

Appendix B.12

LTE Band 26(824-849)



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Effective (Isotropic) Radiated Power Output Data

B26_15MHz_ERP

Test ResultAnt0

Band: 26 / Bandwidth: 15MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	821.5	1	0	22.65	2.87	23.37	<=38.45	Pass	
			38	22.69	2.87	23.41	<=38.45	Pass	
			74	22.69	2.87	23.41	<=38.45	Pass	
		36	0	21.81	2.87	22.53	<=38.45	Pass	
			18	21.81	2.87	22.53	<=38.45	Pass	
			39	21.87	2.87	22.59	<=38.45	Pass	
		75	0	21.81	2.87	22.53	<=38.45	Pass	
			1	0	22.65	2.87	23.37	<=38.45	Pass
				38	22.68	2.87	23.4	<=38.45	Pass
	74	22.67		2.87	23.39	<=38.45	Pass		
	831.5	36	0	21.77	2.87	22.49	<=38.45	Pass	
			18	21.76	2.87	22.48	<=38.45	Pass	
			39	21.74	2.87	22.46	<=38.45	Pass	
		75	0	21.73	2.87	22.45	<=38.45	Pass	
			1	0	22.63	2.87	23.35	<=38.45	Pass
				38	22.55	2.87	23.27	<=38.45	Pass
	74	22.48		2.87	23.2	<=38.45	Pass		
	841.5	36	0	21.73	2.87	22.45	<=38.45	Pass	
			18	21.74	2.87	22.46	<=38.45	Pass	
			39	21.68	2.87	22.4	<=38.45	Pass	
		75	0	21.54	2.87	22.26	<=38.45	Pass	

Note1: ERP=Conducted Power+Antenna Gain-2.15



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Member of the SGS Group (SGS SA)

Field Strength of Spurious Radiation (Worse)

Test Band = LTE Band 26_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.68	52.22	-49.83	25.30	-67.57	-13.00	54.57	Horizontal
2	2474.52	44.03	-49.05	27.27	-73.01	-13.00	60.01	Horizontal
3	3299.36	44.24	-48.63	28.62	-71.03	-13.00	58.03	Horizontal
4	4124.2	43.17	-48.28	29.62	-70.75	-13.00	57.75	Horizontal
5	4949.04	42.81	-48.07	31.38	-69.14	-13.00	56.14	Horizontal
6	5773.88	43.10	-47.66	32.75	-67.07	-13.00	54.07	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.68	51.85	-49.83	25.30	-67.94	-13.00	54.94	Vertical
2	2474.52	44.22	-49.05	27.27	-72.82	-13.00	59.82	Vertical
3	3299.36	44.87	-48.63	28.62	-70.40	-13.00	57.40	Vertical
4	4124.2	42.59	-48.28	29.62	-71.33	-13.00	58.33	Vertical
5	4949.04	43.39	-48.07	31.38	-68.56	-13.00	55.56	Vertical
6	5773.88	42.63	-47.66	32.75	-67.54	-13.00	54.54	Vertical



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Test Band = LTE Band 26_ 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	1659.68	52.17	-49.80	25.34	-67.55	-13.00	54.55	Horizontal
2	2489.52	44.64	-48.96	27.29	-72.29	-13.00	59.29	Horizontal
3	3319.36	44.82	-48.64	28.63	-70.45	-13.00	57.45	Horizontal
4	4149.2	43.59	-48.31	29.67	-70.31	-13.00	57.31	Horizontal
5	4979.04	42.35	-48.00	31.45	-69.46	-13.00	56.46	Horizontal
6	5805.88	42.71	-47.68	32.76	-67.47	-13.00	54.47	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1659.68	54.23	-49.80	25.34	-65.49	-13.00	52.49	Vertical
2	2489.52	44.71	-48.96	27.29	-72.22	-13.00	59.22	Vertical
3	3319.36	44.51	-48.64	28.63	-70.76	-13.00	57.76	Vertical
4	4149.2	43.26	-48.31	29.67	-70.64	-13.00	57.64	Vertical
5	4979.04	42.89	-48.00	31.45	-68.92	-13.00	55.92	Vertical
6	5805.88	43.40	-47.68	32.76	-66.78	-13.00	53.78	Vertical



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Test Band = LTE Band 26_ TM1

Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1669.68	49.04	-49.78	25.38	-70.62	-13.00	57.62	Horizontal
2	2504.52	45.12	-48.91	27.31	-71.74	-13.00	58.74	Horizontal
3	3339.36	44.63	-48.65	28.64	-70.65	-13.00	57.65	Horizontal
4	4174.2	43.67	-48.33	29.71	-70.21	-13.00	57.21	Horizontal
5	5009.04	42.60	-47.96	31.52	-69.09	-13.00	56.09	Horizontal
6	5843.88	42.93	-47.41	32.77	-66.97	-13.00	53.97	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1669.68	48.37	-49.78	25.38	-71.29	-13.00	58.29	Vertical
2	2504.52	44.28	-48.91	27.31	-72.58	-13.00	59.58	Vertical
3	3339.36	43.93	-48.65	28.64	-71.35	-13.00	58.35	Vertical
4	4174.2	43.77	-48.33	29.71	-70.11	-13.00	57.11	Vertical
5	5009.04	43.03	-47.96	31.52	-68.66	-13.00	55.66	Vertical
6	5843.88	42.60	-47.41	32.77	-67.30	-13.00	54.30	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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