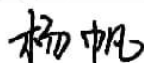
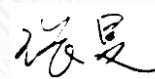


Industrial Internet Innovation Center (Shanghai) Co.,Ltd.**FCC LTE TEST REPORT**

PRODUCT	SIMCom Module
BRAND	SIMCom
MODEL	SIM8262A-M2
APPLICANT	SIMCom Wireless Solutions Limited
FCC ID	2AJYU-8XN0003
ISSUE DATE	February 28,2023
STANDARD(S)	FCC Part 2, FCC Part 22, FCC Part 24,FCC Part27,FCC Part 90

Prepared by: **Wu Rui**Reviewed by: **Yang Fan**Approved by: **Zhang Min****CAUTION:**

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CONTENTS

1. SUMMARY OF TEST REPORT	3
1.1 TEST STANDARD (S)	3
1.2 REFERENCE DOCUMENTS	3
1.3 SUMMARY OF TEST RESULTS	3
1.4 DATA PROVIDED BY APPLICANT	9
2. GENERAL INFORMATION OF THE LABORATORY	11
2.1 TESTING LABORATORY	11
2.2 LABORATORY ENVIRONMENTAL REQUIREMENTS	11
2.3 PROJECT INFORMATION	11
3. GENERAL INFORMATION OF THE CUSTOMER	12
3.1 APPLICANT	12
3.2 MANUFACTURER	12
4. GENERAL INFORMATION OF THE PRODUCT	13
4.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	13
4.2 DESCRIPTION FOR AUXILIARY EQUIPMENT (AE)	13
4.3 ADDITIONAL INFORMATION	13
5. TEST CONFIGURATION INFORMATION	14
5.1 LABORATORY ENVIRONMENTAL CONDITIONS	14
5.2 TEST EQUIPMENTS UTILIZED	14
5.3 MEASUREMENT UNCERTAINTY	15
5.4 SUBCONTRACTING	17
6. TEST RESULTS	18
6.1 OUTPUT POWER	18
6.2 EMISSION LIMIT	176
6.3 FREQUENCY STABILITY	183
6.4 OCCUPIED BANDWIDTH	195
6.5 EMISSION BANDWIDTH	526
6.6 BAND EDGE COMPLIANCE	841
6.7 CONDUCTED SPURIOUS EMISSION	938
6.8 PEAK-TO-AVERAGE POWER RATIO	944
6.9 POWER SPECTRAL DENSITY	946
ANNEX A: REVISED HISTORY	950
ANNEX B: ACCREDITATION CERTIFICATE	951

1. Summary of Test Report

1.1 Test Standard (s)

No.	Test Standard	Title	Version
1	FCC Part 2	FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS	2021-10-01
2	FCC Part 22	PUBLIC MOBILE SERVICES	2021-10-01
3	FCC Part 24	PERSONAL COMMUNICATIONS SERVICES	2021-10-01
4	FCC Part 27	MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES	2021-10-01
5	FCC Part 90	PRIVATE LAND MOBILE RADIO SERVICES	2021-10-01

1.2 Reference Documents

No.	Test Standard	Title	Version
1	ANSI/TIA-603-E	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards	2016
2	ANSI C63.26	American National Standard of Procedures for Compliance Testing of Licensed Transmitters Used in Licensed Radio	2015
3	KDB 971168 D01	Measurement Guidance for Certification of Licensed Digital Transmitters	v03r01

1.3 Summary of Test Results

LTE Band 2

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	24.232(c)	Pass
2	Emission Limit	24.238(a), 2.1051	Pass
3	Frequency Stability	24.235, 2.1055	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass
5	Emission Bandwidth	24.238(a)	Pass
6	Band Edge Compliance	24.238(a)	Pass
7	Conducted Spurious Emission	24.238, 2.1057	Pass
8	Peak to Average Power Ratio	24.232 (d)	Pass

LTE Band 4

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50(d)(4)	Pass
2	Emission Limit	27.53(h), 2.1051	Pass
3	Frequency Stability	27.54, 2.1055	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass
5	Emission Bandwidth	27.53(h)	Pass
6	Band Edge Compliance	27.53(h)	Pass
7	Conducted Spurious Emission	27.53(h), 2.1057	Pass
8	Peak to Average Power Ratio	27.50(a)	Pass

LTE Band 5

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	2.1046(a), 22.913(a)	Pass
2	Emission Limit	22.917, 2.1051	Pass
3	Frequency Stability	22.235, 2.1055	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass
5	Emission Bandwidth	22.917(b)	Pass
6	Band Edge Compliance	22.917(b)	Pass
7	Conducted Spurious Emission	22.917, 2.1057	Pass

LTE Band 7

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50(d)(4)	Pass
2	Emission Limit	27.53(h), 2.1051	Pass
3	Frequency Stability	27.54, 2.1055	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass
5	Emission Bandwidth	27.53(h)	Pass
6	Band Edge Compliance	27.53(h)	Pass
7	Conducted Spurious Emission	27.53(h), 2.1057	Pass
8	Peak to Average Power Ratio	27.50(a)	Pass

LTE Band 12

Items	Test Name	Clause in FCC rules	Verdict
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1	Output Power	27.50(d)(4)	Pass
2	Emission Limit	27.53(h), 2.1051	Pass
3	Frequency Stability	27.54, 2.1055	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass
5	Emission Bandwidth	27.53(h)	Pass
6	Band Edge Compliance	27.53(h)	Pass
7	Conducted Spurious Emission	27.53(h), 2.1057	Pass
8	Peak to Average Power Ratio	27.50(a)	Pass

LTE Band 13

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50(c)(10)	Pass
2	Emission Limit	27.53(g),2.1051	Pass
3	Frequency Stability	27.54, 2.1055	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass
5	Emission Bandwidth	27.53(g)	Pass
6	Band Edge Compliance	27.53(g)	Pass
7	Conducted Spurious Emission	27.53(g),2.1057	Pass
8	Peak to Average Power Ratio	27.50(a)	Pass

LTE Band 14

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	90.542	Pass
2	Emission Limit	90.543 (e)	Pass
3	Frequency Stability	90.213(a)	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass
5	Emission Bandwidth	90.209 (b)	Pass
6	Band Edge Compliance	90.543 (e)	Pass
7	Conducted Spurious Emission	90.543 (e)	Pass

LTE Band 17

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50(d)(4)	Pass
2	Emission Limit	27.53(h), 2.1051	Pass
3	Frequency Stability	27.54, 2.1055	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass

5	Emission Bandwidth	27.53(h)	Pass
6	Band Edge Compliance	27.53(h)	Pass
7	Conducted Spurious Emission	27.53(h), 2.1057	Pass
8	Peak to Average Power Ratio	27.50(a)	Pass

LTE Band 25

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	2.1046,24.232	Pass
2	Emission Limit	2.1053,24.238	Pass
3	Frequency Stability	2.1055,24.235	Pass
4	Occupied Bandwidth	2.1049,24.238	Pass
5	Emission Bandwidth	2.1049,24.238	Pass
6	Band Edge Compliance	2.1049,24.238	Pass
7	Conducted Spurious Emission	2.1049,24.238	Pass
8	Peak to Average Power Ratio	2.1049,24.238	Pass

LTE Band 26(Part 22)

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	2.1046(a), 22.913(a)	Pass
2	Emission Limit	22.917, 2.1051	Pass
3	Frequency Stability	22.235, 2.1055	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass
5	Emission Bandwidth	22.917(b)	Pass
6	Band Edge Compliance	22.917(b)	Pass
7	Conducted Spurious Emission	22.917, 2.1057	Pass

LTE Band 26(Part 90)

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	90.635(b)	Pass
2	Emission Limit	90.669	Pass
3	Frequency Stability	90.213(a)	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass
5	Emission Bandwidth	90.209 (b)	Pass
6	Band Edge Compliance	90.669	Pass
7	Conducted Spurious Emission	90.669	Pass

LTE Band 30

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50 (a) (3)	Pass
2	Emission Limit	27.53(a)(4)	Pass
3	Frequency Stability	27.54	Pass
4	Occupied Bandwidth	27.53(a), 2.1049(h)(i)	Pass
5	Emission Bandwidth	27.53(a), 2.1049(h)(i)	Pass
6	Band Edge Compliance	27.53(a)(4)	Pass
7	Conducted Spurious Emission	27.53(a)(4)	Pass
8	Peak to Average Power Ratio	27.50 (a)	Pass
9	Power Spectral Density	27.50 (a) (3)	Pass

LTE Band 38

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50(d)(4)	Pass
2	Emission Limit	27.53(h), 2.1051	Pass
3	Frequency Stability	27.54, 2.1055	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass
5	Emission Bandwidth	27.53(h)	Pass
6	Band Edge Compliance	27.53(h)	Pass
7	Conducted Spurious Emission	27.53(h), 2.1057	Pass
8	Peak to Average Power Ratio	27.50(a)	Pass

LTE Band 41

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50(d)(4)	Pass
2	Emission Limit	27.53(h), 2.1051	Pass
3	Frequency Stability	27.54, 2.1055	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass
5	Emission Bandwidth	27.53(h)	Pass
6	Band Edge Compliance	27.53(h)	Pass
7	Conducted Spurious Emission	27.53(h), 2.1057	Pass
8	Peak to Average Power Ratio	27.50(a)	Pass

LTE Band 42(Part 27)

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50 (k) (3)	Pass
2	Emission Limit	27.53(n)(2)	Pass
3	Frequency Stability	27.54	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass
5	Emission Bandwidth	2.1049(h)(i)	Pass
6	Band Edge Compliance	27.53(n)(2)	Pass
7	Conducted Spurious Emission	27.53(n)(2)	Pass
8	Peak to Average Power Ratio	27.50 (k) (4)	Pass

LTE Band 43(Part 27)

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50 (j) (3)	Pass
2	Emission Limit	27.53(l)(2)	Pass
3	Frequency Stability	27.54	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass
5	Emission Bandwidth	2.1049(h)(i)	Pass
6	Band Edge Compliance	27.53(l)(2)	Pass
7	Conducted Spurious Emission	27.53(l)(2)	Pass
8	Peak to Average Power Ratio	27.50 (j) (4)	Pass

LTE Band 66

Items	Test Name	Clause in FCC rules	Verdict
1	Output Power	27.50(d)(4)	Pass
2	Emission Limit	27.53(h), 2.1051	Pass
3	Frequency Stability	27.54, 2.1055	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass
5	Emission Bandwidth	27.53(h)	Pass
6	Band Edge Compliance	27.53(h)	Pass
7	Conducted Spurious Emission	27.53(h), 2.1057	Pass
8	Peak to Average Power Ratio	27.50(a)	Pass

LTE Band 71

Items	Test Name	Clause in FCC rules	Verdict
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1	Output Power	27.50(c)(10)	Pass
2	Emission Limit	27.53(g),2.1051	Pass
3	Frequency Stability	27.54, 2.1055	Pass
4	Occupied Bandwidth	2.1049(h)(i)	Pass
5	Emission Bandwidth	27.53(g)	Pass
6	Band Edge Compliance	27.53(g)	Pass
7	Conducted Spurious Emission	27.53(g),2.1057	Pass
8	Peak to Average Power Ratio	27.50(a)	Pass

Note:

The SIM8262A-M2, manufactured by SIMCom Wireless Solutions Limited is a new product for testing.

We subcontracted LTE Band 43C.

Industrial Internet Innovation Center (Shanghai) Co., Ltd. only performed test cases which identified with Pass/Fail/Inc result in section 1.3.

Industrial Internet Innovation Center (Shanghai) Co., Ltd. has verified that the compliance of the tested device specified in section 4 of this test report is successfully evaluated according to the procedure and test methods as defined in type certification requirement listed in section 1 of this test report.

1.4 Data Provided by Applicant

No.	Item(s)	Data
1	LTE band 2	1.35 dBi
2	LTE band 4	1.25 dBi
3	LTE band 5	1.58 dBi
4	LTE band 7	1.15 dBi
5	LTE band 12	0.73 dBi
6	LTE band 13	1.01 dBi
7	LTE band 14	1.32 dBi
8	LTE band 17	1.15 dBi
9	LTE band 25	0.83 dBi
10	LTE band 26	1.48 dBi
11	LTE band 30	1.25 dBi
12	LTE band 38	1.01 dBi

13	LTE band 41	1.13 dBi
14	LTE band 42	1.44 dBi
15	LTE band 43	1.12 dBi
16	LTE band 66	1.25 dBi
17	LTE band 71	0.74 dBi
Note: The data of 1.4 is provided by the customer may affect the validity of the test results in this report, and the impact and consequences of this shall be undertaken by the customer.		

2. General Information of The Laboratory

2.1 Testing Laboratory

Lab Name	Industrial Internet Innovation Center (Shanghai) Co.,Ltd.
Address	Building 4, No. 766, Jingang Road, Pudong, Shanghai, China
Telephone	021-68866880
FCC Registration No.	958356
FCC Designation No.	CN1177
IC Designation No.	10766A
CAB identifier	CN0067

2.2 Laboratory Environmental Requirements

Temperature	15°C~35°C
Relative Humidity	25%RH~75%RH
Atmospheric Pressure	101kPa

2.3 Project Information

Project Manager	Zhang Heng
Test Date	August 30, 2022 to February 28, 2023

3. General Information of The Customer

3.1 Applicant

Company	SIMCom Wireless Solutions Limited
Address	SIMCom Headquarters Building, Building 3, No.289 Linhong Road, Changning District, Shanghai, China
Telephone	86 21 3157 5100

3.2 Manufacturer

Company	SIMCom Wireless Solutions Limited
Address	SIMCom Headquarters Building, Building 3, No.289 Linhong Road, Changning District, Shanghai, China

4. General Information of The Product12

4.1 Product Description for Equipment under Test (EUT)

Product	SIMCom Module
Model	SIM8262A-M2
Date of Receipt	S01aa/S05aa/ S05ab:August 29,2022
EUT ID*	S01aa/S05aa/S05ab
SN/IMEI	S01aa: 866713060007243 S05aa:/ S05ab:866713060007631
Supported Radio Technology and Bands	WCDMA Band II/IV/V LTE Band 2/4/5/7/12/13/14/17/25/26/30/41/42/43/48/66/71 5G NR n2/n5/n7/n12/n13/n14/n25/n26/n30/n38/n41/n66/n71/n77/n78
Hardware Version	V1.02
Software Version	2212B02X62M44A-M2
FCC ID	2AJYU-8XN0003
NOTE: EUT ID is the internal identification code of the laboratory.	

4.2 Description for Auxiliary Equipment (AE)

AE ID*	Description	Model	SN/Remark
AE1	RF Cable	N/A	N/A
NOTE: AE ID is the internal identification code of the laboratory.			

4.3 Additional Information

Type of modulation	QPSK/16QAM/64QAM/256QAM
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5. Test Configuration Information

5.1 Laboratory Environmental Conditions

5.1.1 Permanent Facilities

Relative Humidity	Min. = 45%, Max. = 55%		
Atmospheric Pressure	101kPa		
Temperature	Normal	Minimum	Maximum
	25°C	-30°C	70°C
Working Voltage of EUT	Normal	Minimum	Maximum
	3.8V	3.135V	4.4V

5.2 Test Equipments Utilized

Radiated emission test system

No.	Name	Model	S/N	Manufacturer	Cal. Date	Cal. Interval
1	Universal Radio Communication Tester	CMU200	123123	R&S	October 17,2022	1 Year
					May 10,2021	1.5 Years
2	Universal Radio Communication Tester	CMW500	104178	R&S	October 17,2022	1 Year
					May 10,2021	1.5 Years
3	EMI Test Receiver	ESU40	100307	R&S	February 23, 2022	1 Year
					December 29,2022	
4	TRILOG Broadband Antenna	VULB9163	VULB9163-515	Schwarzbeck	March 11, 2022	1 Year
5	Double- ridged Waveguide Antenna	ETS-3117	00135890	ETS	March 9, 2022	2 Years
6	2-Line V-Network	ENV216	101380	R&S	February 21, 2022	1 Year
					December 12,2022	1 Year
7	EMI Test Software	EMC32 V9.15.00	N/A	R&S	N/A	N/A

Anechoic chamber

Fully anechoic chamber by ETS.

Conducted Test System

No.	Name	Model	S/N	Manufacturer	Cal. Date	Cal. Interval
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1	Universal Radio Communication Tester	CMW500	148874	R&S	August. 23,2022	1 Year
2	Vector Signal Analyzer	FSQ26	101091	R&S	August. 23,2022	1 Year
3	EMI Test Receiver	ESU40	100307	R&S	February 23, 2022 December 29,2022	1 Year
4	Signal Analyzer	N9020A	MY51240233	Agilent	August. 22,2022	1 Year
5	Signal Analyzer	N9020A	N9020A	Keysight	May 14, 2022	1 Year
6	Programmable power supply	Keithley 2303	4039070	Keithley	July 12,2022	1 Year
7	Eagle Test Software	Eagle V3.3 FCC BT/WIFI	N/A	ECIT	N/A	N/A
8	Temperature Chamber	B-TF-107C	BTF107C-201804107	BoYi	June 30,2022	1Year

5.3 Measurement Uncertainty

Measurement Items	Range	Confidence Level	Calculated Uncertainty
Peak Output Power-Conducted	2412MHz-2462MHz	95%	0.544dB
Peak Power Spectral Density	2412MHz-2462MHz	95%	0.502dB
Occupied 6dB Bandwidth	2412MHz-2462MHz	95%	69.26kHz
Band Edges-Conducted	2412MHz-2462MHz	95%	0.544dB
Conducted Emission	30MHz-2GHz	95%	0.90dB
Conducted Emission	2GHz-3.6GHz	95%	0.88dB
Conducted Emission	3.6GHz-8GHz	95%	0.96dB
Conducted Emission	8GHz-20GHz	95%	0.94dB
Conducted Emission	20GHz-22GHz	95%	0.88dB
Conducted Emission	22GHz-26GHz	95%	0.86dB
Transmitter Spurious Emission-Radiated	9KHz-30MHz	95%	5.66dB
Transmitter Spurious Emission-Radiated	30MHz-1000MHz	95%	4.98dB

Transmitter Spurious Emission-Radiated	1000MHz -18000MHz	95%	5.06dB
Transmitter Spurious Emission-Radiated	18000MHz -40000MHz	95%	5.20dB
AC Power line Conducted Emission	0.15MHz-30MHz	95%	3.66 dB

5.4 Subcontracting

Lab Name	TA Technology (Shanghai) Co., Ltd.
FCC	FCC (Designation number: CN1179,Test Firm Registration Number: 446626)
A2LA	A2LA (Certificate Number: 3857.01)
Address	Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
Telephone	FAX: +86-021-50791141/2/3-8000 TEL: +86-021-50791141/2/3
Note:TATechnology(Shanghai)Co., Ltd. has been listed on the US Federal Communications Commissionlist of test facilities recognized to perform electromagnetic emissions measurements. TATechnology(Shanghai)Co., Ltd.has been listed by American Association for Laboratory Accreditation toperform electromagnetic emission measurement.	

6. Test Results

6.1 Output Power

6.1.1 Summary

During the process of testing, the EUT was controlled via Rhode & Schwarz Digital Radio Communication tester (CMW500) to ensure max power transmission and proper modulation. In all cases, output power is within the specified limits.

CMW500 setting:

- 1: CMW500 is connected to the DUT
- 2: Set RX Expected PEP to 30 dBm

6.1.2 Conducted

6.1.2.1 Method of Measurements

The EUT was set up for the max output power with pseudo random data modulation. These measurements were done at 3 frequencies (bottom, middle and top of operational frequency range) for each bandwidth.

6.1.2.2 Test Setup



6.1.2.3 Measurement result

LTE BAND 2

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
1.4MHz	1 RB low	1850.7	QPSK	21.55
1.4MHz	50% RB mid	1850.7	QPSK	21.68
1.4MHz	1 RB high	1850.7	QPSK	21.69
1.4MHz	100% RB	1850.7	QPSK	21.16
1.4MHz	1 RB low	1850.7	16QAM	21.34
1.4MHz	50% RB mid	1850.7	16QAM	21.40
1.4MHz	1 RB high	1850.7	16QAM	21.11
1.4MHz	100% RB	1850.7	16QAM	20.27
1.4MHz	1 RB low	1850.7	64QAM	20.98
1.4MHz	1 RB high	1850.7	64QAM	21.09
1.4MHz	50% RB mid	1850.7	64QAM	20.85
1.4MHz	100% RB	1850.7	64QAM	19.79
1.4MHz	1 RB low	1880	QPSK	21.46
1.4MHz	50% RB mid	1880	QPSK	21.60
1.4MHz	1 RB high	1880	QPSK	21.52
1.4MHz	100% RB	1880	QPSK	21.07
1.4MHz	1 RB low	1880	16QAM	21.19
1.4MHz	50% RB mid	1880	16QAM	21.22
1.4MHz	1 RB high	1880	16QAM	21.21
1.4MHz	100% RB	1880	16QAM	20.08
1.4MHz	1 RB low	1880	64QAM	19.94

1.4MHz	1 RB high	1880	64QAM	19.93
1.4MHz	50% RB mid	1880	64QAM	20.01
1.4MHz	100% RB	1880	64QAM	18.90
1.4MHz	1 RB low	1909.3	QPSK	21.43
1.4MHz	50% RB mid	1909.3	QPSK	21.49
1.4MHz	1 RB high	1909.3	QPSK	21.43
1.4MHz	100% RB	1909.3	QPSK	20.94
1.4MHz	1 RB low	1909.3	16QAM	20.94
1.4MHz	50% RB mid	1909.3	16QAM	21.05
1.4MHz	1 RB high	1909.3	16QAM	20.93
1.4MHz	100% RB	1909.3	16QAM	20.10
1.4MHz	1 RB low	1909.3	64QAM	21.09
1.4MHz	1 RB high	1909.3	64QAM	21.13
1.4MHz	50% RB mid	1909.3	64QAM	21.16
1.4MHz	100% RB	1909.3	64QAM	19.98
3MHz	1 RB low	1851.5	QPSK	21.66
3MHz	50% RB mid	1851.5	QPSK	21.25
3MHz	1 RB high	1851.5	QPSK	21.62
3MHz	100% RB	1851.5	QPSK	21.27
3MHz	1 RB low	1851.5	16QAM	21.43
3MHz	50% RB mid	1851.5	16QAM	20.35
3MHz	1 RB high	1851.5	16QAM	21.42
3MHz	100% RB	1851.5	16QAM	20.30
3MHz	1 RB low	1851.5	64QAM	20.98
3MHz	1 RB high	1851.5	64QAM	20.83
3MHz	50% RB mid	1851.5	64QAM	19.63
3MHz	100% RB	1851.5	64QAM	19.58
3MHz	1 RB low	1880	QPSK	21.66
3MHz	50% RB mid	1880	QPSK	21.24
3MHz	1 RB high	1880	QPSK	21.66
3MHz	100% RB	1880	QPSK	21.18
3MHz	1 RB low	1880	16QAM	21.25
3MHz	50% RB mid	1880	16QAM	20.37
3MHz	1 RB high	1880	16QAM	21.24
3MHz	100% RB	1880	16QAM	20.12
3MHz	1 RB low	1880	64QAM	20.48
3MHz	1 RB high	1880	64QAM	20.46
3MHz	50% RB mid	1880	64QAM	19.54
3MHz	100% RB	1880	64QAM	19.49
3MHz	1 RB low	1908.5	QPSK	21.47
3MHz	50% RB mid	1908.5	QPSK	21.07
3MHz	1 RB high	1908.5	QPSK	21.43
3MHz	100% RB	1908.5	QPSK	21.06
3MHz	1 RB low	1908.5	16QAM	21.10
3MHz	50% RB mid	1908.5	16QAM	20.12
3MHz	1 RB high	1908.5	16QAM	21.09
3MHz	100% RB	1908.5	16QAM	20.10
3MHz	1 RB low	1908.5	64QAM	20.72
3MHz	1 RB high	1908.5	64QAM	20.45
3MHz	50% RB mid	1908.5	64QAM	19.54
3MHz	100% RB	1908.5	64QAM	19.44

5MHz	1 RB low	1852.5	QPSK	21.78
5MHz	50% RB mid	1852.5	QPSK	21.28
5MHz	1 RB high	1852.5	QPSK	21.75
5MHz	100% RB	1852.5	QPSK	21.28
5MHz	1 RB low	1852.5	16QAM	21.28
5MHz	50% RB mid	1852.5	16QAM	20.44
5MHz	1 RB high	1852.5	16QAM	21.24
5MHz	100% RB	1852.5	16QAM	20.30
5MHz	1 RB low	1852.5	64QAM	20.55
5MHz	1 RB high	1852.5	64QAM	20.59
5MHz	50% RB mid	1852.5	64QAM	19.67
5MHz	100% RB	1852.5	64QAM	19.58
5MHz	1 RB low	1880	QPSK	21.75
5MHz	50% RB mid	1880	QPSK	21.26
5MHz	1 RB high	1880	QPSK	21.75
5MHz	100% RB	1880	QPSK	21.12
5MHz	1 RB low	1880	16QAM	21.40
5MHz	50% RB mid	1880	16QAM	20.32
5MHz	1 RB high	1880	16QAM	21.39
5MHz	100% RB	1880	16QAM	20.18
5MHz	1 RB low	1880	64QAM	20.54
5MHz	1 RB high	1880	64QAM	20.66
5MHz	50% RB mid	1880	64QAM	19.51
5MHz	100% RB	1880	64QAM	19.43
5MHz	1 RB low	1907.5	QPSK	21.60
5MHz	50% RB mid	1907.5	QPSK	21.02
5MHz	1 RB high	1907.5	QPSK	21.60
5MHz	100% RB	1907.5	QPSK	21.02
5MHz	1 RB low	1907.5	16QAM	21.36
5MHz	50% RB mid	1907.5	16QAM	20.09
5MHz	1 RB high	1907.5	16QAM	21.31
5MHz	100% RB	1907.5	16QAM	20.00
5MHz	1 RB low	1907.5	64QAM	20.69
5MHz	1 RB high	1907.5	64QAM	20.48
5MHz	50% RB mid	1907.5	64QAM	19.55
5MHz	100% RB	1907.5	64QAM	19.37
10MHz	1 RB low	1855	QPSK	21.70
10MHz	50% RB mid	1855	QPSK	21.31
10MHz	1 RB high	1855	QPSK	21.76
10MHz	100% RB	1855	QPSK	21.31
10MHz	1 RB low	1855	16QAM	21.37
10MHz	50% RB mid	1855	16QAM	20.40
10MHz	1 RB high	1855	16QAM	21.37
10MHz	100% RB	1855	16QAM	20.37
10MHz	1 RB low	1855	64QAM	20.77
10MHz	1 RB high	1855	64QAM	20.75
10MHz	50% RB mid	1855	64QAM	19.67
10MHz	100% RB	1855	64QAM	19.60
10MHz	1 RB low	1880	QPSK	21.72
10MHz	50% RB mid	1880	QPSK	21.20
10MHz	1 RB high	1880	QPSK	21.76

10MHz	100% RB	1880	QPSK	21.22
10MHz	1 RB low	1880	16QAM	21.33
10MHz	50% RB mid	1880	16QAM	20.26
10MHz	1 RB high	1880	16QAM	21.30
10MHz	100% RB	1880	16QAM	20.21
10MHz	1 RB low	1880	64QAM	20.55
10MHz	1 RB high	1880	64QAM	20.64
10MHz	50% RB mid	1880	64QAM	19.50
10MHz	100% RB	1880	64QAM	19.49
10MHz	1 RB low	1905	QPSK	21.64
10MHz	50% RB mid	1905	QPSK	21.10
10MHz	1 RB high	1905	QPSK	21.55
10MHz	100% RB	1905	QPSK	21.13
10MHz	1 RB low	1905	16QAM	21.34
10MHz	50% RB mid	1905	16QAM	20.18
10MHz	1 RB high	1905	16QAM	21.28
10MHz	100% RB	1905	16QAM	20.15
10MHz	1 RB low	1905	64QAM	20.72
10MHz	1 RB high	1905	64QAM	20.54
10MHz	50% RB mid	1905	64QAM	19.52
10MHz	100% RB	1905	64QAM	19.52
15MHz	1 RB low	1857.5	QPSK	21.61
15MHz	50% RB mid	1857.5	QPSK	21.25
15MHz	1 RB high	1857.5	QPSK	21.68
15MHz	100% RB	1857.5	QPSK	21.24
15MHz	1 RB low	1857.5	16QAM	21.34
15MHz	50% RB mid	1857.5	16QAM	20.28
15MHz	1 RB high	1857.5	16QAM	21.39
15MHz	100% RB	1857.5	16QAM	20.28
15MHz	1 RB low	1857.5	64QAM	20.47
15MHz	1 RB high	1857.5	64QAM	20.59
15MHz	50% RB mid	1857.5	64QAM	19.42
15MHz	100% RB	1857.5	64QAM	19.44
15MHz	1 RB low	1880	QPSK	21.71
15MHz	50% RB mid	1880	QPSK	21.20
15MHz	1 RB high	1880	QPSK	21.57
15MHz	100% RB	1880	QPSK	21.16
15MHz	1 RB low	1880	16QAM	21.36
15MHz	50% RB mid	1880	16QAM	20.21
15MHz	1 RB high	1880	16QAM	21.19
15MHz	100% RB	1880	16QAM	20.15
15MHz	1 RB low	1880	64QAM	20.43
15MHz	1 RB high	1880	64QAM	20.53
15MHz	50% RB mid	1880	64QAM	19.34
15MHz	100% RB	1880	64QAM	19.37
15MHz	1 RB low	1902.5	QPSK	21.62
15MHz	50% RB mid	1902.5	QPSK	21.13
15MHz	1 RB high	1902.5	QPSK	21.42
15MHz	100% RB	1902.5	QPSK	21.16
15MHz	1 RB low	1902.5	16QAM	21.25
15MHz	50% RB mid	1902.5	16QAM	20.14

15MHz	1 RB high	1902.5	16QAM	21.02
15MHz	100% RB	1902.5	16QAM	20.14
15MHz	1 RB low	1902.5	64QAM	20.46
15MHz	1 RB high	1902.5	64QAM	20.42
15MHz	50% RB mid	1902.5	64QAM	19.32
15MHz	100% RB	1902.5	64QAM	19.38
20MHz	1 RB low	1860	QPSK	21.68
20MHz	50% RB mid	1860	QPSK	21.28
20MHz	1 RB high	1860	QPSK	21.66
20MHz	100% RB	1860	QPSK	21.27
20MHz	1 RB low	1860	16QAM	21.44
20MHz	50% RB mid	1860	16QAM	20.31
20MHz	1 RB high	1860	16QAM	21.41
20MHz	100% RB	1860	16QAM	20.34
20MHz	1 RB low	1860	64QAM	20.46
20MHz	1 RB high	1860	64QAM	20.39
20MHz	50% RB mid	1860	64QAM	19.46
20MHz	100% RB	1860	64QAM	19.44
20MHz	1 RB low	1880	QPSK	21.72
20MHz	50% RB mid	1880	QPSK	21.17
20MHz	1 RB high	1880	QPSK	21.55
20MHz	100% RB	1880	QPSK	21.18
20MHz	1 RB low	1880	16QAM	21.27
20MHz	50% RB mid	1880	16QAM	20.22
20MHz	1 RB high	1880	16QAM	21.10
20MHz	100% RB	1880	16QAM	20.18
20MHz	1 RB low	1880	64QAM	20.47
20MHz	1 RB high	1880	64QAM	20.46
20MHz	50% RB mid	1880	64QAM	19.37
20MHz	100% RB	1880	64QAM	19.32
20MHz	1 RB low	1900	QPSK	21.68
20MHz	50% RB mid	1900	QPSK	21.11
20MHz	1 RB high	1900	QPSK	21.43
20MHz	100% RB	1900	QPSK	21.13
20MHz	1 RB low	1900	16QAM	21.58
20MHz	50% RB mid	1900	16QAM	20.17
20MHz	1 RB high	1900	16QAM	21.23
20MHz	100% RB	1900	16QAM	20.13
20MHz	1 RB low	1900	64QAM	20.56
20MHz	1 RB high	1900	64QAM	20.53
20MHz	50% RB mid	1900	64QAM	19.45
20MHz	100% RB	1900	64QAM	19.43

LTE BAND 4

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
1.4MHz	1 RB low	1710.7	QPSK	21.70
1.4MHz	50% RB mid	1710.7	QPSK	21.69
1.4MHz	1 RB high	1710.7	QPSK	21.71
1.4MHz	100% RB	1710.7	QPSK	21.20
1.4MHz	1 RB low	1710.7	16QAM	21.15
1.4MHz	50% RB mid	1710.7	16QAM	21.38

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
1.4MHz	1 RB high	1710.7	16QAM	21.27
1.4MHz	100% RB	1710.7	16QAM	20.35
1.4MHz	1 RB low	1710.7	64QAM	20.37
1.4MHz	1 RB high	1710.7	64QAM	20.40
1.4MHz	50% RB mid	1710.7	64QAM	20.33
1.4MHz	100% RB	1710.7	64QAM	19.39
1.4MHz	1 RB low	1732.5	QPSK	21.61
1.4MHz	50% RB mid	1732.5	QPSK	21.69
1.4MHz	1 RB high	1732.5	QPSK	21.63
1.4MHz	100% RB	1732.5	QPSK	21.14
1.4MHz	1 RB low	1732.5	16QAM	21.27
1.4MHz	50% RB mid	1732.5	16QAM	21.33
1.4MHz	1 RB high	1732.5	16QAM	21.24
1.4MHz	100% RB	1732.5	16QAM	20.18
1.4MHz	1 RB low	1732.5	64QAM	20.39
1.4MHz	1 RB high	1732.5	64QAM	20.38
1.4MHz	50% RB mid	1732.5	64QAM	20.36
1.4MHz	100% RB	1732.5	64QAM	19.29
1.4MHz	1 RB low	1754.3	QPSK	21.69
1.4MHz	50% RB mid	1754.3	QPSK	21.73
1.4MHz	1 RB high	1754.3	QPSK	21.70
1.4MHz	100% RB	1754.3	QPSK	21.24
1.4MHz	1 RB low	1754.3	16QAM	21.31
1.4MHz	50% RB mid	1754.3	16QAM	21.36
1.4MHz	1 RB high	1754.3	16QAM	21.21
1.4MHz	100% RB	1754.3	16QAM	20.33
1.4MHz	1 RB low	1754.3	64QAM	20.44
1.4MHz	1 RB high	1754.3	64QAM	20.55
1.4MHz	50% RB mid	1754.3	64QAM	20.51
1.4MHz	100% RB	1754.3	64QAM	19.32
3MHz	1 RB low	1711.5	QPSK	21.58
3MHz	50% RB mid	1711.5	QPSK	21.23
3MHz	1 RB high	1711.5	QPSK	21.59
3MHz	100% RB	1711.5	QPSK	21.21
3MHz	1 RB low	1711.5	16QAM	21.40
3MHz	50% RB mid	1711.5	16QAM	20.30
3MHz	1 RB high	1711.5	16QAM	21.17
3MHz	100% RB	1711.5	16QAM	20.23
3MHz	1 RB low	1711.5	64QAM	20.52
3MHz	1 RB high	1711.5	64QAM	20.50
3MHz	50% RB mid	1711.5	64QAM	19.43
3MHz	100% RB	1711.5	64QAM	19.33
3MHz	1 RB low	1732.5	QPSK	21.59
3MHz	50% RB mid	1732.5	QPSK	21.23
3MHz	1 RB high	1732.5	QPSK	21.62
3MHz	100% RB	1732.5	QPSK	21.20
3MHz	1 RB low	1732.5	16QAM	21.15
3MHz	50% RB mid	1732.5	16QAM	20.39
3MHz	1 RB high	1732.5	16QAM	21.26
3MHz	100% RB	1732.5	16QAM	20.23

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
3MHz	1 RB low	1732.5	64QAM	20.39
3MHz	1 RB high	1732.5	64QAM	20.30
3MHz	50% RB mid	1732.5	64QAM	19.39
3MHz	100% RB	1732.5	64QAM	19.29
3MHz	1 RB low	1753.5	QPSK	21.59
3MHz	50% RB mid	1753.5	QPSK	21.28
3MHz	1 RB high	1753.5	QPSK	21.65
3MHz	100% RB	1753.5	QPSK	21.18
3MHz	1 RB low	1753.5	16QAM	21.43
3MHz	50% RB mid	1753.5	16QAM	20.42
3MHz	1 RB high	1753.5	16QAM	21.30
3MHz	100% RB	1753.5	16QAM	20.23
3MHz	1 RB low	1753.5	64QAM	20.51
3MHz	1 RB high	1753.5	64QAM	20.40
3MHz	50% RB mid	1753.5	64QAM	19.38
3MHz	100% RB	1753.5	64QAM	19.32
5MHz	1 RB low	1712.5	QPSK	21.63
5MHz	50% RB mid	1712.5	QPSK	21.21
5MHz	1 RB high	1712.5	QPSK	21.64
5MHz	100% RB	1712.5	QPSK	21.19
5MHz	1 RB low	1712.5	64QAM	20.33
5MHz	1 RB high	1712.5	64QAM	20.36
5MHz	50% RB mid	1712.5	64QAM	19.30
5MHz	100% RB	1712.5	64QAM	19.35
5MHz	1 RB low	1712.5	16QAM	21.21
5MHz	50% RB mid	1712.5	16QAM	20.29
5MHz	1 RB high	1712.5	16QAM	21.33
5MHz	100% RB	1712.5	16QAM	20.22
5MHz	1 RB low	1732.5	QPSK	21.65
5MHz	50% RB mid	1732.5	QPSK	21.23
5MHz	1 RB high	1732.5	QPSK	21.68
5MHz	100% RB	1732.5	QPSK	21.22
5MHz	1 RB low	1732.5	16QAM	21.26
5MHz	50% RB mid	1732.5	16QAM	20.31
5MHz	1 RB high	1732.5	16QAM	21.34
5MHz	100% RB	1732.5	16QAM	20.22
5MHz	1 RB low	1732.5	64QAM	20.35
5MHz	1 RB high	1732.5	64QAM	20.35
5MHz	50% RB mid	1732.5	64QAM	19.42
5MHz	100% RB	1732.5	64QAM	19.33
5MHz	1 RB low	1752.5	QPSK	21.68
5MHz	50% RB mid	1752.5	QPSK	21.28
5MHz	1 RB high	1752.5	QPSK	21.78
5MHz	100% RB	1752.5	QPSK	21.24
5MHz	1 RB low	1752.5	16QAM	21.38
5MHz	50% RB mid	1752.5	16QAM	20.30
5MHz	1 RB high	1752.5	16QAM	21.51
5MHz	100% RB	1752.5	16QAM	20.28
5MHz	1 RB low	1752.5	64QAM	20.53
5MHz	1 RB high	1752.5	64QAM	20.45

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
5MHz	50% RB mid	1752.5	64QAM	19.43
5MHz	100% RB	1752.5	64QAM	19.35
10MHz	1 RB low	1715	QPSK	21.62
10MHz	50% RB mid	1715	QPSK	21.22
10MHz	1 RB high	1715	QPSK	21.62
10MHz	100% RB	1715	QPSK	21.23
10MHz	1 RB low	1715	16QAM	21.33
10MHz	50% RB mid	1715	16QAM	20.32
10MHz	1 RB high	1715	16QAM	21.30
10MHz	100% RB	1715	16QAM	20.23
10MHz	1 RB low	1715	64QAM	20.34
10MHz	1 RB high	1715	64QAM	20.33
10MHz	50% RB mid	1715	64QAM	19.33
10MHz	100% RB	1715	64QAM	19.33
10MHz	1 RB low	1732.5	QPSK	21.61
10MHz	50% RB mid	1732.5	QPSK	21.16
10MHz	1 RB high	1732.5	QPSK	21.67
10MHz	100% RB	1732.5	QPSK	21.23
10MHz	1 RB low	1732.5	16QAM	21.28
10MHz	50% RB mid	1732.5	16QAM	20.19
10MHz	1 RB high	1732.5	16QAM	21.28
10MHz	100% RB	1732.5	16QAM	20.25
10MHz	1 RB low	1732.5	64QAM	20.32
10MHz	1 RB high	1732.5	64QAM	20.36
10MHz	50% RB mid	1732.5	64QAM	19.25
10MHz	100% RB	1732.5	64QAM	19.30
10MHz	1 RB low	1750	QPSK	21.61
10MHz	50% RB mid	1750	QPSK	21.27
10MHz	1 RB high	1750	QPSK	21.70
10MHz	100% RB	1750	QPSK	21.26
10MHz	1 RB low	1750	16QAM	21.26
10MHz	50% RB mid	1750	16QAM	20.32
10MHz	1 RB high	1750	16QAM	21.44
10MHz	100% RB	1750	16QAM	20.26
10MHz	1 RB low	1750	64QAM	20.37
10MHz	1 RB high	1750	64QAM	20.64
10MHz	50% RB mid	1750	64QAM	19.26
10MHz	100% RB	1750	64QAM	19.22
15MHz	1 RB low	1717.5	QPSK	21.50
15MHz	50% RB mid	1717.5	QPSK	21.08
15MHz	1 RB high	1717.5	QPSK	21.55
15MHz	100% RB	1717.5	QPSK	21.09
15MHz	1 RB low	1717.5	16QAM	21.28
15MHz	50% RB mid	1717.5	16QAM	20.14
15MHz	1 RB high	1717.5	16QAM	21.21
15MHz	100% RB	1717.5	16QAM	20.16
15MHz	1 RB low	1717.5	64QAM	20.36
15MHz	1 RB high	1717.5	64QAM	20.32
15MHz	50% RB mid	1717.5	64QAM	19.17
15MHz	100% RB	1717.5	64QAM	19.22

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
15MHz	1 RB low	1732.5	QPSK	21.59
15MHz	50% RB mid	1732.5	QPSK	21.15
15MHz	1 RB high	1732.5	QPSK	21.66
15MHz	100% RB	1732.5	QPSK	21.12
15MHz	1 RB low	1732.5	16QAM	21.24
15MHz	50% RB mid	1732.5	16QAM	20.15
15MHz	1 RB high	1732.5	16QAM	21.28
15MHz	100% RB	1732.5	16QAM	20.11
15MHz	1 RB low	1732.5	64QAM	20.27
15MHz	1 RB high	1732.5	64QAM	20.33
15MHz	50% RB mid	1732.5	64QAM	19.16
15MHz	100% RB	1732.5	64QAM	19.18
15MHz	1 RB low	1747.5	QPSK	21.51
15MHz	50% RB mid	1747.5	QPSK	21.16
15MHz	1 RB high	1747.5	QPSK	21.73
15MHz	100% RB	1747.5	QPSK	21.16
15MHz	1 RB low	1747.5	16QAM	21.11
15MHz	50% RB mid	1747.5	16QAM	20.20
15MHz	1 RB high	1747.5	16QAM	21.35
15MHz	100% RB	1747.5	16QAM	20.20
15MHz	1 RB low	1747.5	64QAM	20.39
15MHz	1 RB high	1747.5	64QAM	20.48
15MHz	50% RB mid	1747.5	64QAM	19.23
15MHz	100% RB	1747.5	64QAM	19.22
20MHz	1 RB low	1720	QPSK	21.64
20MHz	50% RB mid	1720	QPSK	21.17
20MHz	1 RB high	1720	QPSK	21.70
20MHz	100% RB	1720	QPSK	21.12
20MHz	1 RB low	1720	16QAM	21.29
20MHz	50% RB mid	1720	16QAM	20.16
20MHz	1 RB high	1720	16QAM	21.31
20MHz	100% RB	1720	16QAM	20.18
20MHz	1 RB low	1720	64QAM	20.36
20MHz	1 RB high	1720	64QAM	20.19
20MHz	50% RB mid	1720	64QAM	19.20
20MHz	100% RB	1720	64QAM	19.22
20MHz	1 RB low	1732.5	QPSK	21.60
20MHz	50% RB mid	1732.5	QPSK	21.15
20MHz	1 RB high	1732.5	QPSK	21.61
20MHz	100% RB	1732.5	QPSK	21.19
20MHz	1 RB low	1732.5	16QAM	21.13
20MHz	50% RB mid	1732.5	16QAM	20.19
20MHz	1 RB high	1732.5	16QAM	21.25
20MHz	100% RB	1732.5	16QAM	20.20
20MHz	1 RB low	1732.5	64QAM	20.36
20MHz	1 RB high	1732.5	64QAM	20.33
20MHz	50% RB mid	1732.5	64QAM	19.24
20MHz	100% RB	1732.5	64QAM	19.18
20MHz	1 RB low	1745	QPSK	21.55
20MHz	50% RB mid	1745	QPSK	21.18

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
20MHz	1 RB high	1745	QPSK	21.75
20MHz	100% RB	1745	QPSK	21.17
20MHz	1 RB low	1745	16QAM	21.26
20MHz	50% RB mid	1745	16QAM	20.21
20MHz	1 RB high	1745	16QAM	21.43
20MHz	100% RB	1745	16QAM	20.19
20MHz	1 RB low	1745	64QAM	20.37
20MHz	1 RB high	1745	64QAM	20.26
20MHz	50% RB mid	1745	64QAM	19.25
20MHz	100% RB	1745	64QAM	19.25

LTE BAND 5

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
1.4MHz	1 RB low	824.7	QPSK	22.38
1.4MHz	50% RB mid	824.7	QPSK	22.44
1.4MHz	1 RB high	824.7	QPSK	22.35
1.4MHz	100% RB	824.7	QPSK	21.37
1.4MHz	1 RB low	824.7	16QAM	21.44
1.4MHz	50% RB mid	824.7	16QAM	21.54
1.4MHz	1 RB high	824.7	16QAM	21.44
1.4MHz	100% RB	824.7	16QAM	20.48
1.4MHz	1 RB low	836.5	QPSK	22.25
1.4MHz	50% RB mid	836.5	QPSK	22.29
1.4MHz	1 RB high	836.5	QPSK	22.27
1.4MHz	100% RB	836.5	QPSK	21.26
1.4MHz	1 RB low	836.5	16QAM	21.39
1.4MHz	50% RB mid	836.5	16QAM	21.45
1.4MHz	1 RB high	836.5	16QAM	21.34
1.4MHz	100% RB	836.5	16QAM	20.17
1.4MHz	1 RB low	848.3	QPSK	22.18
1.4MHz	50% RB mid	848.3	QPSK	22.25
1.4MHz	1 RB high	848.3	QPSK	22.20
1.4MHz	100% RB	848.3	QPSK	21.22
1.4MHz	1 RB low	848.3	16QAM	21.37
1.4MHz	50% RB mid	848.3	16QAM	21.35
1.4MHz	1 RB high	848.3	16QAM	21.44
1.4MHz	100% RB	848.3	16QAM	20.16
1.4MHz	1 RB low	824.7	64QAM	20.66
1.4MHz	1 RB high	824.7	64QAM	20.60
1.4MHz	50% RB mid	824.7	64QAM	20.58
1.4MHz	100% RB	824.7	64QAM	19.57
1.4MHz	1 RB low	836.5	64QAM	20.75
1.4MHz	1 RB high	836.5	64QAM	20.71
1.4MHz	50% RB mid	836.5	64QAM	20.64
1.4MHz	100% RB	836.5	64QAM	19.58
1.4MHz	1 RB low	848.3	64QAM	20.44
1.4MHz	1 RB high	848.3	64QAM	20.46
1.4MHz	50% RB mid	848.3	64QAM	20.57
1.4MHz	100% RB	848.3	64QAM	19.39
3MHz	1 RB low	825.5	QPSK	22.30

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
3MHz	50% RB mid	825.5	QPSK	21.48
3MHz	1 RB high	825.5	QPSK	22.23
3MHz	100% RB	825.5	QPSK	21.42
3MHz	1 RB low	825.5	16QAM	21.47
3MHz	50% RB mid	825.5	16QAM	20.51
3MHz	1 RB high	825.5	16QAM	21.42
3MHz	100% RB	825.5	16QAM	20.44
3MHz	1 RB low	836.5	QPSK	22.18
3MHz	50% RB mid	836.5	QPSK	21.36
3MHz	1 RB high	836.5	QPSK	22.28
3MHz	100% RB	836.5	QPSK	21.28
3MHz	1 RB low	836.5	16QAM	21.27
3MHz	50% RB mid	836.5	16QAM	20.52
3MHz	1 RB high	836.5	16QAM	21.37
3MHz	100% RB	836.5	16QAM	20.28
3MHz	1 RB low	847.5	QPSK	22.18
3MHz	50% RB mid	847.5	QPSK	21.31
3MHz	1 RB high	847.5	QPSK	22.17
3MHz	100% RB	847.5	QPSK	21.29
3MHz	1 RB low	847.5	16QAM	21.37
3MHz	50% RB mid	847.5	16QAM	20.40
3MHz	1 RB high	847.5	16QAM	21.40
3MHz	100% RB	847.5	16QAM	20.37
3MHz	1 RB low	825.5	64QAM	20.77
3MHz	1 RB high	825.5	64QAM	20.72
3MHz	50% RB mid	825.5	64QAM	19.62
3MHz	100% RB	825.5	64QAM	19.56
3MHz	1 RB low	836.5	64QAM	20.51
3MHz	1 RB high	836.5	64QAM	20.64
3MHz	50% RB mid	836.5	64QAM	19.61
3MHz	100% RB	836.5	64QAM	19.42
3MHz	1 RB low	847.5	64QAM	20.40
3MHz	1 RB high	847.5	64QAM	20.47
3MHz	50% RB mid	847.5	64QAM	19.54
3MHz	100% RB	847.5	64QAM	19.38
5MHz	1 RB low	826.5	QPSK	22.40
5MHz	50% RB mid	826.5	QPSK	21.45
5MHz	1 RB high	826.5	QPSK	22.34
5MHz	100% RB	826.5	QPSK	21.41
5MHz	1 RB low	826.5	16QAM	21.48
5MHz	50% RB mid	826.5	16QAM	20.55
5MHz	1 RB high	826.5	16QAM	21.44
5MHz	100% RB	826.5	16QAM	20.43
5MHz	1 RB low	836.5	QPSK	22.28
5MHz	50% RB mid	836.5	QPSK	21.30
5MHz	1 RB high	836.5	QPSK	22.32
5MHz	100% RB	836.5	QPSK	21.26
5MHz	1 RB low	836.5	16QAM	21.43
5MHz	50% RB mid	836.5	16QAM	20.34
5MHz	1 RB high	836.5	16QAM	21.49

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
5MHz	100% RB	836.5	16QAM	20.31
5MHz	1 RB low	846.5	QPSK	22.32
5MHz	50% RB mid	846.5	QPSK	21.31
5MHz	1 RB high	846.5	QPSK	22.26
5MHz	100% RB	846.5	QPSK	21.20
5MHz	1 RB low	846.5	16QAM	21.49
5MHz	50% RB mid	846.5	16QAM	20.39
5MHz	1 RB high	846.5	16QAM	21.42
5MHz	100% RB	846.5	16QAM	20.22
5MHz	1 RB low	826.5	64QAM	20.68
5MHz	1 RB high	826.5	64QAM	20.57
5MHz	50% RB mid	826.5	64QAM	19.55
5MHz	100% RB	826.5	64QAM	19.49
5MHz	1 RB low	836.5	64QAM	20.56
5MHz	1 RB high	836.5	64QAM	20.73
5MHz	50% RB mid	836.5	64QAM	19.39
5MHz	100% RB	836.5	64QAM	19.40
5MHz	1 RB low	846.5	64QAM	20.80
5MHz	1 RB high	846.5	64QAM	20.51
5MHz	50% RB mid	846.5	64QAM	19.43
5MHz	100% RB	846.5	64QAM	19.39
10MHz	1 RB low	829	QPSK	22.33
10MHz	50% RB mid	829	QPSK	21.47
10MHz	1 RB high	829	QPSK	22.13
10MHz	100% RB	829	QPSK	21.45
10MHz	1 RB low	829	16QAM	21.48
10MHz	50% RB mid	829	16QAM	20.40
10MHz	1 RB high	829	16QAM	21.36
10MHz	100% RB	829	16QAM	20.48
10MHz	1 RB low	836.5	QPSK	22.27
10MHz	50% RB mid	836.5	QPSK	21.34
10MHz	1 RB high	836.5	QPSK	22.35
10MHz	100% RB	836.5	QPSK	21.34
10MHz	1 RB low	836.5	16QAM	21.34
10MHz	50% RB mid	836.5	16QAM	20.44
10MHz	1 RB high	836.5	16QAM	21.44
10MHz	100% RB	836.5	16QAM	20.31
10MHz	1 RB low	844	QPSK	22.38
10MHz	50% RB mid	844	QPSK	21.33
10MHz	1 RB high	844	QPSK	22.22
10MHz	100% RB	844	QPSK	21.34
10MHz	1 RB low	844	16QAM	21.53
10MHz	50% RB mid	844	16QAM	20.36
10MHz	1 RB high	844	16QAM	21.38
10MHz	100% RB	844	16QAM	20.36
10MHz	1 RB low	829	64QAM	20.82
10MHz	1 RB high	829	64QAM	20.57
10MHz	50% RB mid	829	64QAM	19.51
10MHz	100% RB	829	64QAM	19.47
10MHz	1 RB low	836.5	64QAM	20.57

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
10MHz	1 RB high	836.5	64QAM	20.48
10MHz	50% RB mid	836.5	64QAM	19.43
10MHz	100% RB	836.5	64QAM	19.43
10MHz	1 RB low	844	64QAM	20.55
10MHz	1 RB high	844	64QAM	20.39
10MHz	50% RB mid	844	64QAM	19.44
10MHz	100% RB	844	64QAM	19.49

LTE BAND 7

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
5MHz	1 RB low	2502.5	QPSK	20.37
5MHz	50% RB mid	2502.5	QPSK	19.36
5MHz	1 RB high	2502.5	QPSK	20.38
5MHz	100% RB	2502.5	QPSK	19.37
5MHz	1 RB low	2502.5	16QAM	19.52
5MHz	50% RB mid	2502.5	16QAM	18.41
5MHz	1 RB high	2502.5	16QAM	19.56
5MHz	100% RB	2502.5	16QAM	18.37
5MHz	1 RB low	2535	QPSK	20.36
5MHz	50% RB mid	2535	QPSK	19.37
5MHz	1 RB high	2535	QPSK	20.33
5MHz	100% RB	2535	QPSK	19.37
5MHz	1 RB low	2535	16QAM	19.66
5MHz	50% RB mid	2535	16QAM	18.38
5MHz	1 RB high	2535	16QAM	19.61
5MHz	100% RB	2535	16QAM	18.36
5MHz	1 RB low	2567.5	QPSK	20.54
5MHz	50% RB mid	2567.5	QPSK	19.53
5MHz	1 RB high	2567.5	QPSK	20.51
5MHz	100% RB	2567.5	QPSK	19.52
5MHz	1 RB low	2567.5	16QAM	19.52
5MHz	50% RB mid	2567.5	16QAM	18.51
5MHz	1 RB high	2567.5	16QAM	19.69
5MHz	100% RB	2567.5	16QAM	18.53
5MHz	1 RB low	2502.5	64QAM	20.34
5MHz	1 RB high	2502.5	64QAM	20.46
5MHz	50% RB mid	2502.5	64QAM	19.46
5MHz	100% RB	2502.5	64QAM	19.37
5MHz	1 RB low	2535	64QAM	20.73
5MHz	1 RB high	2535	64QAM	20.85
5MHz	50% RB mid	2535	64QAM	19.65
5MHz	100% RB	2535	64QAM	19.62
5MHz	1 RB low	2567.5	64QAM	20.33
5MHz	1 RB high	2567.5	64QAM	20.49
5MHz	50% RB mid	2567.5	64QAM	19.31
5MHz	100% RB	2567.5	64QAM	19.42
10MHz	1 RB low	2505	QPSK	20.25
10MHz	50% RB mid	2505	QPSK	19.44
10MHz	1 RB high	2505	QPSK	20.40
10MHz	100% RB	2505	QPSK	19.42

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
10MHz	1 RB low	2505	16QAM	19.46
10MHz	50% RB mid	2505	16QAM	18.40
10MHz	1 RB high	2505	16QAM	19.58
10MHz	100% RB	2505	16QAM	18.43
10MHz	1 RB low	2535	QPSK	20.33
10MHz	50% RB mid	2535	QPSK	19.40
10MHz	1 RB high	2535	QPSK	20.40
10MHz	100% RB	2535	QPSK	19.34
10MHz	1 RB low	2535	16QAM	19.47
10MHz	50% RB mid	2535	16QAM	18.47
10MHz	1 RB high	2535	16QAM	19.43
10MHz	100% RB	2535	16QAM	18.31
10MHz	1 RB low	2565	QPSK	20.40
10MHz	50% RB mid	2565	QPSK	19.44
10MHz	1 RB high	2565	QPSK	20.50
10MHz	100% RB	2565	QPSK	19.44
10MHz	1 RB low	2565	16QAM	19.58
10MHz	50% RB mid	2565	16QAM	18.48
10MHz	1 RB high	2565	16QAM	19.68
10MHz	100% RB	2565	16QAM	18.41
10MHz	1 RB low	2505	64QAM	20.54
10MHz	1 RB high	2505	64QAM	20.44
10MHz	50% RB mid	2505	64QAM	19.41
10MHz	100% RB	2505	64QAM	19.39
10MHz	1 RB low	2535	64QAM	20.69
10MHz	1 RB high	2535	64QAM	20.66
10MHz	50% RB mid	2535	64QAM	19.62
10MHz	100% RB	2535	64QAM	19.56
10MHz	1 RB low	2565	64QAM	20.45
10MHz	1 RB high	2565	64QAM	20.64
10MHz	50% RB mid	2565	64QAM	19.40
10MHz	100% RB	2565	64QAM	19.43
15MHz	1 RB low	2507.5	QPSK	20.05
15MHz	50% RB mid	2507.5	QPSK	19.30
15MHz	1 RB high	2507.5	QPSK	20.16
15MHz	100% RB	2507.5	QPSK	19.33
15MHz	1 RB low	2507.5	16QAM	19.25
15MHz	50% RB mid	2507.5	16QAM	18.32
15MHz	1 RB high	2507.5	16QAM	19.28
15MHz	100% RB	2507.5	16QAM	18.33
15MHz	1 RB low	2535	QPSK	20.22
15MHz	50% RB mid	2535	QPSK	19.21
15MHz	1 RB high	2535	QPSK	20.15
15MHz	100% RB	2535	QPSK	19.23
15MHz	1 RB low	2535	16QAM	19.43
15MHz	50% RB mid	2535	16QAM	18.21
15MHz	1 RB high	2535	16QAM	19.28
15MHz	100% RB	2535	16QAM	18.25
15MHz	1 RB low	2562.5	QPSK	20.22
15MHz	50% RB mid	2562.5	QPSK	19.40

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
15MHz	1 RB high	2562.5	QPSK	20.29
15MHz	100% RB	2562.5	QPSK	19.38
15MHz	1 RB low	2562.5	16QAM	19.34
15MHz	50% RB mid	2562.5	16QAM	18.41
15MHz	1 RB high	2562.5	16QAM	19.46
15MHz	100% RB	2562.5	16QAM	18.40
15MHz	1 RB low	2507.5	64QAM	20.44
15MHz	1 RB high	2507.5	64QAM	20.46
15MHz	50% RB mid	2507.5	64QAM	19.25
15MHz	100% RB	2507.5	64QAM	19.24
15MHz	1 RB low	2535	64QAM	20.52
15MHz	1 RB high	2535	64QAM	20.43
15MHz	50% RB mid	2535	64QAM	19.43
15MHz	100% RB	2535	64QAM	19.42
15MHz	1 RB low	2562.5	64QAM	20.41
15MHz	1 RB high	2562.5	64QAM	20.23
15MHz	50% RB mid	2562.5	64QAM	19.25
15MHz	100% RB	2562.5	64QAM	19.28
20MHz	1 RB low	2510	QPSK	20.17
20MHz	50% RB mid	2510	QPSK	19.35
20MHz	1 RB high	2510	QPSK	20.23
20MHz	100% RB	2510	QPSK	19.37
20MHz	1 RB low	2510	16QAM	19.40
20MHz	50% RB mid	2510	16QAM	18.42
20MHz	1 RB high	2510	16QAM	19.48
20MHz	100% RB	2510	16QAM	18.37
20MHz	1 RB low	2535	QPSK	20.16
20MHz	50% RB mid	2535	QPSK	19.23
20MHz	1 RB high	2535	QPSK	20.10
20MHz	100% RB	2535	QPSK	19.21
20MHz	1 RB low	2535	16QAM	19.13
20MHz	50% RB mid	2535	16QAM	18.25
20MHz	1 RB high	2535	16QAM	19.24
20MHz	100% RB	2535	16QAM	18.22
20MHz	1 RB low	2560	QPSK	20.10
20MHz	50% RB mid	2560	QPSK	19.39
20MHz	1 RB high	2560	QPSK	20.26
20MHz	100% RB	2560	QPSK	19.37
20MHz	1 RB low	2560	16QAM	19.50
20MHz	50% RB mid	2560	16QAM	18.40
20MHz	1 RB high	2560	16QAM	19.64
20MHz	100% RB	2560	16QAM	18.41
20MHz	1 RB low	2510	64QAM	20.34
20MHz	1 RB high	2510	64QAM	20.31
20MHz	50% RB mid	2510	64QAM	19.27
20MHz	100% RB	2510	64QAM	19.29
20MHz	1 RB low	2535	64QAM	20.50
20MHz	1 RB high	2535	64QAM	20.54
20MHz	50% RB mid	2535	64QAM	19.44
20MHz	100% RB	2535	64QAM	19.43

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
20MHz	1 RB low	2560	64QAM	20.53
20MHz	1 RB high	2560	64QAM	20.29
20MHz	50% RB mid	2560	64QAM	19.32
20MHz	100% RB	2560	64QAM	19.26

LTE BAND 12

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
1.4MHz	1 RB low	699.7	QPSK	22.31
1.4MHz	50% RB mid	699.7	QPSK	22.33
1.4MHz	1 RB high	699.7	QPSK	22.26
1.4MHz	100% RB	699.7	QPSK	21.33
1.4MHz	1 RB low	699.7	16QAM	21.46
1.4MHz	50% RB mid	699.7	16QAM	21.42
1.4MHz	1 RB high	699.7	16QAM	21.41
1.4MHz	100% RB	699.7	16QAM	20.40
1.4MHz	1 RB low	707.5	QPSK	22.26
1.4MHz	50% RB mid	707.5	QPSK	22.30
1.4MHz	1 RB high	707.5	QPSK	22.29
1.4MHz	100% RB	707.5	QPSK	21.21
1.4MHz	1 RB low	707.5	16QAM	21.38
1.4MHz	50% RB mid	707.5	16QAM	21.34
1.4MHz	1 RB high	707.5	16QAM	21.29
1.4MHz	100% RB	707.5	16QAM	20.36
1.4MHz	1 RB low	715.3	QPSK	22.24
1.4MHz	50% RB mid	715.3	QPSK	22.27
1.4MHz	1 RB high	715.3	QPSK	22.24
1.4MHz	100% RB	715.3	QPSK	21.26
1.4MHz	1 RB low	715.3	16QAM	21.23
1.4MHz	50% RB mid	715.3	16QAM	21.43
1.4MHz	1 RB high	715.3	16QAM	21.23
1.4MHz	100% RB	715.3	16QAM	20.17
1.4MHz	1 RB low	699.7	64QAM	20.55
1.4MHz	1 RB high	699.7	64QAM	20.52
1.4MHz	50% RB mid	699.7	64QAM	20.49
1.4MHz	100% RB	699.7	64QAM	19.43
1.4MHz	1 RB low	707.5	64QAM	20.40
1.4MHz	1 RB high	707.5	64QAM	20.51
1.4MHz	50% RB mid	707.5	64QAM	20.53
1.4MHz	100% RB	707.5	64QAM	19.39
1.4MHz	1 RB low	715.3	64QAM	20.56
1.4MHz	1 RB high	715.3	64QAM	20.55
1.4MHz	50% RB mid	715.3	64QAM	20.48
1.4MHz	100% RB	715.3	64QAM	19.41
3MHz	1 RB low	700.5	QPSK	22.24
3MHz	50% RB mid	700.5	QPSK	21.39
3MHz	1 RB high	700.5	QPSK	22.22
3MHz	100% RB	700.5	QPSK	21.34
3MHz	1 RB low	700.5	16QAM	21.52
3MHz	50% RB mid	700.5	16QAM	20.48
3MHz	1 RB high	700.5	16QAM	21.41

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
3MHz	100% RB	700.5	16QAM	20.36
3MHz	1 RB low	707.5	QPSK	22.20
3MHz	50% RB mid	707.5	QPSK	21.38
3MHz	1 RB high	707.5	QPSK	22.28
3MHz	100% RB	707.5	QPSK	21.28
3MHz	1 RB low	707.5	16QAM	21.37
3MHz	50% RB mid	707.5	16QAM	20.49
3MHz	1 RB high	707.5	16QAM	21.36
3MHz	100% RB	707.5	16QAM	20.33
3MHz	1 RB low	714.5	QPSK	22.21
3MHz	50% RB mid	714.5	QPSK	21.24
3MHz	1 RB high	714.5	QPSK	22.21
3MHz	100% RB	714.5	QPSK	21.22
3MHz	1 RB low	714.5	16QAM	21.28
3MHz	50% RB mid	714.5	16QAM	20.35
3MHz	1 RB high	714.5	16QAM	21.31
3MHz	100% RB	714.5	16QAM	20.16
3MHz	1 RB low	700.5	64QAM	20.62
3MHz	1 RB high	700.5	64QAM	20.64
3MHz	50% RB mid	700.5	64QAM	19.56
3MHz	100% RB	700.5	64QAM	19.44
3MHz	1 RB low	707.5	64QAM	20.48
3MHz	1 RB high	707.5	64QAM	20.43
3MHz	50% RB mid	707.5	64QAM	19.48
3MHz	100% RB	707.5	64QAM	19.38
3MHz	1 RB low	714.5	64QAM	20.57
3MHz	1 RB high	714.5	64QAM	20.51
3MHz	50% RB mid	714.5	64QAM	19.54
3MHz	100% RB	714.5	64QAM	19.35
5MHz	1 RB low	701.5	QPSK	22.32
5MHz	50% RB mid	701.5	QPSK	21.38
5MHz	1 RB high	701.5	QPSK	22.29
5MHz	100% RB	701.5	QPSK	21.33
5MHz	1 RB low	701.5	16QAM	21.42
5MHz	50% RB mid	701.5	16QAM	20.39
5MHz	1 RB high	701.5	16QAM	21.42
5MHz	100% RB	701.5	16QAM	20.37
5MHz	1 RB low	707.5	QPSK	22.30
5MHz	50% RB mid	707.5	QPSK	21.30
5MHz	1 RB high	707.5	QPSK	22.31
5MHz	100% RB	707.5	QPSK	21.27
5MHz	1 RB low	707.5	16QAM	21.54
5MHz	50% RB mid	707.5	16QAM	20.37
5MHz	1 RB high	707.5	16QAM	21.44
5MHz	100% RB	707.5	16QAM	20.30
5MHz	1 RB low	713.5	QPSK	22.32
5MHz	50% RB mid	713.5	QPSK	21.26
5MHz	1 RB high	713.5	QPSK	22.32
5MHz	100% RB	713.5	QPSK	21.29
5MHz	1 RB low	713.5	16QAM	21.38

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
5MHz	50% RB mid	713.5	16QAM	20.30
5MHz	1 RB high	713.5	16QAM	21.41
5MHz	100% RB	713.5	16QAM	20.25
5MHz	1 RB low	701.5	64QAM	20.52
5MHz	1 RB high	701.5	64QAM	20.39
5MHz	50% RB mid	701.5	64QAM	19.35
5MHz	100% RB	701.5	64QAM	19.44
5MHz	1 RB low	707.5	64QAM	20.56
5MHz	1 RB high	707.5	64QAM	20.46
5MHz	50% RB mid	707.5	64QAM	19.38
5MHz	100% RB	707.5	64QAM	19.35
5MHz	1 RB low	713.5	64QAM	20.56
5MHz	1 RB high	713.5	64QAM	20.56
5MHz	50% RB mid	713.5	64QAM	19.31
5MHz	100% RB	713.5	64QAM	19.31
10MHz	1 RB low	704	QPSK	22.28
10MHz	50% RB mid	704	QPSK	21.32
10MHz	1 RB high	704	QPSK	22.23
10MHz	100% RB	704	QPSK	21.34
10MHz	1 RB low	704	16QAM	21.46
10MHz	50% RB mid	704	16QAM	20.40
10MHz	1 RB high	704	16QAM	21.29
10MHz	100% RB	704	16QAM	20.35
10MHz	1 RB low	707.5	QPSK	22.33
10MHz	50% RB mid	707.5	QPSK	21.31
10MHz	1 RB high	707.5	QPSK	22.30
10MHz	100% RB	707.5	QPSK	21.31
10MHz	1 RB low	707.5	16QAM	21.44
10MHz	50% RB mid	707.5	16QAM	20.32
10MHz	1 RB high	707.5	16QAM	21.34
10MHz	100% RB	707.5	16QAM	20.28
10MHz	1 RB low	711	QPSK	22.27
10MHz	50% RB mid	711	QPSK	21.39
10MHz	1 RB high	711	QPSK	22.18
10MHz	100% RB	711	QPSK	21.35
10MHz	1 RB low	711	16QAM	21.56
10MHz	50% RB mid	711	16QAM	20.46
10MHz	1 RB high	711	16QAM	21.41
10MHz	100% RB	711	16QAM	20.41
10MHz	1 RB low	704	64QAM	20.71
10MHz	1 RB high	704	64QAM	20.37
10MHz	50% RB mid	704	64QAM	19.43
10MHz	100% RB	704	64QAM	19.37
10MHz	1 RB low	707.5	64QAM	20.46
10MHz	1 RB high	707.5	64QAM	20.43
10MHz	50% RB mid	707.5	64QAM	19.35
10MHz	100% RB	707.5	64QAM	19.33
10MHz	1 RB low	711	64QAM	20.61
10MHz	1 RB high	711	64QAM	20.36
10MHz	50% RB mid	711	64QAM	19.37

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
10MHz	100% RB	711	64QAM	19.32

LTE BAND 13

Bandwidth	RB size/offset	Frequency (MHz)	Modulation	Avg Power (dBm)
5MHz	1 RB low	779.5	QPSK	22.49
5MHz	50% RB mid	779.5	QPSK	21.42
5MHz	1 RB high	779.5	QPSK	22.46
5MHz	100% RB	779.5	QPSK	21.41
5MHz	1 RB low	779.5	16QAM	21.59
5MHz	50% RB mid	779.5	16QAM	20.42
5MHz	1 RB high	779.5	16QAM	21.54
5MHz	100% RB	779.5	16QAM	20.44
5MHz	1 RB low	782	QPSK	22.41
5MHz	50% RB mid	782	QPSK	21.42
5MHz	1 RB high	782	QPSK	22.49
5MHz	100% RB	782	QPSK	21.41
5MHz	1 RB low	782	16QAM	21.62
5MHz	50% RB mid	782	16QAM	20.39
5MHz	1 RB high	782	16QAM	21.70
5MHz	100% RB	782	16QAM	20.39
5MHz	1 RB low	784.5	QPSK	22.50
5MHz	50% RB mid	784.5	QPSK	21.45
5MHz	1 RB high	784.5	QPSK	22.47
5MHz	100% RB	784.5	QPSK	21.40
5MHz	1 RB low	784.5	16QAM	21.59
5MHz	50% RB mid	784.5	16QAM	20.52
5MHz	1 RB high	784.5	16QAM	21.54
5MHz	100% RB	784.5	16QAM	20.43
5MHz	1 RB low	779.5	64QAM	20.70
5MHz	1 RB high	779.5	64QAM	20.61
5MHz	50% RB mid	779.5	64QAM	19.51
5MHz	100% RB	779.5	64QAM	19.52
5MHz	1 RB low	782	64QAM	20.66
5MHz	1 RB high	782	64QAM	20.74
5MHz	50% RB mid	782	64QAM	19.73
5MHz	100% RB	782	64QAM	19.48
5MHz	1 RB low	784.5	64QAM	20.74
5MHz	1 RB high	784.5	64QAM	20.65
5MHz	50% RB mid	784.5	64QAM	19.61
5MHz	100% RB	784.5	64QAM	19.54
10MHz	1 RB low	782	QPSK	22.35
10MHz	50% RB mid	782	QPSK	21.43
10MHz	1 RB high	782	QPSK	22.32
10MHz	100% RB	782	QPSK	21.51
10MHz	1 RB low	782	16QAM	21.65
10MHz	50% RB mid	782	16QAM	20.45
10MHz	1 RB high	782	16QAM	21.52
10MHz	100% RB	782	16QAM	20.48
10MHz	1 RB low	782	64QAM	20.89
10MHz	1 RB high	782	64QAM	20.65