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Rev.: 01

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Appendix B.6

LTE Band 12



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South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
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 www.sgs.com.cn
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	22.90	17.77	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#25	23.18	18.05	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.78	17.65	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.82	17.69	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#13	22.95	17.82	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.85	17.72	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.88	17.75	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.89	17.76	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#25	22.81	17.68	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.95	17.82	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.87	17.74	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#13	22.79	17.66	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.82	17.69	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.79	17.66	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.67	17.54	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#25	22.66	17.53	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.93	17.80	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.91	17.78	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#13	22.95	17.82	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.89	17.76	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.87	17.74	34.77	PASS



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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 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

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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	63.31	-48.72	25.41	-55.26	-13.00	42.26	186	172	Horizontal
2	2109.27	44.06	-47.87	27.12	-71.95	-13.00	58.95	215	344	Horizontal
3	2812.36	43.07	-46.69	28.96	-69.92	-13.00	56.92	189	204	Horizontal
4	3515.45	57.70	-46.03	29.44	-54.16	-13.00	41.16	226	124	Horizontal
5	4218.54	45.49	-45.11	30.95	-63.93	-13.00	50.93	147	187	Horizontal
6	4921.63	40.64	-45.12	32.41	-67.33	-13.00	54.33	156	266	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	59.75	-48.72	25.41	-58.82	-13.00	45.82	177	47	Vertical
2	2109.27	44.45	-47.87	27.12	-71.56	-13.00	58.56	248	78	Vertical
3	2812.36	44.22	-46.69	28.96	-68.77	-13.00	55.77	263	357	Vertical
4	3515.45	57.16	-46.03	29.44	-54.70	-13.00	41.70	251	17	Vertical
5	4218.54	48.37	-45.11	30.95	-61.05	-13.00	48.05	142	268	Vertical
6	4921.63	39.33	-45.12	32.41	-68.64	-13.00	55.64	158	47	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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