

# Appendix B.11

## LTE Band 26(814-824)



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## Transmitter Conducted Power Output

B26\_10MHz\_ERP

Test ResultAnt0

Band: 26 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	819	1	0	23.67	2.87	/	<=38.45	Pass
			25	23.69	2.87	/	<=38.45	Pass
			49	23.67	2.87	/	<=38.45	Pass
		25	0	22.81	2.87	/	<=38.45	Pass
			13	22.82	2.87	/	<=38.45	Pass
			25	22.80	2.87	/	<=38.45	Pass
		50	0	22.78	2.87	/	<=38.45	Pass



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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.  
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Member of the SGS Group (SGS SA)

### Field Strength of Spurious Radiation (Worse)

Test Band = LTE Band 26 10M\_ 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	44.89	-49.87	25.22	-75.02	-13.00	62.02	Horizontal
2	2443.77	44.81	-49.22	27.23	-72.44	-13.00	59.44	Horizontal
3	3258.36	44.99	-48.63	28.60	-70.29	-13.00	57.29	Horizontal
4	4072.95	43.46	-48.28	29.53	-70.55	-13.00	57.55	Horizontal
5	4887.54	42.57	-48.15	31.23	-69.61	-13.00	56.61	Horizontal
6	5702.13	42.92	-47.50	32.74	-67.10	-13.00	54.10	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1629.18	45.44	-49.87	25.22	-74.47	-13.00	61.47	Vertical
2	2443.77	43.90	-49.22	27.23	-73.35	-13.00	60.35	Vertical
3	3258.36	43.79	-48.63	28.60	-71.49	-13.00	58.49	Vertical
4	4072.95	43.47	-48.28	29.53	-70.54	-13.00	57.54	Vertical
5	4887.54	43.23	-48.15	31.23	-68.95	-13.00	55.95	Vertical
6	5702.13	42.15	-47.50	32.74	-67.87	-13.00	54.87	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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