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Rev.: 01

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Appendix B.7

LTE Band 25



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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratories

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号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgsgroup.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)	EIRP (dBm)	Limit (dBm)	Verdict
Band25	20MHz	QPSK	26140	1RB#0	22.10	23.71	33	PASS
Band25	20MHz	QPSK	26140	1RB#50	22.38	23.99	33	PASS
Band25	20MHz	QPSK	26140	1RB#99	21.87	23.48	33	PASS
Band25	20MHz	QPSK	26140	50RB#0	21.48	23.09	33	PASS
Band25	20MHz	QPSK	26140	50RB#25	21.31	22.92	33	PASS
Band25	20MHz	QPSK	26140	50RB#50	21.24	22.85	33	PASS
Band25	20MHz	QPSK	26140	100RB#0	21.37	22.98	33	PASS
Band25	20MHz	QPSK	26365	1RB#0	21.88	23.49	33	PASS
Band25	20MHz	QPSK	26365	1RB#50	22.24	23.85	33	PASS
Band25	20MHz	QPSK	26365	1RB#99	22.07	23.68	33	PASS
Band25	20MHz	QPSK	26365	50RB#0	21.04	22.65	33	PASS
Band25	20MHz	QPSK	26365	50RB#25	21.06	22.67	33	PASS
Band25	20MHz	QPSK	26365	50RB#50	21.05	22.66	33	PASS
Band25	20MHz	QPSK	26365	100RB#0	21.08	22.69	33	PASS
Band25	20MHz	QPSK	26590	1RB#0	21.66	23.27	33	PASS
Band25	20MHz	QPSK	26590	1RB#50	21.88	23.49	33	PASS
Band25	20MHz	QPSK	26590	1RB#99	21.77	23.38	33	PASS
Band25	20MHz	QPSK	26590	50RB#0	21.07	22.68	33	PASS
Band25	20MHz	QPSK	26590	50RB#25	21.03	22.64	33	PASS
Band25	20MHz	QPSK	26590	50RB#50	21.01	22.62	33	PASS
Band25	20MHz	QPSK	26590	100RB#0	21.05	22.66	33	PASS



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

Field Strength of Spurious Radiation

Test for spot check:

Test Band = LTE Band 25_ 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	3742.18	42.59	-45.59	29.98	-68.27	-13.00	55.27	159	64	Horizontal
2	5613.27	49.09	-43.84	32.96	-57.05	-13.00	44.05	152	149	Horizontal
3	7484.36	42.76	-41.66	36.49	-57.67	-13.00	44.67	163	132	Horizontal
4	9355.45	38.39	-38.26	38.56	-56.57	-13.00	43.57	199	164	Horizontal
5	11226.54	32.25	-35.07	39.37	-58.70	-13.00	45.70	103	247	Horizontal
6	13097.63	31.91	-34.47	39.66	-58.16	-13.00	45.16	136	64	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	3742.18	43.03	-45.59	29.98	-67.83	-13.00	54.83	198	219	Vertical
2	5613.27	46.64	-43.84	32.96	-59.50	-13.00	46.50	102	335	Vertical
3	7484.36	41.17	-41.66	36.49	-59.26	-13.00	46.26	163	83	Vertical
4	9355.45	37.43	-38.26	38.56	-57.53	-13.00	44.53	145	360	Vertical
5	11226.54	32.08	-35.07	39.37	-58.87	-13.00	45.87	155	304	Vertical
6	13097.63	32.03	-34.47	39.66	-58.04	-13.00	45.04	136	239	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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t (86-512) 62992980

www.sgsgroup.com.cn

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sgs.china@sgs.com