



Report No.: SEWM2302000049RG02

Rev.: 01

Page: 1 of 3

# Appendix B.6

## LTE Band 12



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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号厂房南部 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
Band12	10MHz	QPSK	23060	1RB#0	22.47	17.14	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#25	22.52	17.19	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.38	17.05	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.69	16.36	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#13	21.78	16.45	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.64	16.31	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.73	16.4	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.38	17.05	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#25	22.55	17.22	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.43	17.1	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.68	16.35	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#13	21.80	16.47	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.73	16.4	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.81	16.48	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.33	17	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#25	22.56	17.23	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	21.64	16.31	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.87	16.54	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#13	21.71	16.38	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.72	16.39	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.75	16.42	34.77	PASS



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## Field Strength of Spurious Radiation

### Test for spot check:

Test Band = LTE Band 12\_ 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	1406.18	61.26	-48.72	25.41	-57.31	-13.00	44.31	189	46	Horizontal
2	2109.27	44.02	-47.87	27.12	-71.99	-13.00	58.99	208	31	Horizontal
3	2812.36	44.03	-46.69	28.96	-68.96	-13.00	55.96	149	17	Horizontal
4	3515.45	56.16	-46.03	29.44	-55.70	-13.00	42.70	211	0	Horizontal
5	4218.54	52.70	-45.11	30.95	-56.72	-13.00	43.72	232	0	Horizontal
6	4921.63	39.37	-45.12	32.41	-68.60	-13.00	55.60	158	1	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	1406.18	63.70	-48.72	25.41	-54.87	-13.00	41.87	223	124	Vertical
2	2109.27	43.53	-47.87	27.12	-72.48	-13.00	59.48	159	344	Vertical
3	2812.36	43.80	-46.69	28.96	-69.19	-13.00	56.19	256	234	Vertical
4	3515.45	60.84	-46.03	29.44	-51.02	-13.00	38.02	241	62	Vertical
5	4218.54	55.73	-45.11	30.95	-53.69	-13.00	40.69	188	124	Vertical
6	4921.63	39.63	-45.12	32.41	-68.34	-13.00	55.34	199	344	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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