

Report No.: SUCR240300004401

Rev.: 01

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Appendix B.9

LTE Band 26 (814-824)



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Limit(dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	23.04	50	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	23.01	50	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	22.99	50	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	22.03	50	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	22.96	50	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	22.98	50	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	22.85	50	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	22.01	50	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	22.99	50	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	23	50	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	23.08	50	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	22.1	50	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	22.29	50	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	22.31	50	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	22.22	50	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	21.17	50	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	22.3	50	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	22.39	50	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	22.12	50	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	21.2	50	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	22.25	50	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	22.31	50	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	22.27	50	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	21.11	50	PASS
Band26	3MHz	QPSK	26705	1RB#0	23.11	50	PASS
Band26	3MHz	QPSK	26705	1RB#8	22.99	50	PASS
Band26	3MHz	QPSK	26705	1RB#14	23.01	50	PASS
Band26	3MHz	QPSK	26705	15RB#0	22.02	50	PASS
Band26	3MHz	QPSK	26740	1RB#0	23	50	PASS
Band26	3MHz	QPSK	26740	1RB#8	23.03	50	PASS
Band26	3MHz	QPSK	26740	1RB#14	22.99	50	PASS



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Band26	3MHz	QPSK	26740	15RB#0	22	50	PASS
Band26	3MHz	QPSK	26775	1RB#0	23.03	50	PASS
Band26	3MHz	QPSK	26775	1RB#8	23.01	50	PASS
Band26	3MHz	QPSK	26775	1RB#14	23.16	50	PASS
Band26	3MHz	QPSK	26775	15RB#0	22.1	50	PASS
Band26	3MHz	16QAM	26705	1RB#0	22.37	50	PASS
Band26	3MHz	16QAM	26705	1RB#8	22.28	50	PASS
Band26	3MHz	16QAM	26705	1RB#14	22.27	50	PASS
Band26	3MHz	16QAM	26705	15RB#0	21.12	50	PASS
Band26	3MHz	16QAM	26740	1RB#0	22.24	50	PASS
Band26	3MHz	16QAM	26740	1RB#8	22.28	50	PASS
Band26	3MHz	16QAM	26740	1RB#14	22.33	50	PASS
Band26	3MHz	16QAM	26740	15RB#0	21.08	50	PASS
Band26	3MHz	16QAM	26775	1RB#0	22.23	50	PASS
Band26	3MHz	16QAM	26775	1RB#8	22.35	50	PASS
Band26	3MHz	16QAM	26775	1RB#14	22.41	50	PASS
Band26	3MHz	16QAM	26775	15RB#0	21.13	50	PASS
Band26	5MHz	QPSK	26715	1RB#0	23.02	50	PASS
Band26	5MHz	QPSK	26715	1RB#12	23.11	50	PASS
Band26	5MHz	QPSK	26715	1RB#24	22.95	50	PASS
Band26	5MHz	QPSK	26715	25RB#0	22.08	50	PASS
Band26	5MHz	QPSK	26740	1RB#0	22.96	50	PASS
Band26	5MHz	QPSK	26740	1RB#12	23.02	50	PASS
Band26	5MHz	QPSK	26740	1RB#24	23.01	50	PASS
Band26	5MHz	QPSK	26740	25RB#0	22.11	50	PASS
Band26	5MHz	QPSK	26765	1RB#0	23.04	50	PASS
Band26	5MHz	QPSK	26765	1RB#12	23.07	50	PASS
Band26	5MHz	QPSK	26765	1RB#24	22.94	50	PASS
Band26	5MHz	QPSK	26765	25RB#0	22.07	50	PASS
Band26	5MHz	16QAM	26715	1RB#0	22.44	50	PASS
Band26	5MHz	16QAM	26715	1RB#12	22.33	50	PASS
Band26	5MHz	16QAM	26715	1RB#24	22.2	50	PASS
Band26	5MHz	16QAM	26715	25RB#0	21.15	50	PASS
Band26	5MHz	16QAM	26740	1RB#0	22.42	50	PASS
Band26	5MHz	16QAM	26740	1RB#12	22.2	50	PASS
Band26	5MHz	16QAM	26740	1RB#24	22.31	50	PASS
Band26	5MHz	16QAM	26740	25RB#0	21.11	50	PASS



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Band26	5MHz	16QAM	26765	1RB#12	22.28	50	PASS
Band26	5MHz	16QAM	26765	1RB#24	22.3	50	PASS
Band26	5MHz	16QAM	26765	25RB#0	21.07	50	PASS
Band26	10MHz	QPSK	26740	1RB#0	23.06	50	PASS
Band26	10MHz	QPSK	26740	1RB#24	23.06	50	PASS
Band26	10MHz	QPSK	26740	1RB#49	22.92	50	PASS
Band26	10MHz	QPSK	26740	50RB#0	22.02	50	PASS
Band26	10MHz	16QAM	26740	1RB#0	22.45	50	PASS
Band26	10MHz	16QAM	26740	1RB#24	22.35	50	PASS
Band26	10MHz	16QAM	26740	1RB#49	22.2	50	PASS
Band26	10MHz	16QAM	26740	50RB#0	21.08	50	PASS



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Field Strength of Spurious Radiation

Test Band = LTE Band 26 90S_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1629.18	45.51	-49.87	25.22	-74.40	-13.00	61.40	Horizontal
2	2443.77	44.68	-49.22	27.23	-72.57	-13.00	59.57	Horizontal
3	3258.36	44.48	-48.63	28.60	-70.80	-13.00	57.80	Horizontal
4	4072.95	43.11	-48.28	29.53	-70.90	-13.00	57.90	Horizontal
5	4887.54	43.43	-48.15	31.23	-68.75	-13.00	55.75	Horizontal
6	5702.13	43.18	-47.50	32.74	-66.84	-13.00	53.84	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1629.18	45.61	-49.87	25.22	-74.30	-13.00	61.30	Vertical
2	2443.77	44.56	-49.22	27.23	-72.69	-13.00	59.69	Vertical
3	3258.36	44.24	-48.63	28.60	-71.04	-13.00	58.04	Vertical
4	4072.95	44.00	-48.28	29.53	-70.01	-13.00	57.01	Vertical
5	4887.54	43.21	-48.15	31.23	-68.97	-13.00	55.97	Vertical
6	5702.13	43.38	-47.50	32.74	-66.64	-13.00	53.64	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

2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---



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