

# Appendix B.9

## 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	22.45	50	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	22.89	50	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	22.48	50	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	21.69	50	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	22.73	50	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	22.78	50	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	22.66	50	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	21.76	50	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	22.96	50	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	22.83	50	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	22.86	50	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	21.88	50	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	21.49	50	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	21.47	50	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	21.48	50	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	20.69	50	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	21.49	50	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	21.57	50	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	21.71	50	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	20.72	50	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	21.79	50	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	21.64	50	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	21.53	50	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	20.86	50	PASS
Band26	3MHz	QPSK	26705	1RB#0	22.56	50	PASS
Band26	3MHz	QPSK	26705	1RB#8	22.6	50	PASS
Band26	3MHz	QPSK	26705	1RB#14	22.8	50	PASS



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Band26	3MHz	QPSK	26705	15RB#0	21.83	50	PASS
Band26	3MHz	QPSK	26740	1RB#0	22.7	50	PASS
Band26	3MHz	QPSK	26740	1RB#8	22.72	50	PASS
Band26	3MHz	QPSK	26740	1RB#14	22.76	50	PASS
Band26	3MHz	QPSK	26740	15RB#0	21.87	50	PASS
Band26	3MHz	QPSK	26775	1RB#0	22.77	50	PASS
Band26	3MHz	QPSK	26775	1RB#8	22.96	50	PASS
Band26	3MHz	QPSK	26775	1RB#14	22.88	50	PASS
Band26	3MHz	QPSK	26775	15RB#0	21.87	50	PASS
Band26	3MHz	16QAM	26705	1RB#0	21.62	50	PASS
Band26	3MHz	16QAM	26705	1RB#8	21.61	50	PASS
Band26	3MHz	16QAM	26705	1RB#14	21.64	50	PASS
Band26	3MHz	16QAM	26705	15RB#0	20.66	50	PASS
Band26	3MHz	16QAM	26740	1RB#0	21.68	50	PASS
Band26	3MHz	16QAM	26740	1RB#8	21.5	50	PASS
Band26	3MHz	16QAM	26740	1RB#14	21.77	50	PASS
Band26	3MHz	16QAM	26740	15RB#0	21.02	50	PASS
Band26	3MHz	16QAM	26775	1RB#0	21.69	50	PASS
Band26	3MHz	16QAM	26775	1RB#8	21.59	50	PASS
Band26	3MHz	16QAM	26775	1RB#14	21.61	50	PASS
Band26	3MHz	16QAM	26775	15RB#0	20.98	50	PASS
Band26	5MHz	QPSK	26715	1RB#0	22.51	50	PASS
Band26	5MHz	QPSK	26715	1RB#12	22.78	50	PASS
Band26	5MHz	QPSK	26715	1RB#24	22.59	50	PASS
Band26	5MHz	QPSK	26715	25RB#0	21.95	50	PASS
Band26	5MHz	QPSK	26740	1RB#0	22.67	50	PASS
Band26	5MHz	QPSK	26740	1RB#12	22.74	50	PASS
Band26	5MHz	QPSK	26740	1RB#24	22.62	50	PASS
Band26	5MHz	QPSK	26740	25RB#0	21.82	50	PASS
Band26	5MHz	QPSK	26765	1RB#0	22.92	50	PASS
Band26	5MHz	QPSK	26765	1RB#12	22.83	50	PASS
Band26	5MHz	QPSK	26765	1RB#24	22.92	50	PASS



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Band26	5MHz	QPSK	26765	25RB#0	21.96	50	PASS
Band26	5MHz	16QAM	26715	1RB#0	21.37	50	PASS
Band26	5MHz	16QAM	26715	1RB#12	21.56	50	PASS
Band26	5MHz	16QAM	26715	1RB#24	21.37	50	PASS
Band26	5MHz	16QAM	26715	25RB#0	20.81	50	PASS
Band26	5MHz	16QAM	26740	1RB#0	21.55	50	PASS
Band26	5MHz	16QAM	26740	1RB#12	21.45	50	PASS
Band26	5MHz	16QAM	26740	1RB#24	21.51	50	PASS
Band26	5MHz	16QAM	26740	25RB#0	20.94	50	PASS
Band26	5MHz	16QAM	26765	1RB#0	22.27	50	PASS
Band26	5MHz	16QAM	26765	1RB#12	21.54	50	PASS
Band26	5MHz	16QAM	26765	1RB#24	22.19	50	PASS
Band26	5MHz	16QAM	26765	25RB#0	21.07	50	PASS
Band26	10MHz	QPSK	26740	1RB#0	22.49	50	PASS
Band26	10MHz	QPSK	26740	1RB#24	22.59	50	PASS
Band26	10MHz	QPSK	26740	1RB#49	22.57	50	PASS
Band26	10MHz	QPSK	26740	50RB#0	21.74	50	PASS
Band26	10MHz	16QAM	26740	1RB#0	21.21	50	PASS
Band26	10MHz	16QAM	26740	1RB#24	21.38	50	PASS
Band26	10MHz	16QAM	26740	1RB#49	21.43	50	PASS
Band26	10MHz	16QAM	26740	27RB#0	20.36	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	66.24	-48.25	25.36	-51.90	-13.00	38.90	145	171	Horizontal
2	2444	49.57	-47.37	27.59	-65.48	-13.00	52.48	169	130	Horizontal
3	3258.2857	55.98	-46.52	29.61	-56.19	-13.00	43.19	192	360	Horizontal
4	4073.1429	48.61	-45.98	30.91	-61.72	-13.00	48.72	175	342	Horizontal
5	4887.4286	46.39	-45.59	32.56	-61.89	-13.00	48.89	142	91	Horizontal
6	6916	41.68	-44.07	35.98	-61.67	-13.00	48.67	133	263	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	63.63	-48.25	25.36	-54.51	-13.00	41.51	195	322	Vertical
2	2444	50.01	-47.37	27.59	-65.04	-13.00	52.04	144	148	Vertical
3	3312	55.19	-46.66	29.54	-57.19	-13.00	44.19	175	4	Vertical
4	4072.5714	50.34	-45.98	30.91	-59.99	-13.00	46.99	136	347	Vertical
5	4887.4286	48.94	-45.59	32.56	-59.34	-13.00	46.34	256	356	Vertical
6	7400	41.32	-43.26	36.49	-60.71	-13.00	47.71	191	322	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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