

Appendix B.9

LTE Band 26(824-849)



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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
Band26	15MHz	QPSK	26865	1RB#0	22.07	19.46	38.5	PASS
Band26	15MHz	QPSK	26865	1RB#38	22.28	19.67	38.5	PASS
Band26	15MHz	QPSK	26865	1RB#74	22.25	19.64	38.5	PASS
Band26	15MHz	QPSK	26865	38RB#0	21.40	18.79	38.5	PASS
Band26	15MHz	QPSK	26865	38RB#18	21.49	18.88	38.5	PASS
Band26	15MHz	QPSK	26865	38RB#37	21.53	18.92	38.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	21.52	18.91	38.5	PASS
Band26	15MHz	QPSK	26915	1RB#0	22.24	19.63	38.5	PASS
Band26	15MHz	QPSK	26915	1RB#38	22.28	19.67	38.5	PASS
Band26	15MHz	QPSK	26915	1RB#74	22.35	19.74	38.5	PASS
Band26	15MHz	QPSK	26915	38RB#0	21.47	18.86	38.5	PASS
Band26	15MHz	QPSK	26915	38RB#18	21.50	18.89	38.5	PASS
Band26	15MHz	QPSK	26915	38RB#37	21.51	18.9	38.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	21.44	18.83	38.5	PASS
Band26	15MHz	QPSK	26965	1RB#0	22.32	19.71	38.5	PASS
Band26	15MHz	QPSK	26965	1RB#38	22.31	19.7	38.5	PASS
Band26	15MHz	QPSK	26965	1RB#74	22.20	19.59	38.5	PASS
Band26	15MHz	QPSK	26965	38RB#0	21.43	18.82	38.5	PASS
Band26	15MHz	QPSK	26965	38RB#18	21.39	18.78	38.5	PASS
Band26	15MHz	QPSK	26965	38RB#37	21.30	18.69	38.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	21.42	18.81	38.5	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号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Field Strength of Spurious Radiation

Test for spot check:

Test Band = LTE Band 26 15M_ 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	1659.5	65.80	-48.35	25.57	-52.24	-13.00	39.24	196	357	Horizontal
2	2489.52	43.96	-46.83	27.88	-70.25	-13.00	57.25	217	0	Horizontal
3	3319.36	54.06	-46.14	29.47	-57.87	-13.00	44.87	152	5	Horizontal
4	4149.2	41.90	-45.26	30.84	-67.78	-13.00	54.78	189	22	Horizontal
5	4979.04	40.13	-45.04	32.55	-67.62	-13.00	54.62	247	13	Horizontal
6	5805.88	39.86	-43.49	33.58	-65.31	-13.00	52.31	175	156	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	1659.5	66.96	-48.35	25.57	-51.08	-13.00	38.08	211	273	Vertical
2	2489.52	44.85	-46.83	27.88	-69.36	-13.00	56.36	242	359	Vertical
3	3319.36	57.24	-46.14	29.47	-54.69	-13.00	41.69	163	57	Vertical
4	4149.2	41.95	-45.26	30.84	-67.73	-13.00	54.73	218	346	Vertical
5	4979.04	39.92	-45.04	32.55	-67.83	-13.00	54.83	166	202	Vertical
6	5805.88	40.06	-43.49	33.58	-65.11	-13.00	52.11	159	114	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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