



				132022/1715	132322/1745	132622/1775
10MHz	QPSK	1	0	23.43	23.60	23.58
		1	25	23.34	23.82	23.62
		1	49	23.39	23.68	23.48
		25	0	22.57	22.70	22.39
		25	13	22.48	22.86	22.44
		25	25	22.69	22.68	22.47
		50	0	22.60	22.78	22.39
	16QAM	1	0	22.86	22.39	22.22
		1	25	22.46	22.83	22.61
		1	49	22.59	22.46	22.24
		25	0	21.65	21.71	21.40
		25	13	21.42	21.88	21.54
		25	25	21.79	21.74	21.58
		50	0	21.69	21.89	21.47
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				132047/1717.5	132322/1745	132597/1772.5
15MHz	QPSK	1	0	23.42	23.56	23.56
		1	38	23.32	23.81	23.59
		1	74	23.36	23.63	23.44
		36	0	22.55	22.66	22.36
		36	18	22.45	22.81	22.40
		36	39	22.66	22.65	22.43
		75	0	22.58	22.74	22.34
	16QAM	1	0	22.81	22.37	22.20
		1	38	22.44	22.80	22.59
		1	74	22.56	22.42	22.21
		36	0	21.62	21.69	21.37
		36	18	21.39	21.83	21.50
		36	39	21.77	21.70	21.55
		75	0	21.66	21.84	21.43
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				132072/1720	132322/1745	132572/1770
20MHz	QPSK	1	0	23.39	23.52	23.53
		1	50	23.31	23.77	23.57
		1	99	23.34	23.62	23.41
		50	0	22.52	22.61	22.32
		50	25	22.43	22.77	22.37
		50	50	22.63	22.60	22.39
		100	0	22.55	22.69	22.30
	16QAM	1	0	22.79	22.33	22.15
		1	50	22.40	22.78	22.55
		1	99	22.54	22.39	22.19



		50	0	21.59	21.65	21.34
		50	25	21.36	21.81	21.47
		50	50	21.74	21.65	21.51
		100	0	21.64	21.80	21.40

LTE Band 71				Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				133147/665.5	133297/680.5	133447/695.5
5MHz	QPSK	1	0	23.15	23.23	22.96
		1	13	23.44	23.23	23.08
		1	24	23.25	23.06	23.07
		12	0	22.15	22.33	22.29
		12	6	22.20	22.19	22.21
		12	13	22.38	22.36	22.33
		25	0	22.17	22.40	22.20
	16QAM	1	0	22.08	22.64	22.90
		1	13	22.20	22.85	22.91
		1	24	22.22	22.43	22.78
		12	0	21.29	21.23	21.07
		12	6	21.25	21.28	21.26
		12	13	21.38	21.23	21.13
		25	0	21.32	21.50	21.31
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				133172/668	133297/680.5	133422/693
10MHz	QPSK	1	0	23.17	23.24	22.99
		1	25	23.47	23.28	23.12
		1	49	23.27	23.10	23.10
		25	0	22.18	22.38	22.33
		25	13	22.23	22.24	22.25
		25	25	22.40	22.40	22.38
		50	0	22.25	22.42	22.24
	16QAM	1	0	22.10	22.67	22.92
		1	25	22.23	22.89	22.94
		1	49	22.25	22.45	22.81
		25	0	21.32	21.28	21.11
		25	13	21.27	21.32	21.29
		25	25	21.41	21.28	21.17
		50	0	21.35	21.55	21.35
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				133197/670.5	133297/680.5	133397/690.5
15MHz	QPSK	1	0	23.16	23.01	22.97



		1	38	23.45	23.11	23.09
		1	74	23.24	23.09	23.06
		36	0	22.16	22.25	22.30
		36	18	22.20	22.21	22.21
		36	39	22.37	22.13	22.34
		75	0	22.23	22.11	22.19
		1	0	22.05	22.07	22.90
	16QAM	1	38	22.21	22.09	22.92
		1	74	22.22	22.22	22.78
		36	0	21.29	21.25	21.08
		36	18	21.24	21.20	21.25
		36	39	21.39	21.12	21.14
		75	0	21.32	21.11	21.31
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
				133222/673	133322/683	133372/688
20MHz	QPSK	1	0	23.13	23.16	22.94
		1	50	23.44	23.23	23.07
		1	99	23.22	23.04	23.03
		50	0	22.13	22.29	22.26
		50	25	22.18	22.15	22.18
		50	50	22.34	22.32	22.30
		100	0	22.20	22.33	22.15
	16QAM	1	0	22.03	22.61	22.85
		1	50	22.17	22.84	22.88
		1	99	22.20	22.38	22.76
		50	0	21.26	21.22	21.05
		50	25	21.21	21.25	21.22
		50	50	21.36	21.19	21.10
		100	0	21.30	21.46	21.28

5.2 Effective Isotropic Radiated Power

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

1. The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 and ANSI/TIA-603-E (2016).

a) Connect the equipment as illustrated. Mount the equipment with the manufacturer specified antenna in a vertical orientation on a manufacturer specified mounting surface located on a non-conducting rotating platform of a RF anechoic chamber (preferred) or a standard radiation site.

b) Key the transmitter, then rotate the EUT 360° azimuthally and record spectrum analyzer power level (LVL) measurements at angular increments that are sufficiently small to permit resolution of all peaks. If a standard radiation test site is used, raise and lower the test antenna to obtain a maximum reading at each angular increment. (Note: several batteries may be needed to offset the effect of battery voltage droop, which should not exceed 5% of the manufactured specified battery voltage during transmission).

c) Replace the transmitter under test with a vertically polarized half-wave dipole (or an antenna whose gain is known relative to an ideal half-wave dipole). The center of the antenna should be at the same location as the center of the antenna under test.

d) Connect the antenna to a signal generator with a known output power and record the path loss (in dB) as LOSS. If a standard radiation test site is used, raise and lower the test antenna to obtain a maximum reading. $LOSS = \text{Generator Output Power (dBm)} - \text{Analyzer reading (dBm)}$

e) Determine the effective radiated output power at each angular position from the readings in steps b) and d) using the following equation: $ERP \text{ (dBm)} = LVL \text{ (dBm)} + LOSS \text{ (dB)}$

f) The maximum ERP is the maximum value determined in the preceding step.

g) When calculating ERP, in addition to knowing the antenna radiation and matching characteristics, it is necessary to know the loss values of all elements (e.g. transmission line attenuation, mismatches, filters, combiners) interposed between the point where transmitter output power is measured, and the point where power is applied to the antenna. ERP can then be calculated as follows:

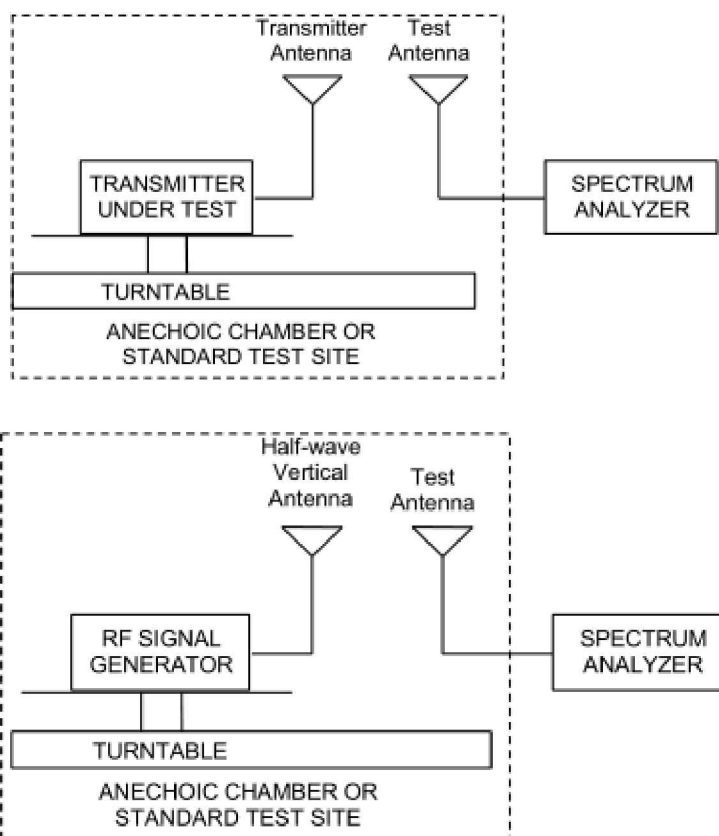
$$EIRP \text{ (dBm)} = \text{Output Power (dBm)} - \text{Losses (dB)} + \text{Antenna Gain (dBd)}$$

where: dBd refers to gain relative to an ideal dipole.

$$EIRP \text{ (dBm)} = ERP \text{ (dBm)} + 2.15 \text{ (dB.)}$$

The RB allocation refers to section 5.1, using the maximum output power configuration.

Test setup



Note: Area side:2.4mX3.6m

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

Limits

Rule Part 27.50(b) (10) specifies that “Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP”

Rule Part 27.50(c) (10) specifies that “Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP”

Rule Part 27.50(d) (4) specifies that “Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.”

Part 27.50(b)(10)Limit	$\leq 3 \text{ W}$ (34.77 dBm)
Part 27.50(c)(10)Limit	$\leq 3 \text{ W}$ (34.77 dBm)
Part 27.50(d)(4)Limit	$\leq 1 \text{ W}$ (30 dBm)

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 1.19 \text{ dB}$

Test Results

The measurement is performed for both of horizontal and vertical antenna Polarization, and only the data of worst mode is recorded in this report.

Mode	Channel	Frequency (MHz)	Polarization	EIRP (dBm)	Limit (dBm)	Conclusion
WCDMA Band IV	Low	1712.4	Horizontal	25.59	30	Pass
	Mid	1732.6	Horizontal	25.62	30	Pass
	High	1752.6	Horizontal	25.26	30	Pass

LTE Band 4						
Bandwidth	Channel	Frequency (MHz)	Polarization	EIRP (dBm)	Limit (dBm)	Conclusion
1.4 MHz (QPSK)	Low	1710.7	Horizontal	26.08	30	Pass
	Mid	1732.5	Horizontal	25.73	30	Pass
	High	1754.3	Horizontal	25.24	30	Pass
3 MHz (QPSK)	Low	1711.5	Horizontal	25.83	30	Pass
	Mid	1732.5	Horizontal	25.57	30	Pass
	High	1753.5	Horizontal	25.23	30	Pass
5 MHz (QPSK)	Low	1712.5	Horizontal	25.90	30	Pass
	Mid	1732.5	Horizontal	25.71	30	Pass
	High	1752.5	Horizontal	24.99	30	Pass
10 MHz (QPSK)	Low	1715	Horizontal	25.56	30	Pass
	Mid	1732.5	Horizontal	25.55	30	Pass
	High	1750	Horizontal	25.69	30	Pass
15 MHz (QPSK)	Low	1717.5	Horizontal	25.87	30	Pass
	Mid	1732.5	Horizontal	25.66	30	Pass
	High	1747.5	Horizontal	25.53	30	Pass
20 MHz (QPSK)	Low	1720	Horizontal	25.51	30	Pass
	Mid	1732.5	Horizontal	25.40	30	Pass
	High	1745	Horizontal	25.79	30	Pass
1.4 MHz (16QAM)	Low	1710.7	Horizontal	25.45	30	Pass
	Mid	1732.5	Horizontal	24.90	30	Pass
	High	1754.3	Horizontal	24.69	30	Pass
3 MHz (16QAM)	Low	1711.5	Horizontal	25.19	30	Pass
	Mid	1732.5	Horizontal	24.76	30	Pass
	High	1753.5	Horizontal	24.67	30	Pass
5 MHz (16QAM)	Low	1712.5	Horizontal	25.52	30	Pass
	Mid	1732.5	Horizontal	25.54	30	Pass
	High	1752.5	Horizontal	24.78	30	Pass
10 MHz (16QAM)	Low	1715	Horizontal	25.22	30	Pass
	Mid	1732.5	Horizontal	25.03	30	Pass
	High	1750	Horizontal	25.36	30	Pass



15 MHz (16QAM)	Low	1717.5	Horizontal	25.19	30	Pass
	Mid	1732.5	Horizontal	25.22	30	Pass
	High	1747.5	Horizontal	24.99	30	Pass
20 MHz (16QAM)	Low	1720	Horizontal	25.22	30	Pass
	Mid	1732.5	Horizontal	24.88	30	Pass
	High	1745	Horizontal	25.35	30	Pass

LTE Band 12						
Bandwidth	Channel	Frequency (MHz)	Polarization	ERP (dBm)	Limit (dBm)	Conclusion
1.4 MHz (QPSK)	Low	699.7	Horizontal	18.96	34.77	Pass
	Mid	707.5	Horizontal	20.31	34.77	Pass
	High	715.3	Horizontal	20.26	34.77	Pass
3 MHz (QPSK)	Low	700.5	Horizontal	19.55	34.77	Pass
	Mid	707.5	Horizontal	19.90	34.77	Pass
	High	714.5	Horizontal	20.16	34.77	Pass
5 MHz (QPSK)	Low	701.5	Horizontal	19.11	34.77	Pass
	Mid	707.5	Horizontal	20.04	34.77	Pass
	High	713.5	Horizontal	20.48	34.77	Pass
10 MHz (QPSK)	Low	704	Horizontal	19.21	34.77	Pass
	Mid	707.5	Horizontal	19.33	34.77	Pass
	High	711	Horizontal	19.83	34.77	Pass
1.4 MHz (16QAM)	Low	699.7	Horizontal	18.66	34.77	Pass
	Mid	707.5	Horizontal	19.77	34.77	Pass
	High	715.3	Horizontal	19.97	34.77	Pass
3 MHz (16QAM)	Low	700.5	Horizontal	19.19	34.77	Pass
	Mid	707.5	Horizontal	19.56	34.77	Pass
	High	714.5	Horizontal	19.92	34.77	Pass
5 MHz (16QAM)	Low	701.5	Horizontal	18.89	34.77	Pass
	Mid	707.5	Horizontal	19.93	34.77	Pass
	High	713.5	Horizontal	20.38	34.77	Pass
10 MHz (16QAM)	Low	704	Horizontal	18.55	34.77	Pass
	Mid	707.5	Horizontal	18.57	34.77	Pass
	High	711	Horizontal	19.30	34.77	Pass

LTE Band 13						
Bandwidth	Channel	Frequency (MHz)	Polarization	ERP (dBm)	Limit (dBm)	Conclusion
5MHz (QPSK)	Low	779.5	Horizontal	23.26	34.77	Pass
	Mid	782	Horizontal	23.25	34.77	Pass
	High	784.5	Horizontal	23.36	34.77	Pass
10MHz (QPSK)	Mid	782	Horizontal	23.63	34.77	Pass
5MHz (16QAM)	Low	779.5	Horizontal	22.65	34.77	Pass
	Mid	782	Horizontal	22.89	34.77	Pass
	High	784.5	Horizontal	22.78	34.77	Pass
10MHz (16QAM)	Mid	782	Horizontal	23.26	34.77	Pass

LTE Band 66						
Band width	Channel	Frequency (MHz)	Polarization	EIRP (dBm)	Limit (dBm)	Conclusion
1.4 MHz (QPSK)	Low	1710.70	Horizontal	27.17	30	Pass
	Mid	1745.00	Horizontal	27.10	30	Pass
	High	1779.30	Horizontal	26.05	30	Pass
3 MHz (QPSK)	Low	1711.50	Horizontal	27.51	30	Pass
	Mid	1745.00	Horizontal	27.06	30	Pass
	High	1778.50	Horizontal	26.01	30	Pass
5 MHz (QPSK)	Low	1712.50	Horizontal	26.92	30	Pass
	Mid	1745.00	Horizontal	26.78	30	Pass
	High	1777.50	Horizontal	25.98	30	Pass
10 MHz (QPSK)	Low	1715.00	Horizontal	27.25	30	Pass
	Mid	1745.00	Horizontal	27.30	30	Pass
	High	1775.00	Horizontal	26.13	30	Pass
15 MHz (QPSK)	Low	1717.50	Horizontal	27.01	30	Pass
	Mid	1745.00	Horizontal	27.12	30	Pass
	High	1772.50	Horizontal	26.43	30	Pass
20 MHz (QPSK)	Low	1720.00	Horizontal	26.98	30	Pass
	Mid	1745.00	Horizontal	27.02	30	Pass
	High	1770.00	Horizontal	26.31	30	Pass
1.4 MHz (16QAM)	Low	1710.70	Horizontal	26.54	30	Pass
	Mid	1745.00	Horizontal	26.27	30	Pass
	High	1779.30	Horizontal	25.50	30	Pass
3 MHz (16QAM)	Low	1711.50	Horizontal	26.87	30	Pass
	Mid	1745.00	Horizontal	26.25	30	Pass
	High	1778.50	Horizontal	25.45	30	Pass



5 MHz (16QAM)	Low	1712.50	Horizontal	26.14	30	Pass
	Mid	1745.00	Horizontal	26.21	30	Pass
	High	1777.50	Horizontal	25.37	30	Pass
10 MHz (16QAM)	Low	1715.00	Horizontal	26.61	30	Pass
	Mid	1745.00	Horizontal	26.48	30	Pass
	High	1775.00	Horizontal	25.50	30	Pass
15 MHz (16QAM)	Low	1717.50	Horizontal	26.63	30	Pass
	Mid	1745.00	Horizontal	26.98	30	Pass
	High	1772.50	Horizontal	26.19	30	Pass
20 MHz (16QAM)	Low	1720.00	Horizontal	26.79	30	Pass
	Mid	1745.00	Horizontal	26.60	30	Pass
	High	1770.00	Horizontal	25.97	30	Pass

LTE Band 71						
Bandwidth	Channel	Frequency (MHz)	Polarization	ERP (dBm)	Limit (dBm)	Conclusion
5 MHz (QPSK)	Low	665.5	Horizontal	21.30	34.77	Pass
	Mid	680.5	Horizontal	22.72	34.77	Pass
	High	695.5	Horizontal	22.54	34.77	Pass
10 MHz (QPSK)	Low	668	Horizontal	21.15	34.77	Pass
	Mid	680.5	Horizontal	22.42	34.77	Pass
	High	693	Horizontal	22.17	34.77	Pass
15 MHz (QPSK)	Low	670.5	Horizontal	21.32	34.77	Pass
	Mid	680.5	Horizontal	21.74	34.77	Pass
	High	690.5	Horizontal	22.44	34.77	Pass
20 MHz (QPSK)	Low	673	Horizontal	21.41	34.77	Pass
	Mid	683	Horizontal	22.66	34.77	Pass
	High	688	Horizontal	22.52	34.77	Pass
5 MHz (16QAM)	Low	665.5	Horizontal	20.62	34.77	Pass
	Mid	680.5	Horizontal	22.25	34.77	Pass
	High	695.5	Horizontal	22.03	34.77	Pass
10 MHz (16QAM)	Low	668	Horizontal	20.61	34.77	Pass
	Mid	680.5	Horizontal	21.70	34.77	Pass
	High	693	Horizontal	21.64	34.77	Pass
15 MHz (16QAM)	Low	670.5	Horizontal	20.64	34.77	Pass
	Mid	680.5	Horizontal	21.30	34.77	Pass
	High	690.5	Horizontal	21.90	34.77	Pass
20 MHz (16QAM)	Low	673	Horizontal	20.92	34.77	Pass
	Mid	683	Horizontal	21.94	34.77	Pass
	High	688	Horizontal	21.88	34.77	Pass

Note: 1. EIRP= E.R.P+2.15

5.3 Occupied Bandwidth

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The occupied bandwidth is measured using spectrum analyzer.

RBW is set to 51 kHz, VBW is set to 160 kHz for WCDMA Band IV.

RBW is set to 51 kHz, VBW is set to 160 kHz for LTE Band 4/12/66 (1.4MHz).

RBW is set to 100 kHz, VBW is set to 300 kHz for LTE Band 4/12/66 (3MHz).

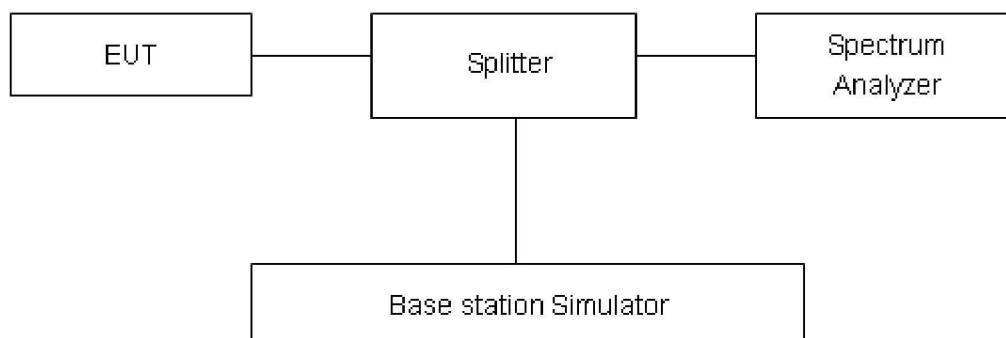
RBW is set to 100 kHz, VBW is set to 300 kHz for LTE Band 4/12/13/66/71 (5MHz).

RBW is set to 300 kHz, VBW is set to 1MHz for LTE Band 4/12/13/66/71 (10MHz).

RBW is set to 300 kHz, VBW is set to 1MHz for LTE Band 4/66/71 (15MHz/20MHz).

99% power and -26dBc occupied bandwidths are recorded. Spectrum analyzer plots are included on the following pages.

Test Setup



Limits

No specific occupied bandwidth requirements in part 2.1049.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U=624\text{Hz}$.

Test Result
EC25-AF

Mode	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
WCDMA Band IV (RMC)	1312	1712.4	4.1288	4.696
	1413	1732.6	4.1217	4.714
	1513	1752.6	4.1281	4.715

LTE Band 4						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	19957	1710.7	1.1282	1.366
			20175	1732.5	1.1272	1.362
			20393	1754.3	1.1412	1.369
		3	19965	1711.5	2.7521	3.075
			20175	1732.5	2.7431	3.075
			20385	1753.5	2.7428	3.085
		5	19975	1712.5	4.5161	5.049
			20175	1732.5	4.5341	5.033
			20375	1752.5	4.5121	5.057
		10	20000	1715	9.0083	10.070
			20175	1732.5	9.0383	10.210
			20350	1750	9.0426	10.080
		15	20025	1717.5	13.4140	14.650
			20175	1732.5	13.4770	14.810
			20325	1747.5	13.4540	14.740
		20	20050	1720	17.8660	19.240
			20175	1732.5	17.8520	19.150
			20300	1745	17.8910	19.490
	16QAM	1.4	19957	1710.7	1.1249	1.334
			20175	1732.5	1.1305	1.353
			20393	1754.3	1.1225	1.377
		3	19965	1711.5	2.7348	3.064
			20175	1732.5	2.7630	3.089
			20385	1753.5	2.7407	3.079
		5	19975	1712.5	4.5356	5.040
			20175	1732.5	4.5138	5.037
			20375	1752.5	4.5368	5.045
		10	20000	1715	9.0158	10.050



			20175	1732.5	9.0392	10.000
			20350	1750	9.0281	10.090
			20025	1717.5	13.4620	14.740
		15	20175	1732.5	13.4740	14.730
			20325	1747.5	13.4740	14.810
			20050	1720	17.8840	19.410
		20	20175	1732.5	17.9000	19.320
			20300	1745	17.8550	19.320

LTE Band 12						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	23017	699.7	1.1276	1.362
			23095	707.5	1.1259	1.353
			23173	715.3	1.1378	1.342
		3	23025	700.5	2.7511	3.064
			23095	707.5	2.7413	3.074
			23165	714.5	2.7441	3.073
		5	23035	701.5	4.5181	5.050
			23095	707.5	4.5262	5.043
			23155	713.5	4.5110	4.989
		10	23060	704	9.0089	10.040
			23095	707.5	9.0229	10.090
			23130	711	9.0466	10.080
	16QAM	1.4	23017	699.7	1.1233	1.328
			23095	707.5	1.1305	1.335
			23173	715.3	1.1214	1.358
		3	23025	700.5	2.7342	3.065
			23095	707.5	2.7584	3.075
			23165	714.5	2.7401	3.068
		5	23035	701.5	4.5272	5.035
			23095	707.5	4.5071	5.026
			23155	713.5	4.5361	5.063
		10	23060	704	9.0130	10.070
			23095	707.5	9.0272	9.989
			23130	711	9.0403	10.110

LTE Band 13						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	5	23205	779.5	4.5103	5.025



			23230	782	4.5307	5.036
			23255	784.5	4.4991	5.010
		10	23230	782	9.0332	10.120
	16QAM	5	23205	779.5	4.5294	5.034
			23230	782	4.5129	5.021
			23255	784.5	4.5367	5.032
		10	23230	782	9.0348	10.010

LTE Band 66						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	131979	1710.7	1.1295	1.385
			132322	1745	1.1286	1.364
			132665	1779.3	1.1383	1.350
		3	131987	1711.5	2.7481	3.070
			132322	1745	2.7435	3.077
			132657	1778.5	2.7434	3.068
		5	131997	1712.5	4.5159	5.042
			132322	1745	4.5347	5.042
			132647	1777.5	4.5042	5.037
		10	132022	1715	9.0110	10.110
			132322	1745	9.0427	10.200
			132622	1775	9.0373	10.050
		15	132047	1717.5	13.4110	14.730
			132322	1745	13.4790	14.730
			132597	1772.5	13.4530	14.720
		20	132072	1720	17.8570	19.260
			132322	1745	17.8840	19.310
			132572	1770	17.8970	19.500
	16QAM	1.4	131979	1710.7	1.1247	1.332
			132322	1745	1.1301	1.350
			132665	1779.3	1.1222	1.360
		3	131987	1711.5	2.7340	3.056
			132322	1745	2.7701	3.094
			132657	1778.5	2.7384	3.072
		5	131997	1712.5	4.5369	5.046
			132322	1745	4.5175	5.046
			132647	1777.5	4.5340	5.043
		10	132022	1715	9.0146	10.060
			132322	1745	9.0407	10.040



			132622	1775	9.0275	10.080
		15	132047	1717.5	13.4620	14.740
			132322	1745	13.4870	14.740
			132597	1772.5	13.4630	14.850
		20	132072	1720	17.8850	19.500
			132322	1745	17.8840	19.410
			132572	1770	17.8600	19.290

LTE Band 71						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
		5	133147	665.5	4.5101	5.025
			133297	680.5	4.5218	5.037
			133447	695.5	4.5052	5.012
		10	133172	668	9.0070	10.120
			133297	680.5	9.0348	10.180
			133422	693	9.0305	10.040
		15	133197	670.5	13.4130	14.720
			133297	680.5	13.4490	14.760
			133397	690.5	13.4690	14.790
		20	133222	673	17.8330	19.240
			133322	683	17.8680	19.250
			133372	688	17.9120	19.430
		5	133147	665.5	4.5289	5.040
			133297	680.5	4.5090	5.016
			133447	695.5	4.5335	5.047
		10	133172	668	9.0112	10.050
			133297	680.5	9.0370	10.030
			133422	693	9.0266	10.070
		15	133197	670.5	13.4550	14.740
			133297	680.5	13.4680	14.730
			133397	690.5	13.4770	14.790
		20	133222	673	17.8350	19.430
			133322	683	17.8930	19.330
			133372	688	17.8710	19.360



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LTE Band 12						
RB	Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	99% Power Bandwidth(MHz)	-26dBc Bandwidth(MHz)
100%	QPSK	1.4	23095	707.5	1.1254	1.353
		3	23095	707.5	2.7455	3.081
		5	23095	707.5	4.5253	5.016
		10	23095	707.5	9.0398	10.140
	16QAM	1.4	23095	707.5	1.1285	1.334
		3	23095	707.5	2.7583	3.074
		5	23095	707.5	4.5101	5.022
		10	23095	707.5	9.0209	10.030