

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	22.67	50	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	22.92	50	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	22.58	50	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	21.83	50	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	22.82	50	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	22.98	50	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	22.83	50	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	21.97	50	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	22.80	50	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	22.93	50	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	22.67	50	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	22.02	50	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	21.72	50	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	21.59	50	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	21.76	50	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	20.95	50	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	21.81	50	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	21.83	50	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	21.73	50	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	20.98	50	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	22.03	50	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	21.82	50	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	21.84	50	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	21.09	50	PASS
Band26	3MHz	QPSK	26705	1RB#0	22.62	50	PASS
Band26	3MHz	QPSK	26705	1RB#8	22.86	50	PASS
Band26	3MHz	QPSK	26705	1RB#14	22.72	50	PASS



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Band26	3MHz	QPSK	26705	15RB#0	21.86	50	PASS
Band26	3MHz	QPSK	26740	1RB#0	23.02	50	PASS
Band26	3MHz	QPSK	26740	1RB#8	22.92	50	PASS
Band26	3MHz	QPSK	26740	1RB#14	22.79	50	PASS
Band26	3MHz	QPSK	26740	15RB#0	21.97	50	PASS
Band26	3MHz	QPSK	26775	1RB#0	23.08	50	PASS
Band26	3MHz	QPSK	26775	1RB#8	22.88	50	PASS
Band26	3MHz	QPSK	26775	1RB#14	22.80	50	PASS
Band26	3MHz	QPSK	26775	15RB#0	22.13	50	PASS
Band26	3MHz	16QAM	26705	1RB#0	21.71	50	PASS
Band26	3MHz	16QAM	26705	1RB#8	21.71	50	PASS
Band26	3MHz	16QAM	26705	1RB#14	21.85	50	PASS
Band26	3MHz	16QAM	26705	15RB#0	20.94	50	PASS
Band26	3MHz	16QAM	26740	1RB#0	22.21	50	PASS
Band26	3MHz	16QAM	26740	1RB#8	21.69	50	PASS
Band26	3MHz	16QAM	26740	1RB#14	21.57	50	PASS
Band26	3MHz	16QAM	26740	15RB#0	20.94	50	PASS
Band26	3MHz	16QAM	26775	1RB#0	21.83	50	PASS
Band26	3MHz	16QAM	26775	1RB#8	22.22	50	PASS
Band26	3MHz	16QAM	26775	1RB#14	21.78	50	PASS
Band26	3MHz	16QAM	26775	15RB#0	21.15	50	PASS
Band26	5MHz	QPSK	26715	1RB#0	22.60	50	PASS
Band26	5MHz	QPSK	26715	1RB#12	22.79	50	PASS
Band26	5MHz	QPSK	26715	1RB#24	22.78	50	PASS
Band26	5MHz	QPSK	26715	25RB#0	21.93	50	PASS
Band26	5MHz	QPSK	26740	1RB#0	22.75	50	PASS
Band26	5MHz	QPSK	26740	1RB#12	23.06	50	PASS
Band26	5MHz	QPSK	26740	1RB#24	22.83	50	PASS
Band26	5MHz	QPSK	26740	25RB#0	21.93	50	PASS
Band26	5MHz	QPSK	26765	1RB#0	22.84	50	PASS
Band26	5MHz	QPSK	26765	1RB#12	22.97	50	PASS
Band26	5MHz	QPSK	26765	1RB#24	22.87	50	PASS



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Band26	5MHz	QPSK	26765	25RB#0	22.03	50	PASS
Band26	5MHz	16QAM	26715	1RB#0	21.69	50	PASS
Band26	5MHz	16QAM	26715	1RB#12	21.81	50	PASS
Band26	5MHz	16QAM	26715	1RB#24	21.90	50	PASS
Band26	5MHz	16QAM	26715	25RB#0	21.01	50	PASS
Band26	5MHz	16QAM	26740	1RB#0	21.81	50	PASS
Band26	5MHz	16QAM	26740	1RB#12	21.87	50	PASS
Band26	5MHz	16QAM	26740	1RB#24	21.82	50	PASS
Band26	5MHz	16QAM	26740	25RB#0	20.92	50	PASS
Band26	5MHz	16QAM	26765	1RB#0	21.62	50	PASS
Band26	5MHz	16QAM	26765	1RB#12	21.89	50	PASS
Band26	5MHz	16QAM	26765	1RB#24	21.77	50	PASS
Band26	5MHz	16QAM	26765	25RB#0	21.00	50	PASS
Band26	10MHz	QPSK	26740	1RB#0	22.59	50	PASS
Band26	10MHz	QPSK	26740	1RB#24	22.81	50	PASS
Band26	10MHz	QPSK	26740	1RB#49	22.89	50	PASS
Band26	10MHz	QPSK	26740	50RB#0	21.98	50	PASS
Band26	10MHz	16QAM	26740	1RB#0	21.65	50	PASS
Band26	10MHz	16QAM	26740	1RB#24	21.85	50	PASS
Band26	10MHz	16QAM	26740	1RB#49	22.21	50	PASS
Band26	10MHz	16QAM	26740	50RB#0	20.92	50	PASS



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Field Strength of Spurious Radiation

Test Band = LTE Band26_10M_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	1629.1429	93.77	-48.25	25.36	-24.37	-13.00	11.37	256	282	Horizontal
2	2443.7700	86.15	-47.37	27.59	-28.90	-13.00	15.90	142	28	Horizontal
3	3258.3600	66.68	-46.52	29.61	-45.49	-13.00	32.49	133	4	Horizontal
4	4072.9500	69.72	-45.98	30.91	-40.61	-13.00	27.61	285	337	Horizontal
5	4887.5400	62.00	-45.59	32.57	-46.28	-13.00	33.28	126	354	Horizontal
6	5702.1300	58.48	-44.57	33.39	-47.96	-13.00	34.96	291	282	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	1629.1429	93.77	-48.25	25.36	-24.37	-13.00	11.37	254	130	Vertical
2	2443.7700	83.43	-47.37	27.59	-31.62	-13.00	18.62	136	130	Vertical
3	3258.3600	65.48	-46.52	29.61	-46.69	-13.00	33.69	266	90	Vertical
4	4072.9500	70.01	-45.98	30.91	-40.32	-13.00	27.32	152	36	Vertical
5	4887.5400	61.19	-45.59	32.57	-47.09	-13.00	34.09	148	280	Vertical
6	5702.1300	55.46	-44.57	33.39	-50.98	-13.00	37.98	122	50	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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