



Report No.: SEWM2302000049RG02

Rev.: 01

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Appendix B.5

LTE Band 5



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Effective (Isotropic) Radiated Power Output Data

Test for Spot check the max BW power:

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	10MHz	QPSK	20450	1RB#0	22.90	20.29	38.5	PASS
Band5	10MHz	QPSK	20450	1RB#25	22.91	20.3	38.5	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.91	20.3	38.5	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.38	19.77	38.5	PASS
Band5	10MHz	QPSK	20450	25RB#13	22.27	19.66	38.5	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.28	19.67	38.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.30	19.69	38.5	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.79	20.18	38.5	PASS
Band5	10MHz	QPSK	20525	1RB#25	22.88	20.27	38.5	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.12	19.51	38.5	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.33	19.72	38.5	PASS
Band5	10MHz	QPSK	20525	25RB#13	22.37	19.76	38.5	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.31	19.7	38.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.32	19.71	38.5	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.65	20.04	38.5	PASS
Band5	10MHz	QPSK	20600	1RB#25	22.83	20.22	38.5	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.68	20.07	38.5	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.32	19.71	38.5	PASS
Band5	10MHz	QPSK	20600	25RB#13	22.25	19.64	38.5	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.21	19.6	38.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.26	19.65	38.5	PASS



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Field Strength of Spurious Radiation

Test for spot check:

Test Band = LTE Band 5_ TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.18	63.44	-48.34	25.57	-54.59	-13.00	41.59	147	357	Horizontal
2	2496.27	45.48	-46.77	27.89	-68.66	-13.00	55.66	135	318	Horizontal
3	3328.36	53.40	-46.16	29.47	-58.55	-13.00	45.55	168	5	Horizontal
4	4160.45	41.84	-45.23	30.86	-67.79	-13.00	54.79	253	113	Horizontal
5	4992.54	39.20	-45.02	32.58	-68.50	-13.00	55.50	244	318	Horizontal
6	5824.63	40.35	-43.43	33.64	-64.70	-13.00	51.70	169	259	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.18	60.66	-48.34	25.57	-57.37	-13.00	44.37	247	164	Vertical
2	2496.27	47.99	-46.77	27.89	-66.15	-13.00	53.15	162	359	Vertical
3	3328.36	56.21	-46.16	29.47	-55.74	-13.00	42.74	177	88	Vertical
4	4160.45	42.20	-45.23	30.86	-67.43	-13.00	54.43	255	359	Vertical
5	4992.54	39.57	-45.02	32.58	-68.13	-13.00	55.13	139	14	Vertical
6	5824.63	40.49	-43.43	33.64	-64.56	-13.00	51.56	249	349	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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