.297	0.272	0.210	1M09G7D	1M10W7D	1M09W7D	
<b>LTE Band 4</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.292	0.246	0.184	18M0G7D	18M0W7D	18M0W7D	
15	0.285	0.229	0.185	13M5G7D	13M5W7D	13M5W7D	
10	0.286	0.226	0.184	9M01G7D	8M98W7D	9M01W7D	
5	0.288	0.231	0.181	4M52G7D	4M51W7D	4M53W7D	
3	0.290	0.232	0.245	2M71G7D	2M72W7D	2M72W7D	
1.4	0.291	0.230	0.182	1M09G7D	1M10W7D	1M10W7D	
<b>LTE Band 5</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.156	0.128	0.100	9M05G7D	8M99W7D	9M00W7D	
5	0.147	0.130	0.096	4M51G7D	4M51W7D	4M52W7D	
3	0.151	0.123	0.099	2M72G7D	2M71W7D	2M73W7D	
1.4	0.147	0.122	0.100	1M10G7D	1M10W7D	1M10W7D	
<b>LTE Band 7</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.325	0.279	0.222	18M0G7D	18M0W7D	18M0W7D	
15	0.322	0.268	0.222	13M5G7D	13M5W7D	13M5W7D	
10	0.324	0.295	0.219	9M04G7D	9M00W7D	9M03W7D	
5	0.321	0.290	0.211	4M51G7D	4M51W7D	4M50W7D	
<b>LTE Band 12</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.161	0.141	0.108	8M97G7D	8M98W7D	9M00W7D	
5	0.157	0.136	0.114	4M51G7D	4M50W7D	4M51W7D	
3	0.160	0.142	0.109	2M71G7D	2M71W7D	2M71W7D	
1.4	0.157	0.139	0.108	1M10G7D	1M09W7D	1M10W7D	



<b>LTE Band 13</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.158	0.133	0.115	8M98G7D	8M97W7D	8M97W7D	
5	0.156	0.133	0.102	4M52G7D	4M52W7D	4M53W7D	
<b>LTE Band 17</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.159	0.136	0.112	8M99G7D	8M99W7D	8M99W7D	
5	0.155	0.125	0.102	4M52G7D	4M52W7D	4M51W7D	
<b>LTE Band 25</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.306	0.249	0.201	18M2G7D	18M2W7D	18M2W7D	
15	0.280	0.249	0.204	13M7G7D	13M7W7D	13M7W7D	
10	0.281	0.249	0.208	9M00G7D	8M97W7D	9M00W7D	
5	0.288	0.253	0.194	4M52G7D	4M52W7D	4M51W7D	
3	0.300	0.243	0.198	2M71G7D	2M72W7D	2M71W7D	
1.4	0.300	0.247	0.197	1M09G7D	1M10W7D	1M09W7D	
<b>LTE Band 26</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
15	0.148	0.120	0.095	13M6G7D	13M6W7D	13M6W7D	
10	0.149	0.125	0.102	8M98G7D	8M97W7D	9M00W7D	
5	0.143	0.117	0.093	4M51G7D	4M51W7D	4M50W7D	
3	0.142	0.116	0.099	2M71G7D	2M70W7D	2M71W7D	
1.4	0.145	0.139	0.095	1M09G7D	1M10W7D	1M09W7D	
<b>LTE Band 30</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.247	0.205	0.163	8M98G7D	8M97W7D	8M96W7D	
5	0.247	0.211	0.177	4M53G7D	4M52W7D	4M52W7D	
<b>LTE Band 66</b>		<b>Maximum E.R.P./E.I.R.P. (W)</b>			<b>Emission Designator (99%OBW)</b>		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.299	0.238	0.201	18M0G7D	18M0W7D	18M0W7D	
15	0.290	0.254	0.207	13M4G7D	13M4W7D	13M4W7D	
10	0.292	0.245	0.212	8M94G7D	8M93W7D	8M95W7D	
5	0.292	0.238	0.193	4M51G7D	4M51W7D	4M50W7D	
3	0.272	0.230	0.217	2M71G7D	2M70W7D	2M71W7D	
1.4	0.269	0.245	0.220	1M09G7D	1M09W7D	1M09W7D	



## 1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(a)(3) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Feb 09&16, 2021	Chen Hao Peng Xuwei	PASS	No deviation
2.1049	Occupied Bandwidth	Feb 03, 2021 to Feb 10, 2021	Ling Keye	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Feb 23, 2021	Ling Keye	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Feb 02, 2021 to Feb 10, 2021	Ling Keye	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g)	Conducted Spurious Emissions	Feb 03, 2021 to Feb 18, 2021	Ling Keye	PASS	No deviation





27.53(h) 27.53(m)(4)					
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Band Edge	Feb 03, 2021 to Feb 10, 2021	Ling Keye	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Jan 29, 2021 Feb 18, 2021	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 23.5dB contains two parts that cable loss 13.5dB 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&F&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 2/25, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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

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

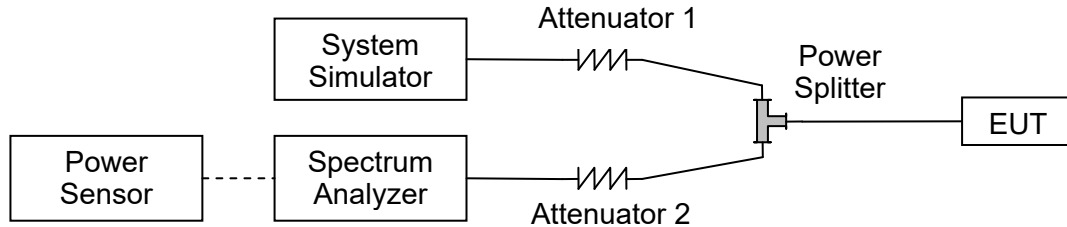
According to FCC section 27.50 (h)(2) for LTE Band 7, Mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

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

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

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

### 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	23.12	23.17	23.18
20	QPSK	1	49	23.27	23.11	23.22
20	QPSK	1	99	23.14	23.12	22.91
20	QPSK	50	0	22.34	22.05	22.01
20	QPSK	50	24	22.11	22.05	22.01
20	QPSK	50	50	22.09	22.08	22.08
20	QPSK	100	0	22.06	22.06	22.09
20	16QAM	1	0	22.29	22.23	22.29
20	16QAM	1	49	22.22	22.22	22.53
20	16QAM	1	99	22.42	22.17	22.50
20	16QAM	50	0	22.12	22.25	22.12
20	16QAM	50	24	22.12	22.42	22.23
20	16QAM	50	50	22.34	22.34	22.24
20	16QAM	100	0	22.12	22.24	22.23
20	64QAM	1	0	21.22	21.41	21.32
20	64QAM	1	49	21.22	21.22	21.19
20	64QAM	1	99	21.24	21.17	21.25
20	64QAM	50	0	21.22	21.01	21.06
20	64QAM	50	24	21.13	21.04	21.02
20	64QAM	50	50	21.06	21.12	21.18
20	64QAM	100	0	21.09	21.05	21.01



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	23.03	23.01	22.90
15	QPSK	1	37	22.91	22.98	22.88
15	QPSK	1	74	23.06	22.90	23.06
15	QPSK	36	0	22.03	22.21	22.29
15	QPSK	36	20	22.13	22.06	22.15
15	QPSK	36	39	22.14	22.04	22.02
15	QPSK	75	0	22.16	22.23	22.04
15	16QAM	1	0	22.61	22.51	22.39
15	16QAM	1	37	22.21	22.46	22.57
15	16QAM	1	74	22.19	22.56	22.67
15	16QAM	36	0	22.34	22.28	22.24
15	16QAM	36	20	22.39	22.20	22.30
15	16QAM	36	39	22.33	22.31	22.31
15	16QAM	75	0	22.36	22.25	22.32
15	64QAM	1	0	21.17	21.27	21.29
15	64QAM	1	37	21.26	21.33	21.41
15	64QAM	1	74	21.08	21.27	21.22
15	64QAM	36	0	21.12	21.03	21.08
15	64QAM	36	20	21.10	21.05	20.96
15	64QAM	36	39	21.07	21.14	21.12
15	64QAM	75	0	21.12	21.06	20.93



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	23.27	23.00	22.98
10	QPSK	1	25	23.13	22.92	23.19
10	QPSK	1	49	22.98	22.92	22.94
10	QPSK	25	0	22.16	22.03	22.04
10	QPSK	25	12	22.07	22.02	22.03
10	QPSK	25	25	22.23	22.06	22.16
10	QPSK	50	0	22.19	22.04	22.06
10	16QAM	1	0	22.12	22.43	22.11
10	16QAM	1	25	22.14	21.95	21.96
10	16QAM	1	49	22.40	22.49	22.46
10	16QAM	25	0	22.37	22.27	22.31
10	16QAM	25	12	22.30	22.27	22.32
10	16QAM	25	25	22.40	22.33	22.40
10	16QAM	50	0	22.24	22.18	22.27
10	64QAM	1	0	21.12	21.12	21.21
10	64QAM	1	25	21.27	21.26	21.11
10	64QAM	1	49	21.12	21.25	21.30
10	64QAM	25	0	21.17	21.04	20.99
10	64QAM	25	12	21.08	21.13	21.05
10	64QAM	25	25	21.10	21.03	21.19
10	64QAM	50	0	21.12	21.06	21.08



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	23.05	22.95	23.08
5	QPSK	1	12	23.00	22.85	22.89
5	QPSK	1	24	23.10	22.96	22.95
5	QPSK	12	0	22.00	22.02	22.00
5	QPSK	12	7	22.18	22.09	22.19
5	QPSK	12	13	22.14	22.12	22.13
5	QPSK	25	0	22.17	22.26	22.09
5	16QAM	1	0	22.22	22.74	22.31
5	16QAM	1	12	22.51	22.61	22.28
5	16QAM	1	24	22.40	22.15	22.19
5	16QAM	12	0	22.40	22.35	22.33
5	16QAM	12	7	22.56	22.35	22.42
5	16QAM	12	13	22.35	22.34	22.45
5	16QAM	25	0	22.49	22.37	22.42
5	64QAM	1	0	21.73	21.47	21.26
5	64QAM	1	12	21.31	21.15	21.22
5	64QAM	1	24	21.36	21.24	21.05
5	64QAM	12	0	21.13	21.28	21.06
5	64QAM	12	7	21.13	21.22	21.03
5	64QAM	12	13	21.13	21.18	21.21
5	64QAM	25	0	21.13	21.01	21.10



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.88	22.93	23.15
3	QPSK	1	8	22.97	22.91	22.93
3	QPSK	1	14	22.93	22.89	22.91
3	QPSK	8	0	22.08	22.24	22.00
3	QPSK	8	4	22.14	22.22	22.04
3	QPSK	8	7	22.09	22.12	22.10
3	QPSK	15	0	22.12	22.15	22.03
3	16QAM	1	0	22.37	22.36	22.39
3	16QAM	1	8	22.47	22.33	22.21
3	16QAM	1	14	22.14	22.12	22.24
3	16QAM	8	0	22.38	22.20	22.26
3	16QAM	8	4	22.34	22.32	22.29
3	16QAM	8	7	22.20	22.31	22.33
3	16QAM	15	0	22.32	22.19	22.19
3	64QAM	1	0	22.55	22.22	22.19
3	64QAM	1	8	22.46	22.25	22.20
3	64QAM	1	14	22.25	22.12	22.32
3	64QAM	8	0	21.18	21.10	20.93
3	64QAM	8	4	21.14	21.07	20.98
3	64QAM	8	7	21.07	21.12	21.05
3	64QAM	15	0	21.23	21.04	21.09





LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.97	22.91	22.94
1.4	QPSK	1	3	23.01	23.03	22.88
1.4	QPSK	1	5	23.01	22.98	23.01
1.4	QPSK	3	0	22.98	22.69	22.62
1.4	QPSK	3	1	22.75	22.99	22.65
1.4	QPSK	3	3	22.86	22.88	22.69
1.4	QPSK	6	0	22.00	22.06	22.02
1.4	16QAM	1	0	22.21	22.65	22.43
1.4	16QAM	1	3	22.38	22.24	22.24
1.4	16QAM	1	5	22.22	22.24	22.12
1.4	16QAM	3	0	22.31	22.19	22.23
1.4	16QAM	3	1	22.32	22.13	22.28
1.4	16QAM	3	3	22.24	22.32	22.24
1.4	16QAM	6	0	22.32	22.09	22.14
1.4	64QAM	1	0	21.36	21.53	21.09
1.4	64QAM	1	3	21.22	21.42	21.29
1.4	64QAM	1	5	21.04	21.19	21.15
1.4	64QAM	3	0	21.14	20.89	21.08
1.4	64QAM	3	1	21.01	21.06	21.06
1.4	64QAM	3	3	21.15	21.06	21.08
1.4	64QAM	6	0	21.05	21.08	21.10



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	22.74	22.96	22.86
20	QPSK	1	49	22.74	22.67	22.74
20	QPSK	1	99	22.82	22.64	22.63
20	QPSK	50	0	21.60	21.70	21.61
20	QPSK	50	24	21.59	21.57	21.41
20	QPSK	50	50	21.52	21.51	21.47
20	QPSK	100	0	21.62	21.48	21.45
20	16QAM	1	0	21.75	22.21	21.97
20	16QAM	1	49	21.97	21.93	21.64
20	16QAM	1	99	21.98	21.73	21.39
20	16QAM	50	0	21.66	21.65	21.57
20	16QAM	50	24	21.58	21.59	21.54
20	16QAM	50	50	21.52	21.51	21.39
20	16QAM	100	0	21.61	21.50	21.47
20	64QAM	1	0	20.88	20.95	20.76
20	64QAM	1	49	20.48	20.51	20.41
20	64QAM	1	99	20.61	20.69	20.76
20	64QAM	50	0	20.66	20.70	20.59
20	64QAM	50	24	20.61	20.60	20.37
20	64QAM	50	50	20.49	20.56	20.39
20	64QAM	100	0	20.64	20.62	20.47



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.87	22.79	22.85
15	QPSK	1	37	22.55	22.84	22.72
15	QPSK	1	74	22.77	22.73	22.67
15	QPSK	36	0	21.71	21.91	21.83
15	QPSK	36	20	21.83	21.82	21.81
15	QPSK	36	39	21.84	21.78	21.71
15	QPSK	75	0	21.78	21.73	21.74
15	16QAM	1	0	21.26	21.33	21.09
15	16QAM	1	37	21.09	21.32	21.26
15	16QAM	1	74	21.11	21.23	21.21
15	16QAM	36	0	21.87	21.86	21.82
15	16QAM	36	20	21.86	21.84	21.90
15	16QAM	36	39	21.56	21.83	21.72
15	16QAM	75	0	21.90	21.83	21.76
15	64QAM	1	0	20.53	20.75	20.73
15	64QAM	1	37	20.50	20.50	20.38
15	64QAM	1	74	20.37	20.66	20.52
15	64QAM	36	0	20.85	20.97	20.83
15	64QAM	36	20	20.80	20.89	20.85
15	64QAM	36	39	20.82	20.83	20.73
15	64QAM	75	0	20.90	20.75	20.78



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	22.77	22.87	22.83
10	QPSK	1	25	22.69	22.68	22.54
10	QPSK	1	49	22.75	22.60	22.60
10	QPSK	25	0	21.86	21.85	21.83
10	QPSK	25	12	21.78	21.84	21.85
10	QPSK	25	25	21.78	21.88	21.74
10	QPSK	50	0	21.84	21.81	21.72
10	16QAM	1	0	21.23	21.59	21.62
10	16QAM	1	25	21.42	21.24	21.21
10	16QAM	1	49	21.45	21.52	21.21
10	16QAM	25	0	21.76	21.62	21.22
10	16QAM	25	12	21.84	21.76	21.83
10	16QAM	25	25	21.79	21.93	21.73
10	16QAM	50	0	21.85	21.80	21.81
10	64QAM	1	0	20.52	20.62	20.35
10	64QAM	1	25	20.44	20.22	20.61
10	64QAM	1	49	20.59	20.34	20.62
10	64QAM	25	0	20.83	20.95	20.79
10	64QAM	25	12	20.82	20.86	20.84
10	64QAM	25	25	20.81	20.79	20.73
10	64QAM	50	0	20.91	20.83	20.69



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.90	22.81	22.81
5	QPSK	1	12	22.58	22.65	22.64
5	QPSK	1	24	22.64	22.72	22.53
5	QPSK	12	0	21.83	21.86	21.89
5	QPSK	12	7	21.81	21.81	21.81
5	QPSK	12	13	21.73	21.85	21.72
5	QPSK	25	0	21.86	21.83	21.69
5	16QAM	1	0	21.34	21.49	21.24
5	16QAM	1	12	21.33	21.43	21.06
5	16QAM	1	24	21.16	21.15	20.80
5	16QAM	12	0	21.90	21.94	21.85
5	16QAM	12	7	21.88	21.71	21.91
5	16QAM	12	13	21.73	21.88	21.81
5	16QAM	25	0	21.90	21.81	21.77
5	64QAM	1	0	20.68	20.68	20.69
5	64QAM	1	12	20.78	20.64	20.66
5	64QAM	1	24	20.78	20.66	20.76
5	64QAM	12	0	20.87	20.81	20.83
5	64QAM	12	7	20.83	20.72	20.82
5	64QAM	12	13	20.68	20.85	20.74
5	64QAM	25	0	20.75	20.81	20.80



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				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	22.83	22.79	22.92
3	QPSK	1	8	22.70	22.55	22.64
3	QPSK	1	14	22.78	22.73	22.56
3	QPSK	8	0	21.74	21.87	21.91
3	QPSK	8	4	21.81	21.80	21.80
3	QPSK	8	7	21.83	21.75	21.74
3	QPSK	15	0	21.79	21.78	21.84
3	16QAM	1	0	21.45	21.31	21.40
3	16QAM	1	8	21.23	21.24	21.33
3	16QAM	1	14	21.07	21.15	20.99
3	16QAM	8	0	21.79	21.96	21.77
3	16QAM	8	4	21.91	21.83	21.85
3	16QAM	8	7	21.82	21.80	21.79
3	16QAM	15	0	21.92	21.91	21.75
3	64QAM	1	0	22.15	22.20	21.55
3	64QAM	1	8	21.41	21.91	21.25
3	64QAM	1	14	21.89	21.86	21.21
3	64QAM	8	0	20.84	20.93	20.87
3	64QAM	8	4	20.85	20.91	20.89
3	64QAM	8	7	20.69	20.74	20.86
3	64QAM	15	0	20.82	20.84	20.77



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.94	22.78	22.86
1.4	QPSK	1	3	22.49	22.69	22.64
1.4	QPSK	1	5	22.79	22.63	22.59
1.4	QPSK	3	0	22.31	22.36	22.34
1.4	QPSK	3	1	22.40	22.34	22.33
1.4	QPSK	3	3	22.21	22.38	22.10
1.4	QPSK	6	0	21.78	21.87	21.74
1.4	16QAM	1	0	21.29	21.29	21.45
1.4	16QAM	1	3	21.11	21.12	21.13
1.4	16QAM	1	5	21.22	21.28	21.19
1.4	16QAM	3	0	21.82	21.92	21.85
1.4	16QAM	3	1	21.86	21.89	21.87
1.4	16QAM	3	3	21.79	21.81	21.80
1.4	16QAM	6	0	21.82	21.84	21.69
1.4	64QAM	1	0	20.29	20.66	20.67
1.4	64QAM	1	3	20.55	20.67	20.66
1.4	64QAM	1	5	20.66	20.56	20.67
1.4	64QAM	3	0	20.62	20.89	20.82
1.4	64QAM	3	1	20.87	20.88	20.90
1.4	64QAM	3	3	20.81	20.71	20.75
1.4	64QAM	6	0	20.85	20.74	20.87



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	22.90	23.07	23.04
10	QPSK	1	25	22.86	22.94	22.87
10	QPSK	1	49	22.84	23.00	22.98
10	QPSK	25	0	21.84	21.93	21.86
10	QPSK	25	12	21.85	21.90	21.90
10	QPSK	25	25	21.90	21.86	21.92
10	QPSK	50	0	21.83	21.92	21.88
10	16QAM	1	0	21.89	21.89	21.91
10	16QAM	1	25	21.73	22.03	21.99
10	16QAM	1	49	21.98	21.83	22.23
10	16QAM	25	0	21.91	21.88	21.86
10	16QAM	25	12	21.87	21.92	21.93
10	16QAM	25	25	21.95	21.92	21.99
10	16QAM	50	0	21.98	21.99	21.86
10	64QAM	1	0	20.93	21.12	20.86
10	64QAM	1	25	20.88	21.06	20.97
10	64QAM	1	49	20.83	21.16	21.16
10	64QAM	25	0	20.93	20.85	20.90
10	64QAM	25	12	20.96	20.90	20.95
10	64QAM	25	25	20.95	20.96	20.90
10	64QAM	50	0	20.95	20.92	20.93





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	22.62	22.61	22.71
5	QPSK	1	12	22.73	22.83	22.71
5	QPSK	1	24	22.62	22.70	22.62
5	QPSK	12	0	21.88	21.89	21.85
5	QPSK	12	7	21.84	21.96	21.89
5	QPSK	12	13	21.75	21.88	21.84
5	QPSK	25	0	21.81	21.90	21.88
5	16QAM	1	0	22.29	22.22	22.21
5	16QAM	1	12	21.98	21.94	22.01
5	16QAM	1	24	21.93	22.01	21.80
5	16QAM	12	0	21.83	21.82	21.37
5	16QAM	12	7	21.45	21.41	21.40
5	16QAM	12	13	21.40	21.36	21.35
5	16QAM	25	0	21.36	21.29	21.33
5	64QAM	1	0	20.87	20.92	20.92
5	64QAM	1	12	20.90	20.95	20.99
5	64QAM	1	24	20.57	20.70	20.67
5	64QAM	12	0	20.87	20.91	20.92
5	64QAM	12	7	20.90	20.88	20.89
5	64QAM	12	13	20.83	20.61	20.83
5	64QAM	25	0	20.84	20.84	20.81



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	22.81	22.59	22.71
3	QPSK	1	8	22.74	22.95	22.78
3	QPSK	1	14	22.93	22.80	22.80
3	QPSK	8	0	21.87	21.82	21.84
3	QPSK	8	4	21.93	21.87	21.88
3	QPSK	8	7	21.93	21.87	21.83
3	QPSK	15	0	21.85	21.93	21.86
3	16QAM	1	0	22.01	21.92	21.86
3	16QAM	1	8	22.05	21.99	21.95
3	16QAM	1	14	21.98	21.95	21.83
3	16QAM	8	0	21.41	21.54	21.46
3	16QAM	8	4	21.48	21.45	21.51
3	16QAM	8	7	21.38	21.43	21.46
3	16QAM	15	0	21.41	21.45	21.40
3	64QAM	1	0	20.94	20.87	20.90
3	64QAM	1	8	20.67	20.62	20.95
3	64QAM	1	14	20.97	20.53	20.97
3	64QAM	8	0	20.89	20.91	20.75
3	64QAM	8	4	20.99	20.89	20.89
3	64QAM	8	7	21.09	20.98	20.84
3	64QAM	15	0	20.94	20.94	20.92



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	22.66	22.68	22.64
1.4	QPSK	1	3	22.76	22.74	22.73
1.4	QPSK	1	5	22.73	22.71	22.69
1.4	QPSK	3	0	22.72	22.72	22.68
1.4	QPSK	3	1	22.76	22.73	22.71
1.4	QPSK	3	3	22.78	22.82	22.71
1.4	QPSK	6	0	21.81	21.79	21.78
1.4	16QAM	1	0	21.84	21.84	21.78
1.4	16QAM	1	3	21.80	22.00	21.98
1.4	16QAM	1	5	21.68	21.88	21.56
1.4	16QAM	3	0	21.70	21.75	21.72
1.4	16QAM	3	1	21.88	21.70	21.75
1.4	16QAM	3	3	21.90	21.87	21.61
1.4	16QAM	6	0	21.91	21.84	21.79
1.4	64QAM	1	0	20.79	20.71	20.74
1.4	64QAM	1	3	20.81	21.02	20.90
1.4	64QAM	1	5	20.79	21.14	20.73
1.4	64QAM	3	0	20.82	20.88	20.89
1.4	64QAM	3	1	20.91	20.88	20.62
1.4	64QAM	3	3	20.83	20.97	20.74
1.4	64QAM	6	0	20.88	20.91	20.80



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	23.22	23.42	23.39
20	QPSK	1	49	23.16	23.35	23.34
20	QPSK	1	99	23.24	23.26	23.39
20	QPSK	50	0	22.34	22.59	22.38
20	QPSK	50	24	22.44	22.34	22.50
20	QPSK	50	50	22.45	22.47	22.45
20	QPSK	100	0	22.35	22.34	22.52
20	16QAM	1	0	22.43	22.62	22.60
20	16QAM	1	49	22.70	22.82	22.75
20	16QAM	1	99	22.56	22.67	22.72
20	16QAM	50	0	22.41	22.39	22.34
20	16QAM	50	24	22.46	22.41	22.52
20	16QAM	50	50	22.47	22.37	22.52
20	16QAM	100	0	22.45	22.41	22.50
20	64QAM	1	0	21.56	21.77	21.64
20	64QAM	1	49	21.48	21.63	21.42
20	64QAM	1	99	21.56	21.54	21.74
20	64QAM	50	0	21.35	21.37	21.45
20	64QAM	50	24	21.42	21.29	21.51
20	64QAM	50	50	21.53	21.47	21.46
20	64QAM	100	0	21.48	21.42	21.46



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	23.18	23.24	23.36
15	QPSK	1	37	23.22	23.21	23.28
15	QPSK	1	74	23.23	23.34	23.38
15	QPSK	36	0	22.25	22.28	22.32
15	QPSK	36	20	22.37	22.46	22.38
15	QPSK	36	39	22.36	22.45	22.36
15	QPSK	75	0	22.39	22.52	22.66
15	16QAM	1	0	22.45	22.43	22.76
15	16QAM	1	37	22.55	22.56	22.63
15	16QAM	1	74	22.33	22.57	22.58
15	16QAM	36	0	22.39	22.29	22.36
15	16QAM	36	20	22.37	22.45	22.49
15	16QAM	36	39	22.39	22.36	22.40
15	16QAM	75	0	22.38	22.37	22.35
15	64QAM	1	0	21.66	21.29	21.47
15	64QAM	1	37	21.51	21.40	21.52
15	64QAM	1	74	21.77	21.63	21.64
15	64QAM	36	0	21.35	21.44	21.37
15	64QAM	36	20	21.46	21.41	21.46
15	64QAM	36	39	21.40	21.45	21.42
15	64QAM	75	0	21.49	21.34	21.41



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	23.20	23.22	23.30
10	QPSK	1	25	23.28	23.32	23.29
10	QPSK	1	49	23.40	23.34	23.35
10	QPSK	25	0	22.32	22.32	22.34
10	QPSK	25	12	22.42	22.50	22.46
10	QPSK	25	25	22.47	22.47	22.46
10	QPSK	50	0	22.32	22.43	22.27
10	16QAM	1	0	22.86	22.36	23.00
10	16QAM	1	25	22.44	22.76	22.83
10	16QAM	1	49	22.77	22.88	22.29
10	16QAM	25	0	22.41	22.21	22.35
10	16QAM	25	12	22.39	22.44	22.42
10	16QAM	25	25	22.43	22.56	22.43
10	16QAM	50	0	22.30	22.34	22.39
10	64QAM	1	0	21.71	21.42	21.51
10	64QAM	1	25	21.40	21.45	21.59
10	64QAM	1	49	21.30	21.58	21.82
10	64QAM	25	0	21.36	21.37	21.27
10	64QAM	25	12	21.37	21.42	21.49
10	64QAM	25	25	21.40	21.42	21.45
10	64QAM	50	0	21.48	21.35	21.33



LTE Band 7						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	23.22	23.28	23.25
5	QPSK	1	12	23.32	23.35	23.34
5	QPSK	1	24	23.33	23.37	23.34
5	QPSK	12	0	22.31	22.39	22.31
5	QPSK	12	7	22.43	22.40	22.44
5	QPSK	12	13	22.45	22.45	22.43
5	QPSK	25	0	22.44	22.26	22.37
5	16QAM	1	0	22.29	22.31	22.92
5	16QAM	1	12	22.27	22.91	22.59
5	16QAM	1	24	22.44	22.49	22.92
5	16QAM	12	0	22.22	22.22	22.42
5	16QAM	12	7	22.44	22.44	22.47
5	16QAM	12	13	22.48	22.39	22.44
5	16QAM	25	0	22.45	22.35	22.31
5	64QAM	1	0	21.54	21.44	21.51
5	64QAM	1	12	21.50	21.42	21.48
5	64QAM	1	24	21.51	21.25	21.29
5	64QAM	12	0	21.32	21.40	21.35
5	64QAM	12	7	21.42	21.40	21.47
5	64QAM	12	13	21.42	21.43	21.49
5	64QAM	25	0	21.37	21.40	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				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.12	23.22	23.14
10	QPSK	1	25	23.16	23.02	23.18
10	QPSK	1	49	23.16	23.11	23.12
10	QPSK	25	0	22.42	22.52	22.09
10	QPSK	25	12	22.15	22.06	22.18
10	QPSK	25	25	22.05	22.18	22.09
10	QPSK	50	0	22.26	22.04	22.02
10	16QAM	1	0	22.29	22.60	22.46
10	16QAM	1	25	22.64	22.51	22.20
10	16QAM	1	49	22.34	22.29	22.48
10	16QAM	25	0	22.11	22.26	22.01
10	16QAM	25	12	22.29	22.07	22.14
10	16QAM	25	25	22.24	22.26	22.17
10	16QAM	50	0	22.03	22.16	22.11
10	64QAM	1	0	21.34	21.25	21.06
10	64QAM	1	25	21.22	21.24	21.16
10	64QAM	1	49	21.21	21.22	21.49
10	64QAM	25	0	21.03	21.22	21.13
10	64QAM	25	12	21.23	21.15	21.22
10	64QAM	25	25	21.29	21.19	21.06
10	64QAM	50	0	21.22	21.15	21.11





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	23.12	22.94	22.93
5	QPSK	1	12	22.84	23.05	22.94
5	QPSK	1	24	23.05	23.03	23.05
5	QPSK	12	0	22.18	22.12	22.12
5	QPSK	12	7	22.10	22.17	22.12
5	QPSK	12	13	22.13	22.15	22.12
5	QPSK	25	0	22.21	22.07	22.01
5	16QAM	1	0	22.33	22.41	22.20
5	16QAM	1	12	22.17	22.19	22.33
5	16QAM	1	24	22.33	22.57	22.47
5	16QAM	12	0	22.21	22.10	22.11
5	16QAM	12	7	22.14	22.09	22.22
5	16QAM	12	13	22.03	22.19	22.07
5	16QAM	25	0	22.27	22.12	22.03
5	64QAM	1	0	21.62	21.60	21.05
5	64QAM	1	12	21.26	21.70	21.39
5	64QAM	1	24	21.25	21.20	21.12
5	64QAM	12	0	21.14	21.10	21.06
5	64QAM	12	7	21.10	21.14	21.05
5	64QAM	12	13	21.08	21.15	21.03
5	64QAM	25	0	21.20	21.17	21.03



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	22.97	23.00	22.89
3	QPSK	1	8	23.15	23.20	23.08
3	QPSK	1	14	23.09	23.07	22.97
3	QPSK	8	0	22.22	22.18	22.08
3	QPSK	8	4	22.18	22.12	22.07
3	QPSK	8	7	22.18	22.18	21.99
3	QPSK	15	0	22.13	22.06	21.99
3	16QAM	1	0	22.05	22.62	21.94
3	16QAM	1	8	22.51	22.15	22.49
3	16QAM	1	14	22.66	22.20	22.12
3	16QAM	8	0	22.27	22.24	22.14
3	16QAM	8	4	22.22	22.20	22.08
3	16QAM	8	7	22.13	22.22	22.07
3	16QAM	15	0	22.15	22.19	22.11
3	64QAM	1	0	21.22	21.53	21.30
3	64QAM	1	8	21.46	21.19	21.38
3	64QAM	1	14	21.27	21.49	21.25
3	64QAM	8	0	21.09	21.19	21.03
3	64QAM	8	4	21.07	21.13	21.03
3	64QAM	8	7	21.12	21.16	20.94
3	64QAM	15	0	21.17	21.05	21.04



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	23.00	23.09	23.02
1.4	QPSK	1	3	23.10	23.01	22.95
1.4	QPSK	1	5	22.89	22.93	22.84
1.4	QPSK	3	0	22.18	22.08	22.02
1.4	QPSK	3	1	22.15	22.13	22.01
1.4	QPSK	3	3	22.12	22.15	22.05
1.4	QPSK	6	0	22.10	22.12	22.02
1.4	16QAM	1	0	22.26	22.59	22.13
1.4	16QAM	1	3	22.23	22.09	22.14
1.4	16QAM	1	5	22.53	22.24	22.12
1.4	16QAM	3	0	22.31	22.10	22.10
1.4	16QAM	3	1	22.10	22.20	22.08
1.4	16QAM	3	3	22.13	22.07	22.01
1.4	16QAM	6	0	22.15	22.18	22.04
1.4	64QAM	1	0	21.32	21.23	21.43
1.4	64QAM	1	3	21.50	21.49	21.44
1.4	64QAM	1	5	21.25	21.02	21.10
1.4	64QAM	3	0	21.27	21.17	21.00
1.4	64QAM	3	1	21.18	21.06	21.00
1.4	64QAM	3	3	21.14	21.14	21.07
1.4	64QAM	6	0	21.13	21.15	21.24



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	23230	/
Frequency (MHz)				/	782	/
10	QPSK	1	0	/	23.15	/
10	QPSK	1	25	/	22.92	/
10	QPSK	1	49	/	22.95	/
10	QPSK	25	0	/	22.42	/
10	QPSK	25	12	/	22.08	/
10	QPSK	25	25	/	22.03	/
10	QPSK	50	0	/	22.16	/
10	16QAM	1	0	/	22.21	/
10	16QAM	1	25	/	22.57	/
10	16QAM	1	49	/	22.39	/
10	16QAM	25	0	/	22.26	/
10	16QAM	25	12	/	22.35	/
10	16QAM	25	25	/	22.24	/
10	16QAM	50	0	/	22.25	/
10	64QAM	1	0	/	21.62	/
10	64QAM	1	25	/	21.55	/
10	64QAM	1	49	/	21.58	/
10	64QAM	25	0	/	21.62	/
10	64QAM	25	12	/	21.75	/
10	64QAM	25	25	/	21.62	/
10	64QAM	50	0	/	21.37	/



LTE Band 13						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23205	23230	23255
Frequency (MHz)				779.5	782	784.5
5	QPSK	1	0	23.08	23.04	23.02
5	QPSK	1	12	22.98	23.09	22.93
5	QPSK	1	24	22.98	22.93	22.93
5	QPSK	12	0	22.08	22.13	21.99
5	QPSK	12	7	22.15	22.16	22.08
5	QPSK	12	13	22.20	22.04	21.99
5	QPSK	25	0	22.11	22.07	21.99
5	16QAM	1	0	22.40	22.33	22.09
5	16QAM	1	12	22.10	22.32	22.08
5	16QAM	1	24	21.97	22.32	22.15
5	16QAM	12	0	22.06	22.15	22.14
5	16QAM	12	7	22.13	22.16	21.98
5	16QAM	12	13	22.13	22.04	22.09
5	16QAM	25	0	22.14	22.19	22.14
5	64QAM	1	0	21.21	21.09	21.20
5	64QAM	1	12	21.09	21.03	21.17
5	64QAM	1	24	21.23	21.07	21.01
5	64QAM	12	0	20.95	21.09	21.22
5	64QAM	12	7	20.99	21.15	21.08
5	64QAM	12	13	21.17	21.12	21.12
5	64QAM	25	0	21.18	21.25	21.22



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	23.16	22.81
10	QPSK	1	25	23.02	22.93	23.02
10	QPSK	1	49	22.99	22.83	22.99
10	QPSK	25	0	22.25	22.33	22.13
10	QPSK	25	12	22.17	22.16	22.22
10	QPSK	25	25	22.23	22.10	22.18
10	QPSK	50	0	22.21	22.23	22.23
10	16QAM	1	0	22.11	22.19	22.13
10	16QAM	1	25	22.23	22.23	22.23
10	16QAM	1	49	22.47	22.49	22.15
10	16QAM	25	0	22.23	21.93	22.27
10	16QAM	25	12	21.83	22.14	21.98
10	16QAM	25	25	21.97	22.14	21.85
10	16QAM	50	0	21.94	21.97	22.00
10	64QAM	1	0	21.64	21.33	21.59
10	64QAM	1	25	21.62	21.29	21.29
10	64QAM	1	49	21.52	21.25	21.33
10	64QAM	25	0	21.29	21.29	21.29
10	64QAM	25	12	21.17	21.25	21.21
10	64QAM	25	25	21.29	20.99	21.33
10	64QAM	50	0	21.03	21.20	21.04



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	22.57	22.74	22.76
5	QPSK	1	12	23.01	23.05	23.05
5	QPSK	1	24	22.89	22.83	22.85
5	QPSK	12	0	22.00	21.97	22.01
5	QPSK	12	7	22.11	22.15	22.16
5	QPSK	12	13	22.08	22.10	22.07
5	QPSK	25	0	22.09	21.98	22.02
5	16QAM	1	0	22.00	21.93	22.13
5	16QAM	1	12	22.05	21.97	22.03
5	16QAM	1	24	22.03	21.94	22.02
5	16QAM	12	0	21.96	22.01	21.99
5	16QAM	12	7	22.11	22.01	22.13
5	16QAM	12	13	22.07	22.06	22.06
5	16QAM	25	0	22.08	22.02	22.06
5	64QAM	1	0	21.13	21.24	21.07
5	64QAM	1	12	21.12	21.23	21.08
5	64QAM	1	24	21.13	21.13	21.13
5	64QAM	12	0	21.23	21.00	21.01
5	64QAM	12	7	21.10	21.03	21.17
5	64QAM	12	13	21.08	21.10	21.03
5	64QAM	25	0	21.04	21.08	21.09



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26140	26365	26590
Frequency (MHz)				1860	1882.5	1905
20	QPSK	1	0	22.79	23.16	23.02
20	QPSK	1	49	22.72	22.68	22.75
20	QPSK	1	99	22.82	22.78	22.55
20	QPSK	50	0	22.07	22.15	22.09
20	QPSK	50	24	22.04	21.96	21.94
20	QPSK	50	50	22.03	21.90	21.90
20	QPSK	100	0	21.82	21.93	21.92
20	16QAM	1	0	22.02	22.05	22.04
20	16QAM	1	49	22.01	21.97	21.85
20	16QAM	1	99	21.97	22.27	21.91
20	16QAM	50	0	20.93	21.08	20.97
20	16QAM	50	24	21.06	21.03	21.06
20	16QAM	50	50	21.13	21.16	20.93
20	16QAM	100	0	20.91	20.93	20.92
20	64QAM	1	0	21.15	21.23	21.05
20	64QAM	1	49	21.03	21.05	21.04
20	64QAM	1	99	21.13	21.02	21.07
20	64QAM	50	0	21.33	20.95	21.06
20	64QAM	50	24	21.13	20.88	20.92
20	64QAM	50	50	20.91	20.94	20.95
20	64QAM	100	0	20.93	21.01	21.06





LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26115	26365	26615
Frequency (MHz)				1857.5	1882.5	1907.5
15	QPSK	1	0	22.47	22.63	22.68
15	QPSK	1	37	22.63	22.72	22.68
15	QPSK	1	74	22.67	22.72	22.77
15	QPSK	36	0	21.98	22.10	22.13
15	QPSK	36	20	22.04	22.16	22.20
15	QPSK	36	39	22.00	22.10	22.14
15	QPSK	75	0	21.97	22.03	22.04
15	16QAM	1	0	21.95	22.12	22.19
15	16QAM	1	37	22.10	22.15	22.26
15	16QAM	1	74	22.12	22.13	22.21
15	16QAM	36	0	21.11	21.17	21.05
15	16QAM	36	20	21.12	21.22	21.17
15	16QAM	36	39	20.98	21.09	21.18
15	16QAM	75	0	21.07	21.14	21.12
15	64QAM	1	0	20.80	21.13	20.82
15	64QAM	1	37	20.87	21.04	20.87
15	64QAM	1	74	21.40	21.01	20.83
15	64QAM	36	0	20.80	20.93	21.17
15	64QAM	36	20	21.01	21.16	21.09
15	64QAM	36	39	21.06	21.12	20.78
15	64QAM	75	0	21.06	20.98	21.15



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26090	26365	26640
Frequency (MHz)				1855	1882.5	1910
10	QPSK	1	0	22.48	22.64	22.69
10	QPSK	1	25	22.64	22.73	22.69
10	QPSK	1	49	22.68	22.73	22.78
10	QPSK	25	0	21.99	22.11	22.14
10	QPSK	25	12	22.05	22.17	22.21
10	QPSK	25	25	22.01	22.11	22.15
10	QPSK	50	0	21.67	21.73	21.74
10	16QAM	1	0	21.86	22.13	22.20
10	16QAM	1	25	22.11	22.16	22.27
10	16QAM	1	49	22.13	22.14	22.22
10	16QAM	25	0	21.12	21.18	21.06
10	16QAM	25	12	21.13	21.23	21.18
10	16QAM	25	25	20.99	21.10	21.19
10	16QAM	50	0	21.08	21.15	21.13
10	64QAM	1	0	21.39	21.36	21.48
10	64QAM	1	25	21.40	21.47	21.47
10	64QAM	1	49	21.47	21.41	21.40
10	64QAM	25	0	21.38	21.06	21.18
10	64QAM	25	12	21.02	21.17	21.10
10	64QAM	25	25	21.07	21.13	21.17
10	64QAM	50	0	21.07	20.99	21.16



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26065	26365	26665
Frequency (MHz)				1852.5	1882.5	1912.5
5	QPSK	1	0	22.78	22.90	22.90
5	QPSK	1	12	22.86	22.59	22.79
5	QPSK	1	24	22.62	22.80	22.83
5	QPSK	12	0	21.84	21.92	22.01
5	QPSK	12	7	21.91	21.90	21.99
5	QPSK	12	13	21.83	21.99	21.97
5	QPSK	25	0	21.90	21.87	21.97
5	16QAM	1	0	21.97	22.33	22.12
5	16QAM	1	12	22.03	22.18	22.06
5	16QAM	1	24	22.13	21.95	21.96
5	16QAM	12	0	21.56	21.53	21.46
5	16QAM	12	7	21.57	21.46	21.58
5	16QAM	12	13	21.54	21.53	21.57
5	16QAM	25	0	20.91	20.95	20.97
5	64QAM	1	0	21.17	21.15	21.07
5	64QAM	1	12	21.13	21.03	21.16
5	64QAM	1	24	21.14	21.13	21.13
5	64QAM	12	0	20.96	21.02	21.09
5	64QAM	12	7	21.13	20.92	21.02
5	64QAM	12	13	20.92	21.03	20.93
5	64QAM	25	0	20.83	20.94	20.94



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26055	26365	26675
Frequency (MHz)				1851.5	1882.5	1913.5
3	QPSK	1	0	22.92	22.84	22.95
3	QPSK	1	8	23.01	22.98	22.98
3	QPSK	1	14	23.07	23.02	22.92
3	QPSK	8	0	21.98	22.01	22.01
3	QPSK	8	4	22.13	22.12	22.16
3	QPSK	8	7	22.12	22.14	22.04
3	QPSK	15	0	22.06	22.08	22.00
3	16QAM	1	0	21.93	22.00	22.15
3	16QAM	1	8	22.13	22.13	22.05
3	16QAM	1	14	22.08	22.16	22.16
3	16QAM	8	0	21.84	21.87	21.94
3	16QAM	8	4	22.03	22.05	21.97
3	16QAM	8	7	21.98	21.97	22.02
3	16QAM	15	0	21.87	21.98	21.91
3	64QAM	1	0	21.11	21.13	21.08
3	64QAM	1	8	21.04	21.25	21.15
3	64QAM	1	14	21.17	21.15	21.27
3	64QAM	8	0	20.94	21.03	21.13
3	64QAM	8	4	21.08	21.13	21.10
3	64QAM	8	7	21.17	21.04	20.97
3	64QAM	15	0	21.05	21.07	20.88



LTE Band 25						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26047	26365	26683
Frequency (MHz)				1850.7	1882.5	1914.3
1.4	QPSK	1	0	23.03	23.07	22.90
1.4	QPSK	1	3	22.91	23.02	22.90
1.4	QPSK	1	5	22.90	22.72	22.83
1.4	QPSK	3	0	22.07	22.09	22.09
1.4	QPSK	3	1	22.04	22.14	22.01
1.4	QPSK	3	3	22.19	22.01	22.10
1.4	QPSK	6	0	22.09	22.11	22.08
1.4	16QAM	1	0	22.05	22.16	22.21
1.4	16QAM	1	3	22.05	22.00	22.11
1.4	16QAM	1	5	22.09	22.06	22.12
1.4	16QAM	3	0	22.22	22.08	22.13
1.4	16QAM	3	1	22.12	22.18	22.12
1.4	16QAM	3	3	21.98	22.22	22.19
1.4	16QAM	6	0	21.62	21.55	21.22
1.4	64QAM	1	0	21.07	21.06	21.17
1.4	64QAM	1	3	21.15	21.17	21.25
1.4	64QAM	1	5	21.07	21.25	21.13
1.4	64QAM	3	0	21.11	21.15	21.06
1.4	64QAM	3	1	21.18	21.02	21.14
1.4	64QAM	3	3	21.13	21.05	21.13
1.4	64QAM	6	0	21.10	21.15	21.03