

MPE REPORT

Report No.: SRTC2022-9004(F)-22080401(I)
Product Name: 4G Wireless Router
Model Name: MF296C
Applicant: ZTE Corporation
FCC ID: SRQ-MF296C

Reference Specification
FCC Part §1.1310

The State Radio_monitoring_center Testing Center (SRTC)

15th Building, No.30 Shixing Street, ShijingshanDistrict, Beijing,P.R.China

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1 GENERAL INFORMATION

1.1 Notes of the test report

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The certification and accreditation identifiers used in this report shall not be applicable to the tested or calibrated samples thereof. The manufacturer shall not mark the tested samples or items (or a separate part of the item) with the identifiers of certification and accreditation to mislead relevant parties about the tested samples or items.

1.2 Information about the testing laboratory

Company:	The State Radio_monitoring_center Testing Center (SRTC)
Designation number:	CN1267
Registration number:	239125
Certificate Number:	5055.02
Address:	15th Building, No.30 Shixing Street, Shijingshan District, Beijing P.R.China
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1.3 Applicant's details

Company:	ZTE Corporation
Address:	ZTE Plaza, #55 Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China

1.4 Manufacturer's details

Company:	ZTE Corporation
Address:	ZTE Plaza, #55 Keji Road South, Hi-Tech, Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P.R.China

1.5 Test environment

Testing Start Date:	2022/8/9
Testing End Date:	2022/8/19

Environmental Data:	Temperature (°C)	Humidity (%)
Ambient:	22	35

2 DESCRIPTION OF THE EQUIPMENT UNDER TEST

2.1 Final equipment build status

Frequency Range:	GSM850:Tx:824~849MHz Rx:869~894MHz PCS1900:Tx:1850~1910MHz Rx:1930~1990MHz WCDMA Band II: Tx:1852.4~1907.6MHz Rx:1932.4~1987.6MHz WCDMA Band IV: Tx:1712.4~1752.6MHz Rx:2112.4~2152.6MHz WCDMA Band V: Tx:826.4~846.6MHz Rx:871.4~891.6MHz LTE Band 2: Tx:1850~1910MHz Rx:1930~1990MHz LTE Band 4: Tx:1710~1755MHz Rx:2110~2155MHz LTE Band 5: Tx:824~849 MHz Rx:869 ~894MHz LTE Band 7: Tx:2500~2570MHz Rx:2620~2690MHz LTE Band 13: Tx:777~787MHz Rx:746~756MHz LTE Band 40: Tx /Rx:2300~2400MHz LTE Band 41: Tx /Rx:2496~2690MHz LTE Band 66: Tx:1710~1780MHz Rx:2110~2200MHz WIFI 2.4GHz:2.412GHz~2.462GHz WIFI5G: U-NII-1:5150MHz-5250MHz U-NII-3:5725MHz-5850MHz
Mode:	GPRS:GMSK EDGE: GMSK/8PSK HSDPA/HSUPA/HSPA+/DC-HSDPA QPSK/16QAM WIFI 2.4GHz:802.11b/802.11g/802.11n (HT20/HT40) WIFI 5GHz:802.11a/802.11n (HT20/HT40)/ 802.11ac (VHT20/VHT40/VHT80)
Hardware Version:	mp6A
Software Version:	CR_LAMF296CV1.0.0B01

Antenna gain::

GSM850	0.6dBi
PCS1900	1.9dBi
WCDMA Band 2	1.9dBi
WCDMA Band 4	1.7dBi
WCDMA Band 5	0.6dBi
LTE Band 2	1.9dBi
LTE Band 4	1.7dBi
LTE Band 5	0.6dBi
LTE Band 7	2.6dBi
LTE Band 13	0.5dBi
LTE Band 66	1.7dBi
LTE Band 38	2.4dBi
LTE Band 40	2.1dBi
LTE Band 41	2.6dBi
WIFI 2.4GHz	2.3dBi/2.2dBi
WIFI 5GHz	2.5dBi

3 SPECIFICATION

Specification	Version	Title
Part 1.1310	Latest	Radio frequency radiation exposure limits.

4 RESULT SUMMARY

Case	Verdict
MPE	Pass

This Test Report Is Issued by: Mr. Peng Zhen 彭振	Checked by: Mr. Li Bin 李彬
Tested by: Ms. Li Jin 李晋	Issued date: 2022/8/22

5 CALCULATION RESULT

5.1 AVERAGE OUTPUT POWER GSM850

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	RF Power Output (dBm)	Tune-up (dBm)
824.2	128	4Down1Up	32.22	32.5
836.4	189		32.36	32.5
848.8	251		32.51	33.0
824.2	128	3Down2Up	32.24	32.5
836.4	189		32.09	32.5
848.8	251		32.24	32.5

EGPRS (8PSK) Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	RF Power Output (dBm)	Tune-up (dBm)
824.2	128	4Down1Up	32.29	32.5
836.4	189		32.43	32.5
848.8	251		32.56	33.0
824.2	128	3Down2Up	32.15	32.5
836.4	189		32.29	32.5
848.8	251		32.43	32.5

PCS1900

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	RF Power Output (dBm)	Tune-up (dBm)
1850.2	512	4Down1Up	29.29	29.5
1880	661		29.07	29.5
1909.8	810		29.20	29.5
1850.2	512	3Down2Up	29.14	29.5
1880	661		28.92	29.0
1909.8	810		29.01	29.5

EGPRS (8PSK) Measured Power:

Carrier frequency (MHz)	Channel No.	TX Mode	RF Power Output (dBm)	Tune-up (dBm)
1850.2	512	4Down1Up	29.27	29.5
1880	661		29.05	29.5
1909.8	810		29.20	29.5
1850.2	512	3Down2Up	29.21	29.5
1880	661		29.00	29.0
1909.8	810		29.13	29.5

WCDMA BAND II

Mode		RF Output Power(dBm)			Tuneup Tolerance (dBm)
		9262	9400	9538	
		1852.4	1880	1907.6	
Release 99	RMC,12.2kbps	21.22	21.06	21.68	22.0
HSDPA	Subtest1	20.09	19.78	20.27	20.5
	Subtest2	19.66	19.39	19.86	20.0
	Subtest3	19.51	19.24	19.70	20.0
	Subtest4	19.50	19.23	19.68	20.0
HSUPA	Subtest1	17.55	18.26	18.36	18.5
	Subtest2	17.82	18.92	18.83	19.0
	Subtest3	16.74	17.36	18.50	18.5
	Subtest4	18.94	20.11	19.78	20.5
	Subtest5	16.35	17.97	17.60	18.0
HSPA+	QPSK	19.61	19.30	20.10	20.5
	16QAM	19.55	19.31	20.03	20.5
DC-HSDPA	Subtest1	20.05	19.53	20.59	21.0
	Subtest2	20.02	19.97	20.27	20.5
	Subtest3	19.51	18.95	20.04	20.5
	Subtest4	19.50	19.44	20.04	20.5

WCDMA BAND IV

Mode		RF Output Power(dBm)			Tuneup Tolerance (dBm)
		1312	1413	1513	
		1712.4	1732.6	1752.6	
Release 99	RMC,12.2kbps	22.04	21.61	21.70	22.5
HSDPA	Subtest1	20.59	20.29	20.14	21.0
	Subtest2	20.19	19.87	19.72	20.5
	Subtest3	20.03	19.72	19.56	20.5
	Subtest4	20.02	19.70	19.55	20.5
HSUPA	Subtest1	21.12	20.57	20.54	21.5
	Subtest2	20.55	20.00	20.07	21.0
	Subtest3	21.09	20.55	20.56	21.5
	Subtest4	20.70	20.20	20.11	21.0
	Subtest5	20.50	20.02	20.02	20.5
HSPA+	QPSK	21.04	19.73	19.45	21.5
	16QAM	20.98	19.71	19.41	21.0
DC-HSDPA	Subtest1	20.89	19.89	20.10	21.0
	Subtest2	20.45	20.02	20.14	20.5
	Subtest3	20.34	19.92	20.03	20.5
	Subtest4	20.32	19.91	20.01	20.5

WCDMA BAND V

Mode		RF Output Power(dBm)			Tuneup Tolerance (dBm)
		4132	4183	4233	
		826.4	836.6	846.6	
Release 99	RMC,12.2kbps	22.51	22.25	22.18	23.0
HSDPA	Subtest1	20.94	20.94	20.10	21.0
	Subtest2	20.58	20.53	19.67	21.0
	Subtest3	20.44	20.40	19.54	20.5
	Subtest4	20.44	20.38	19.52	20.5
HSUPA	Subtest1	20.93	20.68	19.97	21.0
	Subtest2	20.36	20.15	19.47	20.5
	Subtest3	20.94	20.67	19.97	21.0
	Subtest4	20.47	20.25	19.72	20.5
	Subtest5	20.32	20.10	19.43	20.5
HSPA+	QPSK	20.79	19.60	19.64	21.0
	16QAM	20.65	19.46	19.48	21.0
DC-HSDPA	Subtest1	20.57	20.18	19.94	21.0
	Subtest2	20.18	20.30	19.98	20.5
	Subtest3	20.08	20.20	19.85	20.5
	Subtest4	19.95	20.18	19.83	20.5

LTE BAND 2

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1850.7	18607	1.4	1	0	20.99	21.0
QPSK	1850.7	18607	1.4	1	3	20.99	21.0
QPSK	1850.7	18607	1.4	1	5	20.89	21.0
QPSK	1850.7	18607	1.4	3	0	21.01	21.5
QPSK	1850.7	18607	1.4	3	1	21.00	21.0
QPSK	1850.7	18607	1.4	3	3	21.06	21.5
QPSK	1850.7	18607	1.4	6	0	20.08	20.5
QPSK	1880	18900	1.4	1	0	20.46	20.5
QPSK	1880	18900	1.4	1	3	20.60	21.0
QPSK	1880	18900	1.4	1	5	20.51	21.0
QPSK	1880	18900	1.4	3	0	20.45	20.5
QPSK	1880	18900	1.4	3	1	20.59	21.0
QPSK	1880	18900	1.4	3	3	20.41	20.5
QPSK	1880	18900	1.4	6	0	19.45	19.5
QPSK	1909.3	19193	1.4	1	0	21.04	21.5
QPSK	1909.3	19193	1.4	1	3	21.16	21.5
QPSK	1909.3	19193	1.4	1	5	21.06	21.5
QPSK	1909.3	19193	1.4	3	0	21.04	21.5
QPSK	1909.3	19193	1.4	3	1	21.11	21.5
QPSK	1909.3	19193	1.4	3	3	21.09	21.5
QPSK	1909.3	19193	1.4	6	0	20.04	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1850.7	18607	1.4	1	0	20.11	20.5
16QAM	1850.7	18607	1.4	1	3	20.10	20.5
16QAM	1850.7	18607	1.4	1	5	20.08	20.5
16QAM	1850.7	18607	1.4	3	0	20.13	20.5
16QAM	1850.7	18607	1.4	3	1	20.16	20.5
16QAM	1850.7	18607	1.4	3	3	20.16	20.5
16QAM	1850.7	18607	1.4	6	0	19.18	19.5
16QAM	1880	18900	1.4	1	0	19.59	20.0
16QAM	1880	18900	1.4	1	3	19.69	20.0
16QAM	1880	18900	1.4	1	5	19.61	20.0
16QAM	1880	18900	1.4	3	0	19.38	19.5
16QAM	1880	18900	1.4	3	1	19.37	19.5
16QAM	1880	18900	1.4	3	3	19.37	19.5
16QAM	1880	18900	1.4	6	0	18.46	18.5
16QAM	1909.3	19193	1.4	1	0	20.26	20.5
16QAM	1909.3	19193	1.4	1	3	20.32	20.5
16QAM	1909.3	19193	1.4	1	5	20.26	20.5
16QAM	1909.3	19193	1.4	3	0	19.87	20.0
16QAM	1909.3	19193	1.4	3	1	19.88	20.0
16QAM	1909.3	19193	1.4	3	3	19.94	20.0
16QAM	1909.3	19193	1.4	6	0	19.10	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1851.5	18615	3	1	0	20.88	21.0
QPSK	1851.5	18615	3	1	8	20.94	21.0
QPSK	1851.5	18615	3	1	14	20.93	21.0
QPSK	1851.5	18615	3	8	0	19.97	20.0
QPSK	1851.5	18615	3	8	4	19.97	20.0
QPSK	1851.5	18615	3	8	7	19.93	20.0
QPSK	1851.5	18615	3	15	0	19.97	20.0
QPSK	1880	18900	3	1	0	20.52	21.0
QPSK	1880	18900	3	1	8	20.58	21.0
QPSK	1880	18900	3	1	14	20.50	20.5
QPSK	1880	18900	3	8	0	19.52	20.0
QPSK	1880	18900	3	8	4	19.54	20.0
QPSK	1880	18900	3	8	7	19.51	20.0
QPSK	1880	18900	3	15	0	19.51	20.0
QPSK	1908.5	19185	3	1	0	21.17	21.5
QPSK	1908.5	19185	3	1	8	21.09	21.5
QPSK	1908.5	19185	3	1	14	21.17	21.5
QPSK	1908.5	19185	3	8	0	20.07	20.5
QPSK	1908.5	19185	3	8	4	20.20	20.5
QPSK	1908.5	19185	3	8	7	20.18	20.5
QPSK	1908.5	19185	3	15	0	20.22	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1851.5	18615	3	1	0	20.52	21.0
16QAM	1851.5	18615	3	1	8	20.57	21.0
16QAM	1851.5	18615	3	1	14	20.53	21.0
16QAM	1851.5	18615	3	8	0	19.09	19.5
16QAM	1851.5	18615	3	8	4	19.02	19.5
16QAM	1851.5	18615	3	8	7	19.01	19.5
16QAM	1851.5	18615	3	15	0	19.04	19.5
16QAM	1880	18900	3	1	0	19.68	20.0
16QAM	1880	18900	3	1	8	19.75	20.0
16QAM	1880	18900	3	1	14	19.72	20.0
16QAM	1880	18900	3	8	0	18.35	18.5
16QAM	1880	18900	3	8	4	18.42	18.5
16QAM	1880	18900	3	8	7	18.43	18.5
16QAM	1880	18900	3	15	0	18.54	19.0
16QAM	1908.5	19185	3	1	0	20.38	20.5
16QAM	1908.5	19185	3	1	8	20.31	20.5
16QAM	1908.5	19185	3	1	14	20.40	20.5
16QAM	1908.5	19185	3	8	0	19.14	19.5
16QAM	1908.5	19185	3	8	4	19.18	19.5
16QAM	1908.5	19185	3	8	7	19.08	19.5
16QAM	1908.5	19185	3	15	0	19.11	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1852.5	18625	5	1	0	20.96	21.0
QPSK	1852.5	18625	5	1	12	20.83	21.0
QPSK	1852.5	18625	5	1	24	20.90	21.0
QPSK	1852.5	18625	5	12	0	19.95	20.0
QPSK	1852.5	18625	5	12	7	19.98	20.0
QPSK	1852.5	18625	5	12	13	19.95	20.0
QPSK	1852.5	18625	5	25	0	19.93	20.0
QPSK	1880	18900	5	1	0	20.57	21.0
QPSK	1880	18900	5	1	12	20.49	20.5
QPSK	1880	18900	5	1	24	20.61	21.0
QPSK	1880	18900	5	12	0	19.55	20.0
QPSK	1880	18900	5	12	7	19.55	20.0
QPSK	1880	18900	5	12	13	19.59	20.0
QPSK	1880	18900	5	25	0	19.50	19.5
QPSK	1907.5	19175	5	1	0	21.15	21.5
QPSK	1907.5	19175	5	1	12	21.24	21.5
QPSK	1907.5	19175	5	1	24	21.29	21.5
QPSK	1907.5	19175	5	12	0	20.18	20.5
QPSK	1907.5	19175	5	12	7	20.14	20.5
QPSK	1907.5	19175	5	12	13	20.19	20.5
QPSK	1907.5	19175	5	25	0	20.15	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1852.5	18625	5	1	0	20.28	20.5
16QAM	1852.5	18625	5	1	12	20.19	20.5
16QAM	1852.5	18625	5	1	24	20.33	20.5
16QAM	1852.5	18625	5	12	0	18.97	19.0
16QAM	1852.5	18625	5	12	7	18.97	19.0
16QAM	1852.5	18625	5	12	13	18.88	19.0
16QAM	1852.5	18625	5	25	0	18.92	19.0
16QAM	1880	18900	5	1	0	19.88	20.0
16QAM	1880	18900	5	1	12	19.92	20.0
16QAM	1880	18900	5	1	24	19.95	20.0
16QAM	1880	18900	5	12	0	18.50	18.5
16QAM	1880	18900	5	12	7	18.54	19.0
16QAM	1880	18900	5	12	13	18.52	19.0
16QAM	1880	18900	5	25	0	18.57	19.0
16QAM	1907.5	19175	5	1	0	20.57	21.0
16QAM	1907.5	19175	5	1	12	20.48	20.5
16QAM	1907.5	19175	5	1	24	20.44	20.5
16QAM	1907.5	19175	5	12	0	19.18	19.5
16QAM	1907.5	19175	5	12	7	19.17	19.5
16QAM	1907.5	19175	5	12	13	19.19	19.5
16QAM	1907.5	19175	5	25	0	19.17	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1855	18650	10	1	0	20.94	21.0
QPSK	1855	18650	10	1	25	20.87	21.0
QPSK	1855	18650	10	1	49	20.82	21.0
QPSK	1855	18650	10	25	0	19.91	20.0
QPSK	1855	18650	10	25	12	19.96	20.0
QPSK	1855	18650	10	25	25	19.86	20.0
QPSK	1855	18650	10	50	0	19.85	20.0
QPSK	1880	18900	10	1	0	20.67	21.0
QPSK	1880	18900	10	1	25	20.55	21.0
QPSK	1880	18900	10	1	49	20.58	21.0
QPSK	1880	18900	10	25	0	19.59	20.0
QPSK	1880	18900	10	25	12	19.59	20.0
QPSK	1880	18900	10	25	25	19.58	20.0
QPSK	1880	18900	10	50	0	19.55	20.0
QPSK	1905	19150	10	1	0	20.98	21.0
QPSK	1905	19150	10	1	25	21.21	21.5
QPSK	1905	19150	10	1	49	21.19	21.5
QPSK	1905	19150	10	25	0	20.03	20.5
QPSK	1905	19150	10	25	12	20.01	20.5
QPSK	1905	19150	10	25	25	20.19	20.5
QPSK	1905	19150	10	50	0	19.99	20.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1855	18650	10	1	0	20.50	20.5
16QAM	1855	18650	10	1	25	20.54	21.0
16QAM	1855	18650	10	1	49	20.42	20.5
16QAM	1855	18650	10	25	0	18.98	19.0
16QAM	1855	18650	10	25	12	18.92	19.0
16QAM	1855	18650	10	25	25	18.86	19.0
16QAM	1855	18650	10	50	0	18.88	19.0
16QAM	1880	18900	10	1	0	20.00	20.0
16QAM	1880	18900	10	1	25	19.77	20.0
16QAM	1880	18900	10	1	49	19.72	20.0
16QAM	1880	18900	10	25	0	18.57	19.0
16QAM	1880	18900	10	25	12	18.65	19.0
16QAM	1880	18900	10	25	25	18.61	19.0
16QAM	1880	18900	10	50	0	18.55	19.0
16QAM	1905	19150	10	1	0	20.19	20.5
16QAM	1905	19150	10	1	25	20.39	20.5
16QAM	1905	19150	10	1	49	20.30	20.5
16QAM	1905	19150	10	25	0	19.01	19.5
16QAM	1905	19150	10	25	12	19.08	19.5
16QAM	1905	19150	10	25	25	19.15	19.5
16QAM	1905	19150	10	50	0	19.01	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1857.5	18675	15	1	0	20.97	21.0
QPSK	1857.5	18675	15	1	37	20.80	21.0
QPSK	1857.5	18675	15	1	74	20.57	21.0
QPSK	1857.5	18675	15	36	0	19.96	20.0
QPSK	1857.5	18675	15	36	29	19.82	20.0
QPSK	1857.5	18675	15	36	30	19.80	20.0
QPSK	1857.5	18675	15	75	0	19.88	20.0
QPSK	1880	18900	15	1	0	20.72	21.0
QPSK	1880	18900	15	1	37	20.59	21.0
QPSK	1880	18900	15	1	74	20.65	21.0
QPSK	1880	18900	15	36	0	19.60	20.0
QPSK	1880	18900	15	36	29	19.63	20.0
QPSK	1880	18900	15	36	30	19.58	20.0
QPSK	1880	18900	15	75	0	19.62	20.0
QPSK	1902.5	19125	15	1	0	20.90	21.0
QPSK	1902.5	19125	15	1	37	20.88	21.0
QPSK	1902.5	19125	15	1	74	21.08	21.5
QPSK	1902.5	19125	15	36	0	19.92	20.0
QPSK	1902.5	19125	15	36	29	20.06	20.5
QPSK	1902.5	19125	15	36	30	20.06	20.5
QPSK	1902.5	19125	15	75	0	20.03	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1857.5	18675	15	1	0	20.57	21.0
16QAM	1857.5	18675	15	1	37	20.43	20.5
16QAM	1857.5	18675	15	1	74	20.24	20.5
16QAM	1857.5	18675	15	36	0	19.01	19.5
16QAM	1857.5	18675	15	36	29	18.82	19.0
16QAM	1857.5	18675	15	36	30	18.86	19.0
16QAM	1857.5	18675	15	75	0	18.90	19.0
16QAM	1880	18900	15	1	0	19.82	20.0
16QAM	1880	18900	15	1	37	19.84	20.0
16QAM	1880	18900	15	1	74	19.79	20.0
16QAM	1880	18900	15	36	0	18.64	19.0
16QAM	1880	18900	15	36	29	18.60	19.0
16QAM	1880	18900	15	36	30	18.59	19.0
16QAM	1880	18900	15	75	0	18.58	19.0
16QAM	1902.5	19125	15	1	0	20.26	20.5
16QAM	1902.5	19125	15	1	37	20.36	20.5
16QAM	1902.5	19125	15	1	74	20.50	20.5
16QAM	1902.5	19125	15	36	0	19.00	19.0
16QAM	1902.5	19125	15	36	29	19.12	19.5
16QAM	1902.5	19125	15	36	30	19.04	19.5
16QAM	1902.5	19125	15	75	0	18.98	19.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1860	18700	20	1	0	21.03	21.5
QPSK	1860	18700	20	1	49	20.82	21.0
QPSK	1860	18700	20	1	99	20.59	21.0
QPSK	1860	18700	20	50	0	19.91	20.0
QPSK	1860	18700	20	50	24	19.81	20.0
QPSK	1860	18700	20	50	50	19.78	20.0
QPSK	1860	18700	20	100	0	19.89	20.0
QPSK	1880	18900	20	1	0	20.64	21.0
QPSK	1880	18900	20	1	49	20.64	21.0
QPSK	1880	18900	20	1	99	20.75	21.0
QPSK	1880	18900	20	50	0	19.62	20.0
QPSK	1880	18900	20	50	24	19.54	20.0
QPSK	1880	18900	20	50	50	19.51	20.0
QPSK	1880	18900	20	100	0	19.61	20.0
QPSK	1900	19100	20	1	0	20.61	21.0
QPSK	1900	19100	20	1	49	20.96	21.0
QPSK	1900	19100	20	1	99	21.08	21.5
QPSK	1900	19100	20	50	0	19.76	20.0
QPSK	1900	19100	20	50	24	19.91	20.0
QPSK	1900	19100	20	50	50	19.98	20.0
QPSK	1900	19100	20	100	0	19.93	20.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1860	18700	20	1	0	20.35	20.5
16QAM	1860	18700	20	1	49	20.12	20.5
16QAM	1860	18700	20	1	99	19.80	20.0
16QAM	1860	18700	20	50	0	18.89	19.0
16QAM	1860	18700	20	50	24	18.81	19.0
16QAM	1860	18700	20	50	50	18.79	19.0
16QAM	1860	18700	20	100	0	18.91	19.0
16QAM	1880	18900	20	1	0	19.93	20.0
16QAM	1880	18900	20	1	49	19.89	20.0
16QAM	1880	18900	20	1	99	20.01	20.5
16QAM	1880	18900	20	50	0	18.59	19.0
16QAM	1880	18900	20	50	24	18.58	19.0
16QAM	1880	18900	20	50	50	18.53	19.0
16QAM	1880	18900	20	100	0	18.56	19.0
16QAM	1900	19100	20	1	0	19.91	20.0
16QAM	1900	19100	20	1	49	20.24	20.5
16QAM	1900	19100	20	1	99	20.39	20.5
16QAM	1900	19100	20	50	0	18.73	19.0
16QAM	1900	19100	20	50	24	18.95	19.0
16QAM	1900	19100	20	50	50	18.97	19.0
16QAM	1900	19100	20	100	0	18.95	19.0

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Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1732.5	20175	1.4	1	0	21.06	21.5
QPSK	1732.5	20175	1.4	1	3	21.04	21.5
QPSK	1732.5	20175	1.4	1	5	20.97	21.0
QPSK	1732.5	20175	1.4	3	0	21.00	21.0
QPSK	1732.5	20175	1.4	3	1	21.06	21.5
QPSK	1732.5	20175	1.4	3	3	21.03	21.5
QPSK	1732.5	20175	1.4	6	0	20.07	20.5
QPSK	1754.3	20393	1.4	1	0	21.02	21.5
QPSK	1754.3	20393	1.4	1	3	21.16	21.5
QPSK	1754.3	20393	1.4	1	5	21.02	21.5
QPSK	1754.3	20393	1.4	3	0	21.10	21.5
QPSK	1754.3	20393	1.4	3	1	21.14	21.5
QPSK	1754.3	20393	1.4	3	3	21.08	21.5
QPSK	1754.3	20393	1.4	6	0	20.17	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1710.7	19957	1.4	1	0	20.75	21.0
16QAM	1710.7	19957	1.4	1	3	20.93	21.0
16QAM	1710.7	19957	1.4	1	5	20.73	21.0
16QAM	1710.7	19957	1.4	3	0	20.70	21.0
16QAM	1710.7	19957	1.4	3	1	20.81	21.0
16QAM	1710.7	19957	1.4	3	3	20.71	21.0
16QAM	1710.7	19957	1.4	6	0	19.62	20.0
16QAM	1732.5	20175	1.4	1	0	20.25	20.5
16QAM	1732.5	20175	1.4	1	3	20.35	20.5
16QAM	1732.5	20175	1.4	1	5	20.32	20.5
16QAM	1732.5	20175	1.4	3	0	19.91	20.0
16QAM	1732.5	20175	1.4	3	1	19.95	20.0
16QAM	1732.5	20175	1.4	3	3	19.96	20.0
16QAM	1732.5	20175	1.4	6	0	19.16	19.5
16QAM	1754.3	20393	1.4	1	0	20.11	20.5
16QAM	1754.3	20393	1.4	1	3	20.28	20.5
16QAM	1754.3	20393	1.4	1	5	20.11	20.5
16QAM	1754.3	20393	1.4	3	0	20.15	20.5
16QAM	1754.3	20393	1.4	3	1	20.24	20.5
16QAM	1754.3	20393	1.4	3	3	20.16	20.5
16QAM	1754.3	20393	1.4	6	0	19.27	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1711.5	19965	3	1	0	22.47	22.5
QPSK	1711.5	19965	3	1	8	21.70	22.0
QPSK	1711.5	19965	3	1	14	21.63	22.0
QPSK	1711.5	19965	3	8	0	20.71	21.0
QPSK	1711.5	19965	3	8	4	20.75	21.0
QPSK	1711.5	19965	3	8	7	20.65	21.0
QPSK	1711.5	19965	3	15	0	20.68	21.0
QPSK	1732.5	20175	3	1	0	21.00	21.0
QPSK	1732.5	20175	3	1	8	21.01	21.5
QPSK	1732.5	20175	3	1	14	21.03	21.5
QPSK	1732.5	20175	3	8	0	20.11	20.5
QPSK	1732.5	20175	3	8	4	20.09	20.5
QPSK	1732.5	20175	3	8	7	20.12	20.5
QPSK	1732.5	20175	3	15	0	20.10	20.5
QPSK	1753.5	20385	3	1	0	21.01	21.5
QPSK	1753.5	20385	3	1	8	21.06	21.5
QPSK	1753.5	20385	3	1	14	21.04	21.5
QPSK	1753.5	20385	3	8	0	20.12	20.5
QPSK	1753.5	20385	3	8	4	20.19	20.5
QPSK	1753.5	20385	3	8	7	20.18	20.5
QPSK	1753.5	20385	3	15	0	20.18	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1711.5	19965	3	1	0	20.99	21.0
16QAM	1711.5	19965	3	1	8	20.79	21.0
16QAM	1711.5	19965	3	1	14	20.80	21.0
16QAM	1711.5	19965	3	8	0	19.76	20.0
16QAM	1711.5	19965	3	8	4	19.79	20.0
16QAM	1711.5	19965	3	8	7	19.67	20.0
16QAM	1711.5	19965	3	15	0	19.66	20.0
16QAM	1732.5	20175	3	1	0	20.62	21.0
16QAM	1732.5	20175	3	1	8	20.61	21.0
16QAM	1732.5	20175	3	1	14	20.58	21.0
16QAM	1732.5	20175	3	8	0	19.12	19.5
16QAM	1732.5	20175	3	8	4	19.15	19.5
16QAM	1732.5	20175	3	8	7	19.14	19.5
16QAM	1732.5	20175	3	15	0	19.17	19.5
16QAM	1753.5	20385	3	1	0	20.27	20.5
16QAM	1753.5	20385	3	1	8	20.42	20.5
16QAM	1753.5	20385	3	1	14	20.30	20.5
16QAM	1753.5	20385	3	8	0	19.13	19.5
16QAM	1753.5	20385	3	8	4	19.16	19.5
16QAM	1753.5	20385	3	8	7	19.16	19.5
16QAM	1753.5	20385	3	15	0	19.14	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1712.5	19975	5	1	0	22.72	23.0
QPSK	1712.5	19975	5	1	12	21.77	22.0
QPSK	1712.5	19975	5	1	24	21.57	22.0
QPSK	1712.5	19975	5	12	0	20.72	21.0
QPSK	1712.5	19975	5	12	7	20.73	21.0
QPSK	1712.5	19975	5	12	13	20.71	21.0
QPSK	1712.5	19975	5	25	0	20.70	21.0
QPSK	1732.5	20175	5	1	0	21.15	21.5
QPSK	1732.5	20175	5	1	12	21.04	21.5
QPSK	1732.5	20175	5	1	24	21.06	21.5
QPSK	1732.5	20175	5	12	0	20.19	20.5
QPSK	1732.5	20175	5	12	7	20.11	20.5
QPSK	1732.5	20175	5	12	13	20.10	20.5
QPSK	1732.5	20175	5	25	0	20.09	20.5
QPSK	1752.5	20375	5	1	0	21.16	21.5
QPSK	1752.5	20375	5	1	12	21.15	21.5
QPSK	1752.5	20375	5	1	24	21.22	21.5
QPSK	1752.5	20375	5	12	0	20.17	20.5
QPSK	1752.5	20375	5	12	7	20.21	20.5
QPSK	1752.5	20375	5	12	13	20.19	20.5
QPSK	1752.5	20375	5	25	0	20.16	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1712.5	19975	5	1	0	20.83	21.0
16QAM	1712.5	19975	5	1	12	20.83	21.0
16QAM	1712.5	19975	5	1	24	20.84	21.0
16QAM	1712.5	19975	5	12	0	19.80	20.0
16QAM	1712.5	19975	5	12	7	19.72	20.0
16QAM	1712.5	19975	5	12	13	19.78	20.0
16QAM	1712.5	19975	5	25	0	19.75	20.0
16QAM	1732.5	20175	5	1	0	20.24	20.5
16QAM	1732.5	20175	5	1	12	20.24	20.5
16QAM	1732.5	20175	5	1	24	20.16	20.5
16QAM	1732.5	20175	5	12	0	19.11	19.5
16QAM	1732.5	20175	5	12	7	19.15	19.5
16QAM	1732.5	20175	5	12	13	19.03	19.5
16QAM	1732.5	20175	5	25	0	19.14	19.5
16QAM	1752.5	20375	5	1	0	20.44	20.5
16QAM	1752.5	20375	5	1	12	20.55	21.0
16QAM	1752.5	20375	5	1	24	20.57	21.0
16QAM	1752.5	20375	5	12	0	19.06	19.5
16QAM	1752.5	20375	5	12	7	19.17	19.5
16QAM	1752.5	20375	5	12	13	19.15	19.5
16QAM	1752.5	20375	5	25	0	19.14	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1715	20000	10	1	0	21.73	22.0
QPSK	1715	20000	10	1	25	21.59	22.0
QPSK	1715	20000	10	1	49	21.44	21.5
QPSK	1715	20000	10	25	0	20.67	21.0
QPSK	1715	20000	10	25	12	20.68	21.0
QPSK	1715	20000	10	25	25	20.55	21.0
QPSK	1715	20000	10	50	0	20.64	21.0
QPSK	1732.5	20175	10	1	0	21.15	21.5
QPSK	1732.5	20175	10	1	25	21.08	21.5
QPSK	1732.5	20175	10	1	49	21.05	21.5
QPSK	1732.5	20175	10	25	0	20.15	20.5
QPSK	1732.5	20175	10	25	12	20.14	20.5
QPSK	1732.5	20175	10	25	25	20.04	20.5
QPSK	1732.5	20175	10	50	0	20.10	20.5
QPSK	1750	20350	10	1	0	20.99	21.0
QPSK	1750	20350	10	1	25	21.02	21.5
QPSK	1750	20350	10	1	49	21.18	21.5
QPSK	1750	20350	10	25	0	20.06	20.5
QPSK	1750	20350	10	25	12	20.13	20.5
QPSK	1750	20350	10	25	25	20.13	20.5
QPSK	1750	20350	10	50	0	20.09	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1715	20000	10	1	0	20.92	21.0
16QAM	1715	20000	10	1	25	20.83	21.0
16QAM	1715	20000	10	1	49	20.68	21.0
16QAM	1715	20000	10	25	0	19.70	20.0
16QAM	1715	20000	10	25	12	19.67	20.0
16QAM	1715	20000	10	25	25	19.63	20.0
16QAM	1715	20000	10	50	0	19.67	20.0
16QAM	1732.5	20175	10	1	0	20.75	21.0
16QAM	1732.5	20175	10	1	25	20.65	21.0
16QAM	1732.5	20175	10	1	49	20.65	21.0
16QAM	1732.5	20175	10	25	0	19.22	19.5
16QAM	1732.5	20175	10	25	12	19.15	19.5
16QAM	1732.5	20175	10	25	25	19.08	19.5
16QAM	1732.5	20175	10	50	0	19.09	19.5
16QAM	1750	20350	10	1	0	20.22	20.5
16QAM	1750	20350	10	1	25	20.21	20.5
16QAM	1750	20350	10	1	49	20.29	20.5
16QAM	1750	20350	10	25	0	19.10	19.5
16QAM	1750	20350	10	25	12	19.18	19.5
16QAM	1750	20350	10	25	25	19.15	19.5
16QAM	1750	20350	10	50	0	19.13	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1717.5	20025	15	1	0	21.69	22.0
QPSK	1717.5	20025	15	1	37	21.51	22.0
QPSK	1717.5	20025	15	1	74	21.22	21.5
QPSK	1717.5	20025	15	36	0	20.63	21.0
QPSK	1717.5	20025	15	36	29	20.53	21.0
QPSK	1717.5	20025	15	36	30	20.52	21.0
QPSK	1717.5	20025	15	75	0	20.55	21.0
QPSK	1732.5	20175	15	1	0	21.21	21.5
QPSK	1732.5	20175	15	1	37	20.95	21.0
QPSK	1732.5	20175	15	1	74	20.91	21.0
QPSK	1732.5	20175	15	36	0	20.21	20.5
QPSK	1732.5	20175	15	36	29	20.05	20.5
QPSK	1732.5	20175	15	36	30	20.03	20.5
QPSK	1732.5	20175	15	75	0	20.08	20.5
QPSK	1747.5	20325	15	1	0	20.96	21.0
QPSK	1747.5	20325	15	1	37	20.97	21.0
QPSK	1747.5	20325	15	1	74	21.02	21.5
QPSK	1747.5	20325	15	36	0	19.95	20.0
QPSK	1747.5	20325	15	36	29	20.08	20.5
QPSK	1747.5	20325	15	36	30	20.12	20.5
QPSK	1747.5	20325	15	75	0	19.93	20.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1717.5	20025	15	1	0	21.27	21.5
16QAM	1717.5	20025	15	1	37	21.12	21.5
16QAM	1717.5	20025	15	1	74	20.85	21.0
16QAM	1717.5	20025	15	36	0	19.67	20.0
16QAM	1717.5	20025	15	36	29	19.52	20.0
16QAM	1717.5	20025	15	36	30	19.50	19.5
16QAM	1717.5	20025	15	75	0	19.55	20.0
16QAM	1732.5	20175	15	1	0	20.46	20.5
16QAM	1732.5	20175	15	1	37	20.27	20.5
16QAM	1732.5	20175	15	1	74	20.12	20.5
16QAM	1732.5	20175	15	36	0	19.15	19.5
16QAM	1732.5	20175	15	36	29	19.09	19.5
16QAM	1732.5	20175	15	36	30	19.08	19.5
16QAM	1732.5	20175	15	75	0	19.18	19.5
16QAM	1747.5	20325	15	1	0	20.37	20.5
16QAM	1747.5	20325	15	1	37	20.33	20.5
16QAM	1747.5	20325	15	1	74	20.49	20.5
16QAM	1747.5	20325	15	36	0	18.99	19.0
16QAM	1747.5	20325	15	36	29	19.11	19.5
16QAM	1747.5	20325	15	36	30	19.13	19.5
16QAM	1747.5	20325	15	75	0	18.95	19.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1720	20050	20	1	0	21.63	22.0
QPSK	1720	20050	20	1	49	21.46	21.5
QPSK	1720	20050	20	1	99	21.13	21.5
QPSK	1720	20050	20	50	0	20.59	21.0
QPSK	1720	20050	20	50	24	20.53	21.0
QPSK	1720	20050	20	50	50	20.34	20.5
QPSK	1720	20050	20	100	0	20.43	20.5
QPSK	1732.5	20175	20	1	0	21.34	21.5
QPSK	1732.5	20175	20	1	49	21.03	21.5
QPSK	1732.5	20175	20	1	99	20.91	21.0
QPSK	1732.5	20175	20	50	0	20.20	20.5
QPSK	1732.5	20175	20	50	24	20.15	20.5
QPSK	1732.5	20175	20	50	50	19.98	20.0
QPSK	1732.5	20175	20	100	0	20.10	20.5
QPSK	1745	20300	20	1	0	20.89	21.0
QPSK	1745	20300	20	1	49	20.97	21.0
QPSK	1745	20300	20	1	99	21.09	21.5
QPSK	1745	20300	20	50	0	19.96	20.0
QPSK	1745	20300	20	50	24	19.99	20.0
QPSK	1745	20300	20	50	50	20.11	20.5
QPSK	1745	20300	20	100	0	20.00	20.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1720	20050	20	1	0	20.99	21.0
16QAM	1720	20050	20	1	49	20.82	21.0
16QAM	1720	20050	20	1	99	20.57	21.0
16QAM	1720	20050	20	50	0	19.58	20.0
16QAM	1720	20050	20	50	24	19.54	20.0
16QAM	1720	20050	20	50	50	19.32	19.5
16QAM	1720	20050	20	100	0	19.46	19.5
16QAM	1732.5	20175	20	1	0	20.60	21.0
16QAM	1732.5	20175	20	1	49	20.30	20.5
16QAM	1732.5	20175	20	1	99	20.25	20.5
16QAM	1732.5	20175	20	50	0	19.19	19.5
16QAM	1732.5	20175	20	50	24	19.12	19.5
16QAM	1732.5	20175	20	50	50	18.98	19.0
16QAM	1732.5	20175	20	100	0	19.15	19.5
16QAM	1745	20300	20	1	0	20.21	20.5
16QAM	1745	20300	20	1	49	20.33	20.5
16QAM	1745	20300	20	1	99	20.42	20.5
16QAM	1745	20300	20	50	0	18.94	19.0
16QAM	1745	20300	20	50	24	18.95	19.0
16QAM	1745	20300	20	50	50	19.08	19.5
16QAM	1745	20300	20	100	0	18.97	19.0

LTE Band 5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	836.5	20525	1.4	1	0	21.78	22.0
QPSK	836.5	20525	1.4	1	3	21.80	22.0
QPSK	836.5	20525	1.4	1	5	21.77	22.0
QPSK	836.5	20525	1.4	3	0	21.76	22.0
QPSK	836.5	20525	1.4	3	1	21.80	22.0
QPSK	836.5	20525	1.4	3	3	21.75	22.0
QPSK	836.5	20525	1.4	6	0	20.69	21.0
QPSK	848.3	20643	1.4	1	0	21.72	22.0
QPSK	848.3	20643	1.4	1	3	21.78	22.0
QPSK	848.3	20643	1.4	1	5	21.65	22.0
QPSK	848.3	20643	1.4	3	0	21.72	22.0
QPSK	848.3	20643	1.4	3	1	21.79	22.0
QPSK	848.3	20643	1.4	3	3	21.76	22.0
QPSK	848.3	20643	1.4	6	0	20.69	21.0
QPSK	824.7	20407	1.4	1	0	21.91	22.0
QPSK	824.7	20407	1.4	1	3	22.01	22.5
QPSK	824.7	20407	1.4	1	5	21.93	22.0
QPSK	824.7	20407	1.4	3	0	21.89	22.0
QPSK	824.7	20407	1.4	3	1	21.94	22.0
QPSK	824.7	20407	1.4	3	3	21.96	22.0
QPSK	824.7	20407	1.4	6	0	20.81	21.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	824.7	20407	1.4	1	0	21.12	21.5
16QAM	824.7	20407	1.4	1	3	21.04	21.5
16QAM	824.7	20407	1.4	1	5	21.16	21.5
16QAM	824.7	20407	1.4	3	0	20.99	21.0
16QAM	824.7	20407	1.4	3	1	20.83	21.0
16QAM	824.7	20407	1.4	3	3	21.09	21.5
16QAM	824.7	20407	1.4	6	0	19.89	20.0
16QAM	836.5	20525	1.4	1	0	20.98	21.0
16QAM	836.5	20525	1.4	1	3	21.03	21.5
16QAM	836.5	20525	1.4	1	5	21.04	21.5
16QAM	836.5	20525	1.4	3	0	20.62	21.0
16QAM	836.5	20525	1.4	3	1	20.71	21.0
16QAM	836.5	20525	1.4	3	3	20.60	21.0
16QAM	836.5	20525	1.4	6	0	19.81	20.0
16QAM	848.3	20643	1.4	1	0	20.69	21.0
16QAM	848.3	20643	1.4	1	3	20.87	21.0
16QAM	848.3	20643	1.4	1	5	20.76	21.0
16QAM	848.3	20643	1.4	3	0	20.76	21.0
16QAM	848.3	20643	1.4	3	1	20.85	21.0
16QAM	848.3	20643	1.4	3	3	20.78	21.0
16QAM	848.3	20643	1.4	6	0	19.85	20.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	836.5	20525	3	1	0	21.78	22.0
QPSK	836.5	20525	3	1	8	21.80	22.0
QPSK	836.5	20525	3	1	14	21.74	22.0
QPSK	836.5	20525	3	8	0	20.70	21.0
QPSK	836.5	20525	3	8	4	20.81	21.0
QPSK	836.5	20525	3	8	7	20.72	21.0
QPSK	836.5	20525	3	15	0	20.80	21.0
QPSK	847.5	20635	3	1	0	21.81	22.0
QPSK	847.5	20635	3	1	8	21.73	22.0
QPSK	847.5	20635	3	1	14	21.69	22.0
QPSK	847.5	20635	3	8	0	20.79	21.0
QPSK	847.5	20635	3	8	4	20.81	21.0
QPSK	847.5	20635	3	8	7	20.73	21.0
QPSK	847.5	20635	3	15	0	20.79	21.0
QPSK	825.5	20415	3	1	0	21.88	22.0
QPSK	825.5	20415	3	1	8	21.86	22.0
QPSK	825.5	20415	3	1	14	21.89	22.0
QPSK	825.5	20415	3	8	0	20.87	21.0
QPSK	825.5	20415	3	8	4	20.93	21.0
QPSK	825.5	20415	3	8	7	20.92	21.0
QPSK	825.5	20415	3	15	0	20.87	21.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	836.5	20525	3	1	0	20.95	21.0
16QAM	836.5	20525	3	1	8	20.93	21.0
16QAM	836.5	20525	3	1	14	20.87	21.0
16QAM	836.5	20525	3	8	0	19.72	20.0
16QAM	836.5	20525	3	8	4	19.75	20.0
16QAM	836.5	20525	3	8	7	19.66	20.0
16QAM	836.5	20525	3	15	0	19.71	20.0
16QAM	847.5	20635	3	1	0	20.99	21.0
16QAM	847.5	20635	3	1	8	20.97	21.0
16QAM	847.5	20635	3	1	14	20.92	21.0
16QAM	847.5	20635	3	8	0	19.79	20.0
16QAM	847.5	20635	3	8	4	19.78	20.0
16QAM	847.5	20635	3	8	7	19.74	20.0
16QAM	847.5	20635	3	15	0	19.80	20.0
16QAM	825.5	20415	3	1	0	21.48	21.5
16QAM	825.5	20415	3	1	8	21.49	21.5
16QAM	825.5	20415	3	1	14	21.45	21.5
16QAM	825.5	20415	3	8	0	19.96	20.0
16QAM	825.5	20415	3	8	4	19.96	20.0
16QAM	825.5	20415	3	8	7	19.93	20.0
16QAM	825.5	20415	3	15	0	19.92	20.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	846.5	20625	5	1	0	21.77	22.0
QPSK	846.5	20625	5	1	12	21.85	22.0
QPSK	846.5	20625	5	1	24	21.80	22.0
QPSK	846.5	20625	5	12	0	20.72	21.0
QPSK	846.5	20625	5	12	7	20.83	21.0
QPSK	846.5	20625	5	12	13	20.79	21.0
QPSK	846.5	20625	5	25	0	20.70	21.0
QPSK	836.5	20525	5	1	0	21.82	22.0
QPSK	836.5	20525	5	1	12	21.75	22.0
QPSK	836.5	20525	5	1	24	21.91	22.0
QPSK	836.5	20525	5	12	0	20.82	21.0
QPSK	836.5	20525	5	12	7	20.74	21.0
QPSK	836.5	20525	5	12	13	20.72	21.0
QPSK	836.5	20525	5	25	0	20.74	21.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	846.5	20625	5	1	0	21.00	21.0
16QAM	846.5	20625	5	1	12	21.13	21.5
16QAM	846.5	20625	5	1	24	21.06	21.5
16QAM	846.5	20625	5	12	0	19.73	20.0
16QAM	846.5	20625	5	12	7	19.82	20.0
16QAM	846.5	20625	5	12	13	19.74	20.0
16QAM	846.5	20625	5	25	0	19.66	20.0
16QAM	836.5	20525	5	1	0	21.25	21.5
16QAM	836.5	20525	5	1	12	21.20	21.5
16QAM	836.5	20525	5	1	24	21.01	21.5
16QAM	836.5	20525	5	12	0	19.86	20.0
16QAM	836.5	20525	5	12	7	19.79	20.0
16QAM	836.5	20525	5	12	13	19.76	20.0
16QAM	836.5	20525	5	25	0	19.75	20.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	844	20600	10	1	0	21.83	22.0
QPSK	844	20600	10	1	25	21.64	22.0
QPSK	844	20600	10	1	49	21.74	22.0
QPSK	844	20600	10	25	0	20.77	21.0
QPSK	844	20600	10	25	12	20.80	21.0
QPSK	844	20600	10	25	25	20.68	21.0
QPSK	844	20600	10	50	0	20.75	21.0
QPSK	836.5	20525	10	1	0	21.86	22.0
QPSK	836.5	20525	10	1	25	21.81	22.0
QPSK	836.5	20525	10	1	49	21.87	22.0
QPSK	836.5	20525	10	25	0	20.80	21.0
QPSK	836.5	20525	10	25	12	20.83	21.0
QPSK	836.5	20525	10	25	25	20.79	21.0
QPSK	836.5	20525	10	50	0	20.74	21.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	844	20600	10	1	0	21.03	21.5
16QAM	844	20600	10	1	25	20.96	21.0
16QAM	844	20600	10	1	49	20.94	21.0
16QAM	844	20600	10	25	0	19.86	20.0
16QAM	844	20600	10	25	12	19.78	20.0
16QAM	844	20600	10	25	25	19.71	20.0
16QAM	844	20600	10	50	0	19.78	20.0
16QAM	829	20450	10	1	0	22.29	22.5
16QAM	829	20450	10	1	25	21.49	21.5
16QAM	829	20450	10	1	49	21.09	21.5
16QAM	829	20450	10	25	0	19.87	20.0
16QAM	829	20450	10	25	12	19.88	20.0
16QAM	829	20450	10	25	25	19.82	20.0
16QAM	829	20450	10	50	0	19.84	20.0
16QAM	836.5	20525	10	1	0	21.45	21.5
16QAM	836.5	20525	10	1	25	21.32	21.5
16QAM	836.5	20525	10	1	49	21.39	21.5
16QAM	836.5	20525	10	25	0	19.87	20.0
16QAM	836.5	20525	10	25	12	19.83	20.0
16QAM	836.5	20525	10	25	25	19.81	20.0
16QAM	836.5	20525	10	50	0	19.81	20.0

LTE Band 7

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2502.5	20775	5	1	0	20.63	21.0
QPSK	2502.5	20775	5	1	12	20.66	21.0
QPSK	2502.5	20775	5	1	24	20.77	21.0
QPSK	2502.5	20775	5	12	0	19.70	20.0
QPSK	2502.5	20775	5	12	7	19.77	20.0
QPSK	2502.5	20775	5	12	13	19.74	20.0
QPSK	2502.5	20775	5	25	0	19.78	20.0
QPSK	2535	21100	5	1	0	21.03	21.5
QPSK	2535	21100	5	1	12	21.08	21.5
QPSK	2535	21100	5	1	24	21.10	21.5
QPSK	2535	21100	5	12	0	20.03	20.5
QPSK	2535	21100	5	12	7	20.15	20.5
QPSK	2535	21100	5	12	13	20.08	20.5
QPSK	2535	21100	5	25	0	20.00	20.0
QPSK	2567.5	21425	5	1	0	21.49	21.5
QPSK	2567.5	21425	5	1	12	21.64	22.0
QPSK	2567.5	21425	5	1	24	21.66	22.0
QPSK	2567.5	21425	5	12	0	20.53	21.0
QPSK	2567.5	21425	5	12	7	20.63	21.0
QPSK	2567.5	21425	5	12	13	20.62	21.0
QPSK	2567.5	21425	5	25	0	20.61	21.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2502.5	20775	5	1	0	19.73	20.0
16QAM	2502.5	20775	5	1	12	19.85	20.0
16QAM	2502.5	20775	5	1	24	19.87	20.0
16QAM	2502.5	20775	5	12	0	18.69	19.0
16QAM	2502.5	20775	5	12	7	18.80	19.0
16QAM	2502.5	20775	5	12	13	18.79	19.0
16QAM	2502.5	20775	5	25	0	18.73	19.0
16QAM	2535	21100	5	1	0	20.37	20.5
16QAM	2535	21100	5	1	12	20.37	20.5
16QAM	2535	21100	5	1	24	20.48	20.5
16QAM	2535	21100	5	12	0	19.04	19.5
16QAM	2535	21100	5	12	7	19.09	19.5
16QAM	2535	21100	5	12	13	19.03	19.5
16QAM	2535	21100	5	25	0	19.04	19.5
16QAM	2567.5	21425	5	1	0	20.65	21.0
16QAM	2567.5	21425	5	1	12	20.85	21.0
16QAM	2567.5	21425	5	1	24	20.95	21.0
16QAM	2567.5	21425	5	12	0	19.51	20.0
16QAM	2567.5	21425	5	12	7	19.54	20.0
16QAM	2567.5	21425	5	12	13	19.58	20.0
16QAM	2567.5	21425	5	25	0	19.57	20.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2505	20800	10	1	0	20.64	21.0
QPSK	2505	20800	10	1	25	20.63	21.0
QPSK	2505	20800	10	1	49	20.73	21.0
QPSK	2505	20800	10	25	0	19.72	20.0
QPSK	2505	20800	10	25	12	19.76	20.0
QPSK	2505	20800	10	25	25	19.75	20.0
QPSK	2505	20800	10	50	0	19.67	20.0
QPSK	2535	21100	10	1	0	20.99	21.0
QPSK	2535	21100	10	1	25	21.00	21.0
QPSK	2535	21100	10	1	49	21.04	21.5
QPSK	2535	21100	10	25	0	20.06	20.5
QPSK	2535	21100	10	25	12	20.07	20.5
QPSK	2535	21100	10	25	25	20.06	20.5
QPSK	2535	21100	10	50	0	20.08	20.5
QPSK	2565	21400	10	1	0	21.36	21.5
QPSK	2565	21400	10	1	25	21.44	21.5
QPSK	2565	21400	10	1	49	21.47	21.5
QPSK	2565	21400	10	25	0	20.48	20.5
QPSK	2565	21400	10	25	12	20.54	21.0
QPSK	2565	21400	10	25	25	20.57	21.0
QPSK	2565	21400	10	50	0	20.55	21.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2505	20800	10	1	0	20.23	20.5
16QAM	2505	20800	10	1	25	20.22	20.5
16QAM	2505	20800	10	1	49	20.33	20.5
16QAM	2505	20800	10	25	0	18.73	19.0
16QAM	2505	20800	10	25	12	18.73	19.0
16QAM	2505	20800	10	25	25	18.75	19.0
16QAM	2505	20800	10	50	0	18.69	19.0
16QAM	2535	21100	10	1	0	20.18	20.5
16QAM	2535	21100	10	1	25	20.17	20.5
16QAM	2535	21100	10	1	49	20.23	20.5
16QAM	2535	21100	10	25	0	19.07	19.5
16QAM	2535	21100	10	25	12	19.16	19.5
16QAM	2535	21100	10	25	25	19.11	19.5
16QAM	2535	21100	10	50	0	19.02	19.5
16QAM	2565	21400	10	1	0	20.67	21.0
16QAM	2565	21400	10	1	25	20.67	21.0
16QAM	2565	21400	10	1	49	20.79	21.0
16QAM	2565	21400	10	25	0	19.48	19.5
16QAM	2565	21400	10	25	12	19.57	20.0
16QAM	2565	21400	10	25	25	19.65	20.0
16QAM	2565	21400	10	50	0	19.56	20.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2507.5	20825	15	1	0	20.61	21.0
QPSK	2507.5	20825	15	1	37	20.67	21.0
QPSK	2507.5	20825	15	1	74	20.83	21.0
QPSK	2507.5	20825	15	36	0	19.74	20.0
QPSK	2507.5	20825	15	36	29	19.78	20.0
QPSK	2507.5	20825	15	36	30	19.75	20.0
QPSK	2507.5	20825	15	75	0	19.71	20.0
QPSK	2535	21100	15	1	0	20.93	21.0
QPSK	2535	21100	15	1	37	20.95	21.0
QPSK	2535	21100	15	1	74	21.09	21.5
QPSK	2535	21100	15	36	0	20.06	20.5
QPSK	2535	21100	15	36	29	20.06	20.5
QPSK	2535	21100	15	36	30	20.05	20.5
QPSK	2535	21100	15	75	0	20.04	20.5
QPSK	2562.5	21375	15	1	0	21.33	21.5
QPSK	2562.5	21375	15	1	37	21.39	21.5
QPSK	2562.5	21375	15	1	74	21.50	21.5
QPSK	2562.5	21375	15	36	0	20.37	20.5
QPSK	2562.5	21375	15	36	29	20.53	21.0
QPSK	2562.5	21375	15	36	30	20.52	21.0
QPSK	2562.5	21375	15	75	0	20.48	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2507.5	20825	15	1	0	20.29	20.5
16QAM	2507.5	20825	15	1	37	20.35	20.5
16QAM	2507.5	20825	15	1	74	20.43	20.5
16QAM	2507.5	20825	15	36	0	18.76	19.0
16QAM	2507.5	20825	15	36	29	18.86	19.0
16QAM	2507.5	20825	15	36	30	18.77	19.0
16QAM	2507.5	20825	15	75	0	18.80	19.0
16QAM	2535	21100	15	1	0	20.18	20.5
16QAM	2535	21100	15	1	37	20.13	20.5
16QAM	2535	21100	15	1	74	20.36	20.5
16QAM	2535	21100	15	36	0	19.02	19.5
16QAM	2535	21100	15	36	29	19.16	19.5
16QAM	2535	21100	15	36	30	19.13	19.5
16QAM	2535	21100	15	75	0	19.04	19.5
16QAM	2562.5	21375	15	1	0	20.73	21.0
16QAM	2562.5	21375	15	1	37	20.83	21.0
16QAM	2562.5	21375	15	1	74	20.81	21.0
16QAM	2562.5	21375	15	36	0	19.44	19.5
16QAM	2562.5	21375	15	36	29	19.53	20.0
16QAM	2562.5	21375	15	36	30	19.53	20.0
16QAM	2562.5	21375	15	75	0	19.42	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2510	20850	20	1	0	20.58	21.0
QPSK	2510	20850	20	1	49	20.70	21.0
QPSK	2510	20850	20	1	99	20.97	21.0
QPSK	2510	20850	20	50	0	19.66	20.0
QPSK	2510	20850	20	50	24	19.73	20.0
QPSK	2510	20850	20	50	50	19.88	20.0
QPSK	2510	20850	20	100	0	19.78	20.0
QPSK	2535	21100	20	1	0	21.08	21.5
QPSK	2535	21100	20	1	49	20.98	21.0
QPSK	2535	21100	20	1	99	21.13	21.5
QPSK	2535	21100	20	50	0	20.06	20.5
QPSK	2535	21100	20	50	24	20.10	20.5
QPSK	2535	21100	20	50	50	20.06	20.5
QPSK	2535	21100	20	100	0	20.07	20.5
QPSK	2560	21350	20	1	0	21.25	21.5
QPSK	2560	21350	20	1	49	21.32	21.5
QPSK	2560	21350	20	1	99	21.65	22.0
QPSK	2560	21350	20	50	0	20.36	20.5
QPSK	2560	21350	20	50	24	20.46	20.5
QPSK	2560	21350	20	50	50	20.51	21.0
QPSK	2560	21350	20	100	0	20.46	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2510	20850	20	1	0	20.04	20.5
16QAM	2510	20850	20	1	49	20.10	20.5
16QAM	2510	20850	20	1	99	20.31	20.5
16QAM	2510	20850	20	50	0	18.70	19.0
16QAM	2510	20850	20	50	24	18.80	19.0
16QAM	2510	20850	20	50	50	18.89	19.0
16QAM	2510	20850	20	100	0	18.79	19.0
16QAM	2535	21100	20	1	0	20.35	20.5
16QAM	2535	21100	20	1	49	20.23	20.5
16QAM	2535	21100	20	1	99	20.32	20.5
16QAM	2535	21100	20	50	0	19.06	19.5
16QAM	2535	21100	20	50	24	19.05	19.5
16QAM	2535	21100	20	50	50	19.03	19.5
16QAM	2535	21100	20	100	0	19.06	19.5
16QAM	2560	21350	20	1	0	20.65	21.0
16QAM	2560	21350	20	1	49	20.71	21.0
16QAM	2560	21350	20	1	99	20.97	21.0
16QAM	2560	21350	20	50	0	19.38	19.5
16QAM	2560	21350	20	50	24	19.42	19.5
16QAM	2560	21350	20	50	50	19.52	20.0
16QAM	2560	21350	20	100	0	19.53	20.0

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Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	779.5	23205	5	1	0	20.06	20.5
QPSK	779.5	23205	5	1	12	20.07	20.5
QPSK	779.5	23205	5	1	24	20.13	20.5
QPSK	779.5	23205	5	12	0	19.12	19.5
QPSK	779.5	23205	5	12	7	19.17	19.5
QPSK	779.5	23205	5	12	13	19.13	19.5
QPSK	779.5	23205	5	25	0	19.14	19.5
QPSK	782	23230	5	1	0	20.11	20.5
QPSK	782	23230	5	1	12	20.17	20.5
QPSK	782	23230	5	1	24	20.13	20.5
QPSK	782	23230	5	12	0	19.21	19.5
QPSK	782	23230	5	12	7	19.19	19.5
QPSK	782	23230	5	12	13	19.15	19.5
QPSK	782	23230	5	25	0	19.17	19.5
QPSK	784.5	23255	5	1	0	20.14	20.5
QPSK	784.5	23255	5	1	12	20.16	20.5
QPSK	784.5	23255	5	1	24	20.20	20.5
QPSK	784.5	23255	5	12	0	19.21	19.5
QPSK	784.5	23255	5	12	7	19.20	19.5
QPSK	784.5	23255	5	12	13	19.17	19.5
QPSK	784.5	23255	5	25	0	19.24	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	779.5	23205	5	1	0	19.32	19.5
16QAM	779.5	23205	5	1	12	19.38	19.5
16QAM	779.5	23205	5	1	24	19.37	19.5
16QAM	779.5	23205	5	12	0	18.17	18.5
16QAM	779.5	23205	5	12	7	18.18	18.5
16QAM	779.5	23205	5	12	13	18.11	18.5
16QAM	779.5	23205	5	25	0	18.17	18.5
16QAM	782	23230	5	1	0	19.20	19.5
16QAM	782	23230	5	1	12	19.27	19.5
16QAM	782	23230	5	1	24	19.31	19.5
16QAM	782	23230	5	12	0	18.18	18.5
16QAM	782	23230	5	12	7	18.19	18.5
16QAM	782	23230	5	12	13	18.17	18.5
16QAM	782	23230	5	25	0	18.13	18.5
16QAM	784.5	23255	5	1	0	19.52	20.0
16QAM	784.5	23255	5	1	12	19.55	20.0
16QAM	784.5	23255	5	1	24	19.60	20.0
16QAM	784.5	23255	5	12	0	18.11	18.5
16QAM	784.5	23255	5	12	7	18.20	18.5
16QAM	784.5	23255	5	12	13	18.22	18.5
16QAM	784.5	23255	5	25	0	18.13	18.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	782	23230	10	1	0	20.19	20.5
QPSK	782	23230	10	1	25	20.11	20.5
QPSK	782	23230	10	1	49	20.23	20.5
QPSK	782	23230	10	25	0	19.23	19.5
QPSK	782	23230	10	25	12	19.15	19.5
QPSK	782	23230	10	25	25	19.16	19.5
QPSK	782	23230	10	50	0	19.23	19.5
QPSK	782	23230	10	1	0	20.08	20.5
QPSK	782	23230	10	1	25	20.15	20.5
QPSK	782	23230	10	1	49	20.23	20.5
QPSK	782	23230	10	25	0	19.13	19.5
QPSK	782	23230	10	25	12	19.15	19.5
QPSK	782	23230	10	25	25	19.15	19.5
QPSK	782	23230	10	50	0	19.23	19.5
QPSK	782	23230	10	1	0	20.05	20.5
QPSK	782	23230	10	1	25	20.16	20.5
QPSK	782	23230	10	1	49	20.27	20.5
QPSK	782	23230	10	25	0	19.17	19.5
QPSK	782	23230	10	25	12	19.19	19.5
QPSK	782	23230	10	25	25	19.19	19.5
QPSK	782	23230	10	50	0	19.16	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	782	23230	10	1	0	19.61	20.0
16QAM	782	23230	10	1	25	19.71	20.0
16QAM	782	23230	10	1	49	19.78	20.0
16QAM	782	23230	10	25	0	18.20	18.5
16QAM	782	23230	10	25	12	18.21	18.5
16QAM	782	23230	10	25	25	18.18	18.5
16QAM	782	23230	10	50	0	18.17	18.5
16QAM	782	23230	10	1	0	19.63	20.0
16QAM	782	23230	10	1	25	19.71	20.0
16QAM	782	23230	10	1	49	19.74	20.0
16QAM	782	23230	10	25	0	18.20	18.5
16QAM	782	23230	10	25	12	18.21	18.5
16QAM	782	23230	10	25	25	18.22	18.5
16QAM	782	23230	10	50	0	18.25	18.5
16QAM	782	23230	10	1	0	19.78	20.0
16QAM	782	23230	10	1	25	19.73	20.0
16QAM	782	23230	10	1	49	19.83	20.0
16QAM	782	23230	10	25	0	18.22	18.5
16QAM	782	23230	10	25	12	18.16	18.5
16QAM	782	23230	10	25	25	18.10	18.5
16QAM	782	23230	10	50	0	18.24	18.5

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Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2572.5	37775	5	1	0	21.29	21.5
QPSK	2572.5	37775	5	1	12	21.26	21.5
QPSK	2572.5	37775	5	1	24	21.37	21.5
QPSK	2572.5	37775	5	12	0	20.24	20.5
QPSK	2572.5	37775	5	12	7	20.31	20.5
QPSK	2572.5	37775	5	12	13	20.36	20.5
QPSK	2572.5	37775	5	25	0	20.34	20.5
QPSK	2595	38000	5	1	0	21.14	21.5
QPSK	2595	38000	5	1	12	21.13	21.5
QPSK	2595	38000	5	1	24	21.21	21.5
QPSK	2595	38000	5	12	0	20.07	20.5
QPSK	2595	38000	5	12	7	20.12	20.5
QPSK	2595	38000	5	12	13	20.12	20.5
QPSK	2595	38000	5	25	0	20.09	20.5
QPSK	2617.5	38225	5	1	0	21.12	21.5
QPSK	2617.5	38225	5	1	12	21.30	21.5
QPSK	2617.5	38225	5	1	24	21.26	21.5
QPSK	2617.5	38225	5	12	0	20.31	20.5
QPSK	2617.5	38225	5	12	7	20.36	20.5
QPSK	2617.5	38225	5	12	13	20.31	20.5
QPSK	2617.5	38225	5	25	0	20.33	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2572.5	37775	5	1	0	20.70	21.0
16QAM	2572.5	37775	5	1	12	20.69	21.0
16QAM	2572.5	37775	5	1	24	20.75	21.0
16QAM	2572.5	37775	5	12	0	19.35	19.5
16QAM	2572.5	37775	5	12	7	19.34	19.5
16QAM	2572.5	37775	5	12	13	19.42	19.5
16QAM	2572.5	37775	5	25	0	19.22	19.5
16QAM	2595	38000	5	1	0	20.52	21.0
16QAM	2595	38000	5	1	12	20.38	20.5
16QAM	2595	38000	5	1	24	20.53	21.0
16QAM	2595	38000	5	12	0	19.11	19.5
16QAM	2595	38000	5	12	7	19.18	19.5
16QAM	2595	38000	5	12	13	19.17	19.5
16QAM	2595	38000	5	25	0	19.18	19.5
16QAM	2617.5	38225	5	1	0	20.41	20.5
16QAM	2617.5	38225	5	1	12	20.49	20.5
16QAM	2617.5	38225	5	1	24	20.54	21.0
16QAM	2617.5	38225	5	12	0	19.22	19.5
16QAM	2617.5	38225	5	12	7	19.31	19.5
16QAM	2617.5	38225	5	12	13	19.36	19.5
16QAM	2617.5	38225	5	25	0	19.37	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2575	37800	10	1	0	21.29	21.5
QPSK	2575	37800	10	1	25	21.28	21.5
QPSK	2575	37800	10	1	49	21.30	21.5
QPSK	2575	37800	10	25	0	20.21	20.5
QPSK	2575	37800	10	25	12	20.19	20.5
QPSK	2575	37800	10	25	25	20.17	20.5
QPSK	2575	37800	10	50	0	20.23	20.5
QPSK	2595	38000	10	1	0	21.08	21.5
QPSK	2595	38000	10	1	25	21.17	21.5
QPSK	2595	38000	10	1	49	21.13	21.5
QPSK	2595	38000	10	25	0	20.06	20.5
QPSK	2595	38000	10	25	12	20.18	20.5
QPSK	2595	38000	10	25	25	20.14	20.5
QPSK	2595	38000	10	50	0	20.12	20.5
QPSK	2615	38200	10	1	0	21.21	21.5
QPSK	2615	38200	10	1	25	21.27	21.5
QPSK	2615	38200	10	1	49	21.46	21.5
QPSK	2615	38200	10	25	0	20.26	20.5
QPSK	2615	38200	10	25	12	20.34	20.5
QPSK	2615	38200	10	25	25	20.36	20.5
QPSK	2615	38200	10	50	0	20.29	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2575	37800	10	1	0	20.59	21.0
16QAM	2575	37800	10	1	25	20.60	21.0
16QAM	2575	37800	10	1	49	20.46	20.5
16QAM	2575	37800	10	25	0	19.27	19.5
16QAM	2575	37800	10	25	12	19.27	19.5
16QAM	2575	37800	10	25	25	19.24	19.5
16QAM	2575	37800	10	50	0	19.26	19.5
16QAM	2595	38000	10	1	0	20.45	20.5
16QAM	2595	38000	10	1	25	20.22	20.5
16QAM	2595	38000	10	1	49	20.52	21.0
16QAM	2595	38000	10	25	0	19.06	19.5
16QAM	2595	38000	10	25	12	19.13	19.5
16QAM	2595	38000	10	25	25	19.15	19.5
16QAM	2595	38000	10	50	0	19.13	19.5
16QAM	2615	38200	10	1	0	20.28	20.5
16QAM	2615	38200	10	1	25	20.38	20.5
16QAM	2615	38200	10	1	49	20.42	20.5
16QAM	2615	38200	10	25	0	19.23	19.5
16QAM	2615	38200	10	25	12	19.32	19.5
16QAM	2615	38200	10	25	25	19.28	19.5
16QAM	2615	38200	10	50	0	19.25	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2577.5	37825	15	1	0	21.28	21.5
QPSK	2577.5	37825	15	1	37	21.39	21.5
QPSK	2577.5	37825	15	1	74	21.30	21.5
QPSK	2577.5	37825	15	36	0	20.26	20.5
QPSK	2577.5	37825	15	36	29	20.32	20.5
QPSK	2577.5	37825	15	36	30	20.31	20.5
QPSK	2577.5	37825	15	75	0	20.26	20.5
QPSK	2595	38000	15	1	0	21.24	21.5
QPSK	2595	38000	15	1	37	21.09	21.5
QPSK	2595	38000	15	1	74	21.19	21.5
QPSK	2595	38000	15	36	0	20.18	20.5
QPSK	2595	38000	15	36	29	20.24	20.5
QPSK	2595	38000	15	36	30	20.26	20.5
QPSK	2595	38000	15	75	0	20.19	20.5
QPSK	2612.5	38175	15	1	0	21.29	21.5
QPSK	2612.5	38175	15	1	37	21.21	21.5
QPSK	2612.5	38175	15	1	74	21.45	21.5
QPSK	2612.5	38175	15	36	0	20.32	20.5
QPSK	2612.5	38175	15	36	29	20.33	20.5
QPSK	2612.5	38175	15	36	30	20.36	20.5
QPSK	2612.5	38175	15	75	0	20.49	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2577.5	37825	15	1	0	20.63	21.0
16QAM	2577.5	37825	15	1	37	20.44	20.5
16QAM	2577.5	37825	15	1	74	20.50	20.5
16QAM	2577.5	37825	15	36	0	19.23	19.5
16QAM	2577.5	37825	15	36	29	19.39	19.5
16QAM	2577.5	37825	15	36	30	19.31	19.5
16QAM	2577.5	37825	15	75	0	19.25	19.5
16QAM	2595	38000	15	1	0	20.65	21.0
16QAM	2595	38000	15	1	37	20.49	20.5
16QAM	2595	38000	15	1	74	20.60	21.0
16QAM	2595	38000	15	36	0	19.14	19.5
16QAM	2595	38000	15	36	29	19.24	19.5
16QAM	2595	38000	15	36	30	19.22	19.5
16QAM	2595	38000	15	75	0	19.21	19.5
16QAM	2612.5	38175	15	1	0	20.60	21.0
16QAM	2612.5	38175	15	1	37	20.46	20.5
16QAM	2612.5	38175	15	1	74	20.58	21.0
16QAM	2612.5	38175	15	36	0	19.36	19.5
16QAM	2612.5	38175	15	36	29	19.29	19.5
16QAM	2612.5	38175	15	36	30	19.36	19.5
16QAM	2612.5	38175	15	75	0	19.46	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2580	37850	20	1	0	21.36	21.5
QPSK	2580	37850	20	1	49	21.26	21.5
QPSK	2580	37850	20	1	99	21.26	21.5
QPSK	2580	37850	20	50	0	20.38	20.5
QPSK	2580	37850	20	50	24	20.40	20.5
QPSK	2580	37850	20	50	50	20.27	20.5
QPSK	2580	37850	20	100	0	20.36	20.5
QPSK	2595	38000	20	1	0	21.33	21.5
QPSK	2595	38000	20	1	49	21.19	21.5
QPSK	2595	38000	20	1	99	21.32	21.5
QPSK	2595	38000	20	50	0	20.14	20.5
QPSK	2595	38000	20	50	24	20.27	20.5
QPSK	2595	38000	20	50	50	20.26	20.5
QPSK	2595	38000	20	100	0	20.22	20.5
QPSK	2610	38150	20	1	0	21.32	21.5
QPSK	2610	38150	20	1	49	21.25	21.5
QPSK	2610	38150	20	1	99	21.46	21.5
QPSK	2610	38150	20	50	0	20.42	20.5
QPSK	2610	38150	20	50	24	20.42	20.5
QPSK	2610	38150	20	50	50	20.45	20.5
QPSK	2610	38150	20	100	0	20.45	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2580	37850	20	1	0	20.19	20.5
16QAM	2580	37850	20	1	49	20.46	20.5
16QAM	2580	37850	20	1	99	20.40	20.5
16QAM	2580	37850	20	50	0	19.31	19.5
16QAM	2580	37850	20	50	24	19.32	19.5
16QAM	2580	37850	20	50	50	19.22	19.5
16QAM	2580	37850	20	100	0	19.37	19.5
16QAM	2595	38000	20	1	0	20.64	21.0
16QAM	2595	38000	20	1	49	20.53	21.0
16QAM	2595	38000	20	1	99	20.69	21.0
16QAM	2595	38000	20	50	0	19.19	19.5
16QAM	2595	38000	20	50	24	19.19	19.5
16QAM	2595	38000	20	50	50	19.28	19.5
16QAM	2595	38000	20	100	0	19.13	19.5
16QAM	2610	38150	20	1	0	20.32	20.5
16QAM	2610	38150	20	1	49	20.14	20.5
16QAM	2610	38150	20	1	99	20.28	20.5
16QAM	2610	38150	20	50	0	19.45	19.5
16QAM	2610	38150	20	50	24	19.50	19.5
16QAM	2610	38150	20	50	50	19.49	19.5
16QAM	2610	38150	20	100	0	19.43	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	728	27460	20	1	0	21.18	21.5
QPSK	728	27460	20	1	49	21.27	21.5
QPSK	728	27460	20	1	99	21.42	21.5
QPSK	728	27460	20	50	0	20.32	20.5
QPSK	728	27460	20	50	24	20.32	20.5
QPSK	728	27460	20	50	50	20.37	20.5
QPSK	728	27460	20	100	0	20.32	20.5
QPSK	738	27560	20	1	0	21.32	21.5
QPSK	738	27560	20	1	49	21.47	21.5
QPSK	738	27560	20	1	99	21.41	21.5
QPSK	738	27560	20	50	0	20.46	20.5
QPSK	738	27560	20	50	24	20.54	21.0
QPSK	738	27560	20	50	50	20.50	20.5
QPSK	738	27560	20	100	0	20.47	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	713	27310	20	1	0	19.91	20.0
16QAM	713	27310	20	1	49	20.14	20.5
16QAM	713	27310	20	1	99	20.39	20.5
16QAM	713	27310	20	50	0	19.08	19.5
16QAM	713	27310	20	50	24	19.06	19.5
16QAM	713	27310	20	50	50	19.00	19.0
16QAM	713	27310	20	100	0	19.04	19.5
16QAM	728	27460	20	1	0	20.56	21.0
16QAM	728	27460	20	1	49	20.56	21.0
16QAM	728	27460	20	1	99	20.78	21.0
16QAM	728	27460	20	50	0	19.24	19.5
16QAM	728	27460	20	50	24	19.33	19.5
16QAM	728	27460	20	50	50	19.38	19.5
16QAM	728	27460	20	100	0	19.31	19.5
16QAM	738	27560	20	1	0	20.81	21.0
16QAM	738	27560	20	1	49	20.72	21.0
16QAM	738	27560	20	1	99	20.99	21.0
16QAM	738	27560	20	50	0	19.38	19.5
16QAM	738	27560	20	50	24	19.53	20.0
16QAM	738	27560	20	50	50	19.50	19.5
16QAM	738	27560	20	100	0	19.45	19.5

LTE BAND 40 (2305-2315)

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2307.5	38725	5	1	0	21.58	22.0
QPSK	2307.5	38725	5	1	12	21.61	22.0
QPSK	2307.5	38725	5	1	24	21.62	22.0
QPSK	2307.5	38725	5	12	0	20.79	21.0
QPSK	2307.5	38725	5	12	7	20.79	21.0
QPSK	2307.5	38725	5	12	13	20.83	21.0
QPSK	2307.5	38725	5	25	0	20.75	21.0
QPSK	2310	38750	5	1	0	22.00	22.0
QPSK	2310	38750	5	1	12	21.95	22.0
QPSK	2310	38750	5	1	24	21.95	22.0
QPSK	2310	38750	5	12	0	20.80	21.0
QPSK	2310	38750	5	12	7	20.85	21.0
QPSK	2310	38750	5	12	13	20.78	21.0
QPSK	2310	38750	5	25	0	20.84	21.0
QPSK	2312.5	38775	5	1	0	21.63	22.0
QPSK	2312.5	38775	5	1	12	21.67	22.0
QPSK	2312.5	38775	5	1	24	21.69	22.0
QPSK	2312.5	38775	5	12	0	20.82	21.0
QPSK	2312.5	38775	5	12	7	20.87	21.0
QPSK	2312.5	38775	5	12	13	20.88	21.0
QPSK	2312.5	38775	5	25	0	20.87	21.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2307.5	38725	5	1	0	21.06	21.5
16QAM	2307.5	38725	5	1	12	21.02	21.5
16QAM	2307.5	38725	5	1	24	21.16	21.5
16QAM	2307.5	38725	5	12	0	19.82	20.0
16QAM	2307.5	38725	5	12	7	19.78	20.0
16QAM	2307.5	38725	5	12	13	19.91	20.0
16QAM	2307.5	38725	5	25	0	19.79	20.0
16QAM	2310	38750	5	1	0	21.25	21.5
16QAM	2310	38750	5	1	12	21.25	21.5
16QAM	2310	38750	5	1	24	21.23	21.5
16QAM	2310	38750	5	12	0	19.87	20.0
16QAM	2310	38750	5	12	7	19.89	20.0
16QAM	2310	38750	5	12	13	19.88	20.0
16QAM	2310	38750	5	25	0	19.93	20.0
16QAM	2312.5	38775	5	1	0	20.91	21.0
16QAM	2312.5	38775	5	1	12	21.03	21.5
16QAM	2312.5	38775	5	1	24	20.96	21.0
16QAM	2312.5	38775	5	12	0	19.78	20.0
16QAM	2312.5	38775	5	12	7	19.86	20.0
16QAM	2312.5	38775	5	12	13	19.84	20.0
16QAM	2312.5	38775	5	25	0	19.88	20.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2310	38750	10	1	0	21.70	22.0
QPSK	2310	38750	10	1	25	21.93	22.0
QPSK	2310	38750	10	1	49	22.02	22.5
QPSK	2310	38750	10	25	0	20.84	21.0
QPSK	2310	38750	10	25	12	20.87	21.0
QPSK	2310	38750	10	25	25	20.90	21.0
QPSK	2310	38750	10	50	0	20.84	21.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2310	38750	10	1	0	21.18	21.5
16QAM	2310	38750	10	1	25	21.26	21.5
16QAM	2310	38750	10	1	49	21.14	21.5
16QAM	2310	38750	10	25	0	19.86	20.0
16QAM	2310	38750	10	25	12	19.90	20.0
16QAM	2310	38750	10	25	25	19.94	20.0
16QAM	2310	38750	10	50	0	19.90	20.0

LTE BAND 40 (2350-2360)

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2352.5	39175	5	1	0	21.20	21.5
QPSK	2352.5	39175	5	1	12	21.22	21.5
QPSK	2352.5	39175	5	1	24	21.16	21.5
QPSK	2352.5	39175	5	12	0	20.30	20.5
QPSK	2352.5	39175	5	12	7	20.35	20.5
QPSK	2352.5	39175	5	12	13	20.30	20.5
QPSK	2352.5	39175	5	25	0	20.29	20.5
QPSK	2355	39200	5	1	0	21.39	21.5
QPSK	2355	39200	5	1	12	21.37	21.5
QPSK	2355	39200	5	1	24	21.29	21.5
QPSK	2355	39200	5	12	0	20.29	20.5
QPSK	2355	39200	5	12	7	20.31	20.5
QPSK	2355	39200	5	12	13	20.26	20.5
QPSK	2355	39200	5	25	0	20.27	20.5
QPSK	2357.5	39225	5	1	0	21.21	21.5
QPSK	2357.5	39225	5	1	12	21.16	21.5
QPSK	2357.5	39225	5	1	24	21.18	21.5
QPSK	2357.5	39225	5	12	0	20.22	20.5
QPSK	2357.5	39225	5	12	7	20.28	20.5
QPSK	2357.5	39225	5	12	13	20.25	20.5
QPSK	2357.5	39225	5	25	0	20.16	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2352.5	39175	5	1	0	20.71	21.0
16QAM	2352.5	39175	5	1	12	20.69	21.0
16QAM	2352.5	39175	5	1	24	20.66	21.0
16QAM	2352.5	39175	5	12	0	19.38	19.5
16QAM	2352.5	39175	5	12	7	19.38	19.5
16QAM	2352.5	39175	5	12	13	19.34	19.5
16QAM	2352.5	39175	5	25	0	19.26	19.5
16QAM	2355	39200	5	1	0	20.71	21.0
16QAM	2355	39200	5	1	12	20.57	21.0
16QAM	2355	39200	5	1	24	20.56	21.0
16QAM	2355	39200	5	12	0	19.32	19.5
16QAM	2355	39200	5	12	7	19.35	19.5
16QAM	2355	39200	5	12	13	19.37	19.5
16QAM	2355	39200	5	25	0	19.36	19.5
16QAM	2357.5	39225	5	1	0	20.36	20.5
16QAM	2357.5	39225	5	1	12	20.28	20.5
16QAM	2357.5	39225	5	1	24	20.47	20.5
16QAM	2357.5	39225	5	12	0	19.21	19.5
16QAM	2357.5	39225	5	12	7	19.25	19.5
16QAM	2357.5	39225	5	12	13	19.25	19.5
16QAM	2357.5	39225	5	25	0	19.27	19.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2355	39200	10	1	0	21.25	21.5
QPSK	2355	39200	10	1	25	21.26	21.5
QPSK	2355	39200	10	1	49	21.20	21.5
QPSK	2355	39200	10	25	0	20.26	20.5
QPSK	2355	39200	10	25	12	20.32	20.5
QPSK	2355	39200	10	25	25	20.29	20.5
QPSK	2355	39200	10	50	0	20.29	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2355	39200	10	1	0	20.52	21.0
16QAM	2355	39200	10	1	25	20.57	21.0
16QAM	2355	39200	10	1	49	20.47	20.5
16QAM	2355	39200	10	25	0	19.31	19.5
16QAM	2355	39200	10	25	12	19.30	19.5
16QAM	2355	39200	10	25	25	19.38	19.5
16QAM	2355	39200	10	50	0	19.33	19.5

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Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2498.5	39675	5	1	0	20.76	21.0
QPSK	2498.5	39675	5	1	12	20.74	21.0
QPSK	2498.5	39675	5	1	24	20.82	21.0
QPSK	2498.5	39675	5	12	0	19.92	20.0
QPSK	2498.5	39675	5	12	7	19.93	20.0
QPSK	2498.5	39675	5	12	13	19.94	20.0
QPSK	2498.5	39675	5	25	0	19.89	20.0
QPSK	2593	40620	5	1	0	21.80	22.0
QPSK	2593	40620	5	1	12	21.66	22.0
QPSK	2593	40620	5	1	24	21.70	22.0
QPSK	2593	40620	5	12	0	20.74	21.0
QPSK	2593	40620	5	12	7	20.71	21.0
QPSK	2593	40620	5	12	13	20.71	21.0
QPSK	2593	40620	5	25	0	20.67	21.0
QPSK	2687.5	41565	5	1	0	21.65	22.0
QPSK	2687.5	41565	5	1	12	21.71	22.0
QPSK	2687.5	41565	5	1	24	21.65	22.0
QPSK	2687.5	41565	5	12	0	20.83	21.0
QPSK	2687.5	41565	5	12	7	20.80	21.0
QPSK	2687.5	41565	5	12	13	20.82	21.0
QPSK	2687.5	41565	5	25	0	20.85	21.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2498.5	39675	5	1	0	20.44	20.5
16QAM	2498.5	39675	5	1	12	20.25	20.5
16QAM	2498.5	39675	5	1	24	20.26	20.5
16QAM	2498.5	39675	5	12	0	18.94	19.0
16QAM	2498.5	39675	5	12	7	18.94	19.0
16QAM	2498.5	39675	5	12	13	18.98	19.0
16QAM	2498.5	39675	5	25	0	18.93	19.0
16QAM	2593	40620	5	1	0	21.06	21.5
16QAM	2593	40620	5	1	12	21.04	21.5
16QAM	2593	40620	5	1	24	21.07	21.5
16QAM	2593	40620	5	12	0	19.76	20.0
16QAM	2593	40620	5	12	7	19.73	20.0
16QAM	2593	40620	5	12	13	19.70	20.0
16QAM	2593	40620	5	25	0	19.76	20.0
16QAM	2687.5	41565	5	1	0	20.99	21.0
16QAM	2687.5	41565	5	1	12	20.96	21.0
16QAM	2687.5	41565	5	1	24	21.04	21.5
16QAM	2687.5	41565	5	12	0	19.82	20.0
16QAM	2687.5	41565	5	12	7	19.83	20.0
16QAM	2687.5	41565	5	12	13	19.79	20.0
16QAM	2687.5	41565	5	25	0	19.87	20.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2501	39700	10	1	0	21.03	21.5
QPSK	2501	39700	10	1	25	20.84	21.0
QPSK	2501	39700	10	1	49	20.92	21.0
QPSK	2501	39700	10	25	0	19.93	20.0
QPSK	2501	39700	10	25	12	19.90	20.0
QPSK	2501	39700	10	25	25	19.95	20.0
QPSK	2501	39700	10	50	0	19.95	20.0
QPSK	2593	40620	10	1	0	21.59	22.0
QPSK	2593	40620	10	1	25	21.59	22.0
QPSK	2593	40620	10	1	49	21.63	22.0
QPSK	2593	40620	10	25	0	20.72	21.0
QPSK	2593	40620	10	25	12	20.70	21.0
QPSK	2593	40620	10	25	25	20.69	21.0
QPSK	2593	40620	10	50	0	20.66	21.0
QPSK	2685	41540	10	1	0	21.80	22.0
QPSK	2685	41540	10	1	25	21.69	22.0
QPSK	2685	41540	10	1	49	21.72	22.0
QPSK	2685	41540	10	25	0	20.81	21.0
QPSK	2685	41540	10	25	12	20.81	21.0
QPSK	2685	41540	10	25	25	20.80	21.0
QPSK	2685	41540	10	50	0	20.79	21.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2501	39700	10	1	0	20.28	20.5
16QAM	2501	39700	10	1	25	20.29	20.5
16QAM	2501	39700	10	1	49	20.28	20.5
16QAM	2501	39700	10	25	0	18.94	19.0
16QAM	2501	39700	10	25	12	18.98	19.0
16QAM	2501	39700	10	25	25	19.02	19.5
16QAM	2501	39700	10	50	0	19.05	19.5
16QAM	2593	40620	10	1	0	20.95	21.0
16QAM	2593	40620	10	1	25	20.93	21.0
16QAM	2593	40620	10	1	49	21.02	21.5
16QAM	2593	40620	10	25	0	19.71	20.0
16QAM	2593	40620	10	25	12	19.63	20.0
16QAM	2593	40620	10	25	25	19.69	20.0
16QAM	2593	40620	10	50	0	19.66	20.0
16QAM	2685	41540	10	1	0	20.92	21.0
16QAM	2685	41540	10	1	25	20.89	21.0
16QAM	2685	41540	10	1	49	20.88	21.0
16QAM	2685	41540	10	25	0	19.74	20.0
16QAM	2685	41540	10	25	12	19.81	20.0
16QAM	2685	41540	10	25	25	19.75	20.0
16QAM	2685	41540	10	50	0	19.77	20.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2503.5	39725	15	1	0	20.83	21.0
QPSK	2503.5	39725	15	1	37	21.04	21.5
QPSK	2503.5	39725	15	1	74	21.06	21.5
QPSK	2503.5	39725	15	36	0	19.91	20.0
QPSK	2503.5	39725	15	36	29	19.88	20.0
QPSK	2503.5	39725	15	36	30	19.87	20.0
QPSK	2503.5	39725	15	75	0	19.81	20.0
QPSK	2593	40620	15	1	0	21.68	22.0
QPSK	2593	40620	15	1	37	21.61	22.0
QPSK	2593	40620	15	1	74	21.66	22.0
QPSK	2593	40620	15	36	0	20.78	21.0
QPSK	2593	40620	15	36	29	20.72	21.0
QPSK	2593	40620	15	36	30	20.71	21.0
QPSK	2593	40620	15	75	0	20.66	21.0
QPSK	2682.5	41515	15	1	0	21.74	22.0
QPSK	2682.5	41515	15	1	37	21.65	22.0
QPSK	2682.5	41515	15	1	74	21.84	22.0
QPSK	2682.5	41515	15	36	0	20.77	21.0
QPSK	2682.5	41515	15	36	29	20.78	21.0
QPSK	2682.5	41515	15	36	30	20.84	21.0
QPSK	2682.5	41515	15	75	0	20.81	21.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2503.5	39725	15	1	0	20.22	20.5
16QAM	2503.5	39725	15	1	37	20.08	20.5
16QAM	2503.5	39725	15	1	74	20.31	20.5
16QAM	2503.5	39725	15	36	0	19.01	19.5
16QAM	2503.5	39725	15	36	29	18.91	19.0
16QAM	2503.5	39725	15	36	30	18.88	19.0
16QAM	2503.5	39725	15	75	0	18.89	19.0
16QAM	2593	40620	15	1	0	20.98	21.0
16QAM	2593	40620	15	1	37	20.89	21.0
16QAM	2593	40620	15	1	74	21.13	21.5
16QAM	2593	40620	15	36	0	19.71	20.0
16QAM	2593	40620	15	36	29	19.71	20.0
16QAM	2593	40620	15	36	30	19.74	20.0
16QAM	2593	40620	15	75	0	19.68	20.0
16QAM	2682.5	41515	15	1	0	21.03	21.5
16QAM	2682.5	41515	15	1	37	20.98	21.0
16QAM	2682.5	41515	15	1	74	20.96	21.0
16QAM	2682.5	41515	15	36	0	19.74	20.0
16QAM	2682.5	41515	15	36	29	19.82	20.0
16QAM	2682.5	41515	15	36	30	19.81	20.0
16QAM	2682.5	41515	15	75	0	19.79	20.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	2506	39750	20	1	0	20.86	21.0
QPSK	2506	39750	20	1	49	20.94	21.0
QPSK	2506	39750	20	1	99	20.95	21.0
QPSK	2506	39750	20	50	0	20.00	20.0
QPSK	2506	39750	20	50	24	19.92	20.0
QPSK	2506	39750	20	50	50	19.98	20.0
QPSK	2506	39750	20	100	0	19.96	20.0
QPSK	2593	40620	20	1	0	21.64	22.0
QPSK	2593	40620	20	1	49	21.73	22.0
QPSK	2593	40620	20	1	99	21.80	22.0
QPSK	2593	40620	20	50	0	20.78	21.0
QPSK	2593	40620	20	50	24	20.73	21.0
QPSK	2593	40620	20	50	50	20.72	21.0
QPSK	2593	40620	20	100	0	20.71	21.0
QPSK	2680	41490	20	1	0	21.86	22.0
QPSK	2680	41490	20	1	49	21.77	22.0
QPSK	2680	41490	20	1	99	21.77	22.0
QPSK	2680	41490	20	50	0	20.97	21.0
QPSK	2680	41490	20	50	24	20.86	21.0
QPSK	2680	41490	20	50	50	20.84	21.0
QPSK	2680	41490	20	100	0	20.98	21.0

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	2506	39750	20	1	0	20.05	20.5
16QAM	2506	39750	20	1	49	20.22	20.5
16QAM	2506	39750	20	1	99	20.35	20.5
16QAM	2506	39750	20	50	0	18.98	19.0
16QAM	2506	39750	20	50	24	18.92	19.0
16QAM	2506	39750	20	50	50	18.98	19.0
16QAM	2506	39750	20	100	0	18.91	19.0
16QAM	2593	40620	20	1	0	20.93	21.0
16QAM	2593	40620	20	1	49	20.99	21.0
16QAM	2593	40620	20	1	99	21.22	21.5
16QAM	2593	40620	20	50	0	19.78	20.0
16QAM	2593	40620	20	50	24	19.74	20.0
16QAM	2593	40620	20	50	50	19.77	20.0
16QAM	2593	40620	20	100	0	19.71	20.0
16QAM	2680	41490	20	1	0	20.76	21.0
16QAM	2680	41490	20	1	49	20.73	21.0
16QAM	2680	41490	20	1	99	20.67	21.0
16QAM	2680	41490	20	50	0	19.95	20.0
16QAM	2680	41490	20	50	24	19.85	20.0
16QAM	2680	41490	20	50	50	19.88	20.0
16QAM	2680	41490	20	100	0	19.98	20.0

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Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1755	132422	1.4	1	0	21.69	22.0
QPSK	1755	132422	1.4	1	3	21.55	22.0
QPSK	1755	132422	1.4	1	5	21.55	22.0
QPSK	1755	132422	1.4	3	0	21.53	22.0
QPSK	1755	132422	1.4	3	1	21.59	22.0
QPSK	1755	132422	1.4	3	3	21.56	22.0
QPSK	1755	132422	1.4	6	0	20.51	21.0
QPSK	1779.3	132665	1.4	1	0	22.11	22.5
QPSK	1779.3	132665	1.4	1	3	22.15	22.5
QPSK	1779.3	132665	1.4	1	5	22.08	22.5
QPSK	1779.3	132665	1.4	3	0	22.18	22.5
QPSK	1779.3	132665	1.4	3	1	22.15	22.5
QPSK	1779.3	132665	1.4	3	3	22.09	22.5
QPSK	1779.3	132665	1.4	6	0	21.10	21.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1755	132422	1.4	1	0	20.73	21.0
16QAM	1755	132422	1.4	1	3	20.62	21.0
16QAM	1755	132422	1.4	1	5	20.90	21.0
16QAM	1755	132422	1.4	3	0	20.39	20.5
16QAM	1755	132422	1.4	3	1	20.44	20.5
16QAM	1755	132422	1.4	3	3	20.44	20.5
16QAM	1755	132422	1.4	6	0	19.67	20.0
16QAM	1779.3	132665	1.4	1	0	21.27	21.5
16QAM	1779.3	132665	1.4	1	3	21.34	21.5
16QAM	1779.3	132665	1.4	1	5	21.32	21.5
16QAM	1779.3	132665	1.4	3	0	21.06	21.5
16QAM	1779.3	132665	1.4	3	1	21.13	21.5
16QAM	1779.3	132665	1.4	3	3	21.06	21.5
16QAM	1779.3	132665	1.4	6	0	20.19	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1711.5	131987	3	1	0	22.01	22.5
QPSK	1711.5	131987	3	1	8	22.02	22.5
QPSK	1711.5	131987	3	1	14	21.95	22.0
QPSK	1711.5	131987	3	8	0	21.05	21.5
QPSK	1711.5	131987	3	8	4	21.05	21.5
QPSK	1711.5	131987	3	8	7	21.03	21.5
QPSK	1711.5	131987	3	15	0	21.05	21.5
QPSK	1755	132422	3	1	0	21.44	21.5
QPSK	1755	132422	3	1	8	21.51	22.0
QPSK	1755	132422	3	1	14	21.56	22.0
QPSK	1755	132422	3	8	0	20.68	21.0
QPSK	1755	132422	3	8	4	20.73	21.0
QPSK	1755	132422	3	8	7	20.66	21.0
QPSK	1755	132422	3	15	0	20.66	21.0
QPSK	1778.5	132657	3	1	0	22.08	22.5
QPSK	1778.5	132657	3	1	8	22.06	22.5
QPSK	1778.5	132657	3	1	14	22.02	22.5
QPSK	1778.5	132657	3	8	0	21.11	21.5
QPSK	1778.5	132657	3	8	4	21.14	21.5
QPSK	1778.5	132657	3	8	7	21.09	21.5
QPSK	1778.5	132657	3	15	0	21.15	21.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1711.5	131987	3	1	0	21.33	21.5
16QAM	1711.5	131987	3	1	8	21.27	21.5
16QAM	1711.5	131987	3	1	14	21.28	21.5
16QAM	1711.5	131987	3	8	0	20.09	20.5
16QAM	1711.5	131987	3	8	4	20.07	20.5
16QAM	1711.5	131987	3	8	7	20.05	20.5
16QAM	1711.5	131987	3	15	0	20.08	20.5
16QAM	1755	132422	3	1	0	20.87	21.0
16QAM	1755	132422	3	1	8	20.92	21.0
16QAM	1755	132422	3	1	14	20.87	21.0
16QAM	1755	132422	3	8	0	19.68	20.0
16QAM	1755	132422	3	8	4	19.70	20.0
16QAM	1755	132422	3	8	7	19.71	20.0
16QAM	1755	132422	3	15	0	19.67	20.0
16QAM	1778.5	132657	3	1	0	21.38	21.5
16QAM	1778.5	132657	3	1	8	21.42	21.5
16QAM	1778.5	132657	3	1	14	21.38	21.5
16QAM	1778.5	132657	3	8	0	20.10	20.5
16QAM	1778.5	132657	3	8	4	20.12	20.5
16QAM	1778.5	132657	3	8	7	20.08	20.5
16QAM	1778.5	132657	3	15	0	20.16	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1712.5	131997	5	1	0	22.04	22.5
QPSK	1712.5	131997	5	1	12	21.88	22.0
QPSK	1712.5	131997	5	1	24	21.89	22.0
QPSK	1712.5	131997	5	12	0	21.08	21.5
QPSK	1712.5	131997	5	12	7	21.12	21.5
QPSK	1712.5	131997	5	12	13	21.05	21.5
QPSK	1712.5	131997	5	25	0	20.99	21.0
QPSK	1755	132422	5	1	0	21.42	21.5
QPSK	1755	132422	5	1	12	21.68	22.0
QPSK	1755	132422	5	1	24	21.64	22.0
QPSK	1755	132422	5	12	0	20.71	21.0
QPSK	1755	132422	5	12	7	20.70	21.0
QPSK	1755	132422	5	12	13	20.68	21.0
QPSK	1755	132422	5	25	0	20.69	21.0
QPSK	1777.5	132647	5	1	0	22.08	22.5
QPSK	1777.5	132647	5	1	12	22.17	22.5
QPSK	1777.5	132647	5	1	24	22.10	22.5
QPSK	1777.5	132647	5	12	0	21.09	21.5
QPSK	1777.5	132647	5	12	7	21.16	21.5
QPSK	1777.5	132647	5	12	13	21.08	21.5
QPSK	1777.5	132647	5	25	0	21.10	21.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1712.5	131997	5	1	0	21.33	21.5
16QAM	1712.5	131997	5	1	12	21.22	21.5
16QAM	1712.5	131997	5	1	24	21.11	21.5
16QAM	1712.5	131997	5	12	0	20.08	20.5
16QAM	1712.5	131997	5	12	7	20.05	20.5
16QAM	1712.5	131997	5	12	13	20.01	20.5
16QAM	1712.5	131997	5	25	0	20.02	20.5
16QAM	1755	132422	5	1	0	20.81	21.0
16QAM	1755	132422	5	1	12	20.96	21.0
16QAM	1755	132422	5	1	24	20.95	21.0
16QAM	1755	132422	5	12	0	19.61	20.0
16QAM	1755	132422	5	12	7	19.66	20.0
16QAM	1755	132422	5	12	13	19.60	20.0
16QAM	1755	132422	5	25	0	19.67	20.0
16QAM	1777.5	132647	5	1	0	21.30	21.5
16QAM	1777.5	132647	5	1	12	21.37	21.5
16QAM	1777.5	132647	5	1	24	21.44	21.5
16QAM	1777.5	132647	5	12	0	20.08	20.5
16QAM	1777.5	132647	5	12	7	20.09	20.5
16QAM	1777.5	132647	5	12	13	20.03	20.5
16QAM	1777.5	132647	5	25	0	20.07	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1715	132022	10	1	0	21.88	22.0
QPSK	1715	132022	10	1	25	21.91	22.0
QPSK	1715	132022	10	1	49	21.81	22.0
QPSK	1715	132022	10	25	0	21.03	21.5
QPSK	1715	132022	10	25	12	20.99	21.0
QPSK	1715	132022	10	25	25	20.92	21.0
QPSK	1715	132022	10	50	0	20.90	21.0
QPSK	1755	132422	10	1	0	21.49	21.5
QPSK	1755	132422	10	1	25	21.59	22.0
QPSK	1755	132422	10	1	49	21.63	22.0
QPSK	1755	132422	10	25	0	20.62	21.0
QPSK	1755	132422	10	25	12	20.68	21.0
QPSK	1755	132422	10	25	25	20.72	21.0
QPSK	1755	132422	10	50	0	20.65	21.0
QPSK	1775	132622	10	1	0	22.01	22.5
QPSK	1775	132622	10	1	25	22.05	22.5
QPSK	1775	132622	10	1	49	22.06	22.5
QPSK	1775	132622	10	25	0	21.09	21.5
QPSK	1775	132622	10	25	12	21.14	21.5
QPSK	1775	132622	10	25	25	21.09	21.5
QPSK	1775	132622	10	50	0	21.04	21.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1715	132022	10	1	0	21.28	21.5
16QAM	1715	132022	10	1	25	21.15	21.5
16QAM	1715	132022	10	1	49	21.01	21.5
16QAM	1715	132022	10	25	0	20.08	20.5
16QAM	1715	132022	10	25	12	19.98	20.0
16QAM	1715	132022	10	25	25	19.88	20.0
16QAM	1715	132022	10	50	0	20.01	20.5
16QAM	1755	132422	10	1	0	20.72	21.0
16QAM	1755	132422	10	1	25	20.94	21.0
16QAM	1755	132422	10	1	49	20.87	21.0
16QAM	1755	132422	10	25	0	19.62	20.0
16QAM	1755	132422	10	25	12	19.73	20.0
16QAM	1755	132422	10	25	25	19.75	20.0
16QAM	1755	132422	10	50	0	19.68	20.0
16QAM	1775	132622	10	1	0	21.30	21.5
16QAM	1775	132622	10	1	25	21.28	21.5
16QAM	1775	132622	10	1	49	21.32	21.5
16QAM	1775	132622	10	25	0	20.13	20.5
16QAM	1775	132622	10	25	12	20.13	20.5
16QAM	1775	132622	10	25	25	20.10	20.5
16QAM	1775	132622	10	50	0	20.13	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1717.5	132047	15	1	0	21.96	22.0
QPSK	1717.5	132047	15	1	37	22.00	22.0
QPSK	1717.5	132047	15	1	74	21.79	22.0
QPSK	1717.5	132047	15	36	0	20.99	21.0
QPSK	1717.5	132047	15	36	29	20.86	21.0
QPSK	1717.5	132047	15	36	30	20.82	21.0
QPSK	1717.5	132047	15	75	0	21.00	21.0
QPSK	1755	132422	15	1	0	21.38	21.5
QPSK	1755	132422	15	1	37	21.43	21.5
QPSK	1755	132422	15	1	74	21.87	22.0
QPSK	1755	132422	15	36	0	20.55	21.0
QPSK	1755	132422	15	36	29	20.72	21.0
QPSK	1755	132422	15	36	30	20.69	21.0
QPSK	1755	132422	15	75	0	20.64	21.0
QPSK	1772.5	132597	15	1	0	21.92	22.0
QPSK	1772.5	132597	15	1	37	21.92	22.0
QPSK	1772.5	132597	15	1	74	22.01	22.5
QPSK	1772.5	132597	15	36	0	21.01	21.5
QPSK	1772.5	132597	15	36	29	21.09	21.5
QPSK	1772.5	132597	15	36	30	21.04	21.5
QPSK	1772.5	132597	15	75	0	21.03	21.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1717.5	132047	15	1	0	21.49	21.5
16QAM	1717.5	132047	15	1	37	21.13	21.5
16QAM	1717.5	132047	15	1	74	21.04	21.5
16QAM	1717.5	132047	15	36	0	20.00	20.0
16QAM	1717.5	132047	15	36	29	19.92	20.0
16QAM	1717.5	132047	15	36	30	19.91	20.0
16QAM	1717.5	132047	15	75	0	19.92	20.0
16QAM	1755	132422	15	1	0	20.88	21.0
16QAM	1755	132422	15	1	37	20.96	21.0
16QAM	1755	132422	15	1	74	21.18	21.5
16QAM	1755	132422	15	36	0	19.54	20.0
16QAM	1755	132422	15	36	29	19.74	20.0
16QAM	1755	132422	15	36	30	19.72	20.0
16QAM	1755	132422	15	75	0	19.64	20.0
16QAM	1772.5	132597	15	1	0	21.31	21.5
16QAM	1772.5	132597	15	1	37	21.42	21.5
16QAM	1772.5	132597	15	1	74	21.45	21.5
16QAM	1772.5	132597	15	36	0	20.07	20.5
16QAM	1772.5	132597	15	36	29	20.09	20.5
16QAM	1772.5	132597	15	36	30	20.13	20.5
16QAM	1772.5	132597	15	75	0	20.01	20.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
QPSK	1720	132072	20	1	0	22.01	22.5
QPSK	1720	132072	20	1	49	21.74	22.0
QPSK	1720	132072	20	1	99	21.57	22.0
QPSK	1720	132072	20	50	0	20.96	21.0
QPSK	1720	132072	20	50	24	20.96	21.0
QPSK	1720	132072	20	50	50	20.70	21.0
QPSK	1720	132072	20	100	0	20.92	21.0
QPSK	1755	132422	20	1	0	21.42	21.5
QPSK	1755	132422	20	1	49	21.53	22.0
QPSK	1755	132422	20	1	99	21.90	22.0
QPSK	1755	132422	20	50	0	20.52	21.0
QPSK	1755	132422	20	50	24	20.70	21.0
QPSK	1755	132422	20	50	50	20.77	21.0
QPSK	1755	132422	20	100	0	20.68	21.0
QPSK	1770	132572	20	1	0	21.81	22.0
QPSK	1770	132572	20	1	49	21.98	22.0
QPSK	1770	132572	20	1	99	22.00	22.0
QPSK	1770	132572	20	50	0	20.93	21.0
QPSK	1770	132572	20	50	24	21.05	21.5
QPSK	1770	132572	20	50	50	21.04	21.5
QPSK	1770	132572	20	100	0	21.01	21.5

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	Tune-up (dBm)
16QAM	1720	132072	20	1	0	21.38	21.5
16QAM	1720	132072	20	1	49	21.16	21.5
16QAM	1720	132072	20	1	99	20.92	21.0
16QAM	1720	132072	20	50	0	19.92	20.0
16QAM	1720	132072	20	50	24	19.96	20.0
16QAM	1720	132072	20	50	50	19.73	20.0
16QAM	1720	132072	20	100	0	19.86	20.0
16QAM	1755	132422	20	1	0	20.80	21.0
16QAM	1755	132422	20	1	49	20.95	21.0
16QAM	1755	132422	20	1	99	21.26	21.5
16QAM	1755	132422	20	50	0	19.51	20.0
16QAM	1755	132422	20	50	24	19.66	20.0
16QAM	1755	132422	20	50	50	19.75	20.0
16QAM	1755	132422	20	100	0	19.64	20.0
16QAM	1770	132572	20	1	0	21.19	21.5
16QAM	1770	132572	20	1	49	21.28	21.5
16QAM	1770	132572	20	1	99	21.46	21.5
16QAM	1770	132572	20	50	0	19.94	20.0
16QAM	1770	132572	20	50	24	20.01	20.5
16QAM	1770	132572	20	50	50	20.12	20.5
16QAM	1770	132572	20	100	0	20.01	20.5

Wi-Fi2.4GHz

Test Mode	Freq(MHz)	Antenna	Average power output (dBm)	Tune-up (dBm)
802.11b	2412	Chain0	18.21	18.5
802.11b	2412	Chain1	18.09	18.5
802.11b	2437	Chain0	18.65	19.0
802.11b	2437	Chain1	18.47	18.5
802.11b	2462	Chain0	18.40	18.5
802.11b	2462	Chain1	18.33	18.5
802.11g	2412	Chain0	16.86	17.0
802.11g	2412	Chain1	16.55	17.0
802.11g	2437	Chain0	17.25	17.5
802.11g	2437	Chain1	17.09	17.5
802.11g	2462	Chain0	17.18	17.5
802.11g	2462	Chain1	16.95	17.0
802.11n HT20	2412	Chain0	16.88	17.0
802.11n HT20	2412	Chain1	16.38	16.5
802.11n HT20	2412	MIMO	19.65	20.0
802.11n HT20	2437	Chain0	16.65	17.0
802.11n HT20	2437	Chain1	16.86	17.0
802.11n HT20	2437	MIMO	19.77	20.0
802.11n HT20	2462	Chain0	16.48	16.5
802.11n HT20	2462	Chain1	16.79	17.0
802.11n HT20	2462	MIMO	19.65	20.0
802.11n HT40	2422	Chain0	16.00	16.0
802.11n HT40	2422	Chain1	16.22	16.5
802.11n HT40	2422	MIMO	19.12	19.5
802.11n HT40	2437	Chain0	16.19	16.5
802.11n HT40	2437	Chain1	16.52	17.0
802.11n HT40	2437	MIMO	19.37	19.5
802.11n HT40	2452	Chain0	16.15	16.5
802.11n HT40	2452	Chain1	16.22	16.5
802.11n HT40	2452	MIMO	19.20	19.5

Wi-Fi5.2GHz

Mode	Freq (MHz)	Antenna	Conducted average power output(dBm)	Tune-up (dBm)
802.11a	5180	Chain0	14.89	15.0
802.11a	5180	Chain1	14.52	15.0
802.11a	5220	Chain0	14.28	14.5
802.11a	5220	Chain1	13.90	14.0
802.11a	5240	Chain0	14.26	14.5
802.11a	5240	Chain1	14.10	14.5
802.11n HT20	5180	Chain0	15.24	15.5
802.11n HT20	5180	Chain1	15.20	15.5
802.11n HT20	5180	MIMO	18.23	18.5
802.11n HT20	5220	Chain0	15.10	15.5
802.11n HT20	5220	Chain1	14.94	15.0
802.11n HT20	5220	MIMO	18.03	18.5
802.11n HT20	5240	Chain0	15.14	15.5
802.11n HT20	5240	Chain1	15.16	15.5
802.11n HT20	5240	MIMO	18.16	18.5
802.11ac VHT20	5180	Chain0	13.63	14.0
802.11ac VHT20	5180	Chain1	13.27	13.5
802.11ac VHT20	5180	MIMO	16.46	16.5
802.11ac VHT20	5220	Chain0	13.58	14.0
802.11ac VHT20	5220	Chain1	13.18	13.5
802.11ac VHT20	5220	MIMO	16.39	16.5
802.11ac VHT20	5240	Chain0	13.52	14.0
802.11ac VHT20	5240	Chain1	13.29	13.5
802.11ac VHT20	5240	MIMO	16.42	16.5
802.11n HT40	5190	Chain0	14.76	15.0
802.11n HT40	5190	Chain1	14.74	15.0
802.11n HT40	5190	MIMO	17.76	18.0
802.11n HT40	5230	Chain0	14.78	15.0
802.11n HT40	5230	Chain1	14.85	15.0
802.11n HT40	5230	MIMO	17.83	18.0
802.11ac VHT40	5190	Chain0	13.07	13.5
802.11ac VHT40	5190	Chain1	12.74	13.0
802.11ac VHT40	5190	MIMO	15.92	16.0
802.11ac VHT40	5230	Chain0	13.14	13.5
802.11ac VHT40	5230	Chain1	12.87	13.0
802.11ac VHT40	5230	MIMO	16.02	16.5
802.11ac VHT80	5210	Chain0	12.00	12.0
802.11ac VHT80	5210	Chain1	11.84	12.0
802.11ac VHT80	5210	MIMO	14.93	15.0

Wi-Fi5.8GHz

Mode	Freq (MHz)	Antenna	Conducted average power output(dBm)	Tune-up (dBm)
802.11a	5745	Chain0	15.46	15.5
802.11a	5745	Chain1	15.18	15.5
802.11a	5785	Chain0	15.24	15.5
802.11a	5785	Chain1	15.31	15.5
802.11a	5825	Chain0	15.22	15.5
802.11a	5825	Chain1	15.48	15.5
802.11n HT20	5745	Chain0	16.04	16.5
802.11n HT20	5745	Chain1	16.03	16.5
802.11n HT20	5745	MIMO	19.05	19.5
802.11n HT20	5785	Chain0	16.21	16.5
802.11n HT20	5785	Chain1	16.23	16.5
802.11n HT20	5785	MIMO	19.23	19.5
802.11n HT20	5825	Chain0	16.23	16.5
802.11n HT20	5825	Chain1	16.36	16.5
802.11n HT20	5825	MIMO	19.31	19.5
802.11ac VHT20	5745	Chain0	13.92	14.0
802.11ac VHT20	5745	Chain1	13.87	14.0
802.11ac VHT20	5745	MIMO	16.91	17.0
802.11ac VHT20	5785	Chain0	14.06	14.5
802.11ac VHT20	5785	Chain1	14.11	14.5
802.11ac VHT20	5785	MIMO	17.10	17.5
802.11ac VHT20	5825	Chain0	14.11	14.5
802.11ac VHT20	5825	Chain1	14.25	14.5
802.11ac VHT20	5825	MIMO	17.19	17.5
802.11n HT40	5755	Chain0	15.79	16.0
802.11n HT40	5755	Chain1	15.97	16.0
802.11n HT40	5755	MIMO	18.89	19.0
802.11n HT40	5795	Chain0	15.97	16.0
802.11n HT40	5795	Chain1	16.07	16.5
802.11n HT40	5795	MIMO	19.03	19.5
802.11ac VHT40	5755	Chain0	13.96	14.0
802.11ac VHT40	5755	Chain1	13.76	14.0
802.11ac VHT40	5755	MIMO	16.87	17.0
802.11ac VHT40	5795	Chain0	13.93	14.0
802.11ac VHT40	5795	Chain1	13.97	14.0
802.11ac VHT40	5795	MIMO	16.96	17.0
802.11ac VHT80	5775	Chain0	12.68	13.0
802.11ac VHT80	5775	Chain1	12.63	13.0
802.11ac VHT80	5775	MIMO	15.67	16.0

5.2 MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Limit:

(A) Limits for Occupational/Controlled Exposure ☐

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f ²	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

(B) Limits for General Population/Uncontrolled Exposure ☒

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f ²	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f = frequency in MHz *Plane-wave equivalent power density

Result:

According to §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines.

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$\text{The } S = PG / (4\pi R^2)$$

Where S = power density in mW/cm²

P = transmit power in mW

G = numeric gain of transmit antenna

R = distance (cm)

Standalone Transmission Result

Band	Freq. (MHz)	Maximum Power (dBm)	Maximum EIRP (dBm)	Average EIRP (mW)	Power Density at 20cm (mW/cm ²)	Limit (mW/cm ²)	Power Density/ Limit
GSM850	848.8	33	33.6	2290.87	0.456	0.566	0.806
PCS1900	1880	29.5	31.4	1380.38	0.275	1.0	0.275
WCDMA Band2	1907.6	22	23.9	245.47	0.049	1.0	0.049
WCDMA Band4	1752.6	22.5	24.2	263.03	0.052	1.0	0.052
WCDMA Band5	826.4	23	23.6	229.09	0.046	0.551	0.083
LTE Band2	1907.5	21.5	23.4	218.78	0.044	1.0	0.044
LTE Band4	1712.5	23	24.7	295.12	0.059	1.0	0.059
LTE Band5	829	22.5	23.1	204.17	0.041	0.553	0.074
LTE Band7	2567.5	22	24.6	288.40	0.057	1.0	0.057
LTE Band13	782	20.5	21	125.89	0.025	0.521	0.048
LTE Band38	2595	21.5	23.2	208.93	0.042	1.0	0.042
LTE Band40	2310	22.5	24.9	309.03	0.061	1.0	0.061
LTE Band41	2680	22	24.1	257.04	0.051	1.0	0.051
LTE Band66	1779.3	22.5	25.1	323.59	0.064	1.0	0.064
Wi-Fi2.4GHz	2437	20	22.3	169.82	0.034	1.0	0.034
Wi-Fi5.2GHz	5180	18.5	21.0	125.89	0.025	1.0	0.025
Wi-Fi5.8GHz	5825	19.5	22.0	158.49	0.032	1.0	0.032

Simultaneous Transmission Result

Power Density1 / Limit	Power Density2 / Limit	Σ(Power Density / Limit)
0.806	0.034	0.84

Note: Simultaneous Transmission Limit = Power Density_1 / Limit_1 + Power Density_2 / Limit_2 < 1.