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Rev.: 01

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# Appendix B.8

## LTE Band 26(814-824)



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## Transmitter Conducted Power Output

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Limit(dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	23.53	50.00	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	23.45	50.00	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	23.47	50.00	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	22.60	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	23.45	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	23.63	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	23.72	50.00	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	22.60	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	23.21	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	23.46	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	23.35	50.00	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	22.53	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	22.10	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	22.19	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	22.07	50.00	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	21.55	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	22.31	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	22.50	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	22.28	50.00	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	21.10	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	22.21	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	22.16	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	22.36	50.00	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	21.34	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#0	23.68	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#8	23.48	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#14	23.29	50.00	PASS
Band26	3MHz	QPSK	26705	15RB#0	22.50	50.00	PASS



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Band26	3MHz	QPSK	26740	1RB#0	23.57	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#8	23.40	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#14	23.53	50.00	PASS
Band26	3MHz	QPSK	26740	15RB#0	22.64	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#0	23.61	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#8	23.34	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#14	23.57	50.00	PASS
Band26	3MHz	QPSK	26775	15RB#0	22.53	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#0	22.27	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#8	22.11	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#14	22.46	50.00	PASS
Band26	3MHz	16QAM	26705	15RB#0	21.62	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#0	22.50	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#8	22.31	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#14	22.39	50.00	PASS
Band26	3MHz	16QAM	26740	15RB#0	21.78	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#0	22.38	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#8	22.21	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#14	22.51	50.00	PASS
Band26	3MHz	16QAM	26775	15RB#0	21.27	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#0	23.61	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#12	23.52	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#24	23.72	50.00	PASS
Band26	5MHz	QPSK	26715	25RB#0	22.47	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#0	23.33	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#12	23.62	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#24	23.44	50.00	PASS
Band26	5MHz	QPSK	26740	25RB#0	22.49	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#0	23.37	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#12	23.71	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#24	23.63	50.00	PASS
Band26	5MHz	QPSK	26765	25RB#0	22.50	50.00	PASS



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Band26	5MHz	16QAM	26715	1RB#12	22.04	50.00	PASS
Band26	5MHz	16QAM	26715	1RB#24	22.34	50.00	PASS
Band26	5MHz	16QAM	26715	25RB#0	21.50	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#0	22.13	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#12	22.32	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#24	22.16	50.00	PASS
Band26	5MHz	16QAM	26740	25RB#0	21.53	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#0	22.19	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#12	22.38	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#24	22.27	50.00	PASS
Band26	5MHz	16QAM	26765	25RB#0	21.42	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#0	23.48	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#24	23.51	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#49	23.34	50.00	PASS
Band26	10MHz	QPSK	26740	50RB#0	22.50	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#0	22.41	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#24	22.43	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#49	22.27	50.00	PASS
Band26	10MHz	16QAM	26740	27RB#0	21.57	50.00	PASS



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### Field Strength of Spurious Radiation

Test Band = LTE Band 26 \_10MHz \_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1629.18	60.64	-48.44	25.59	-57.47	-13.00	44.47	230	187	Horizontal
2	2443.77	64.85	-47.22	27.79	-49.84	-13.00	36.84	217	155	Horizontal
3	3258.36	44.17	-46.18	29.50	-67.77	-13.00	54.77	289	252	Horizontal
4	4072.95	44.75	-45.43	30.72	-65.23	-13.00	52.23	167	93	Horizontal
5	4887.54	42.33	-45.08	32.33	-65.68	-13.00	52.68	248	314	Horizontal
6	5702.13	41.80	-43.56	33.25	-63.77	-13.00	50.77	195	204	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	1629.18	65.93	-48.44	25.59	-52.18	-13.00	39.18	135	357	Vertical
2	2443.77	60.72	-47.22	27.79	-53.97	-13.00	40.97	246	126	Vertical
3	3258.36	44.68	-46.18	29.50	-67.26	-13.00	54.26	289	314	Vertical
4	4072.95	41.91	-45.43	30.72	-68.07	-13.00	55.07	211	157	Vertical
5	4887.54	41.24	-45.08	32.33	-66.77	-13.00	53.77	179	8	Vertical
6	5702.13	41.25	-43.56	33.25	-64.32	-13.00	51.32	216	8	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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