

# Appendix B.8

## LTE Band 26(814-824)



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## Transmitter Conducted Power Output

Test for Spot check the max BW power:

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Limit (dBm)	Verdict
Band26	10MHz	QPSK	26740	1RB#0	22.32	50	PASS
Band26	10MHz	QPSK	26740	1RB#25	22.64	50	PASS
Band26	10MHz	QPSK	26740	1RB#49	22.36	50	PASS
Band26	10MHz	QPSK	26740	25RB#0	21.53	50	PASS
Band26	10MHz	QPSK	26740	25RB#13	21.53	50	PASS
Band26	10MHz	QPSK	26740	25RB#25	21.42	50	PASS
Band26	10MHz	QPSK	26740	50RB#0	21.37	50	PASS



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## Field Strength of Spurious Radiation

### Test for spot check:

Test Band = LTE Band 26 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	1629.18	64.16	-48.44	25.59	-53.95	-13.00	40.95	174	357	Horizontal
2	2443.77	44.42	-47.22	27.79	-70.27	-13.00	57.27	211	346	Horizontal
3	3258.36	50.92	-46.18	29.50	-61.02	-13.00	48.02	203	3	Horizontal
4	4072.95	43.28	-45.43	30.72	-66.70	-13.00	53.70	159	357	Horizontal
5	4887.54	38.83	-45.08	32.33	-69.18	-13.00	56.18	263	97	Horizontal
6	5702.13	40.84	-43.56	33.25	-64.73	-13.00	51.73	284	268	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	60.25	-48.44	25.59	-57.86	-13.00	44.86	185	65	Vertical
2	2443.77	43.61	-47.22	27.79	-71.08	-13.00	58.08	137	359	Vertical
3	3258.36	54.61	-46.18	29.50	-57.33	-13.00	44.33	169	96	Vertical
4	4072.95	42.73	-45.43	30.72	-67.25	-13.00	54.25	251	33	Vertical
5	4887.54	38.99	-45.08	32.33	-69.02	-13.00	56.02	266	352	Vertical
6	5702.13	40.26	-43.56	33.25	-65.31	-13.00	52.31	184	359	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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