

Appendix B.10

LTE Band 25



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Effective (Isotropic) Radiated Power Output Data

B25_20MHz_EIRP

Test ResultAnt0

Band: 25 / Bandwidth: 20MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1860	1	0	23.21	0.25	23.46	<=33.00	Pass	
			50	23.34	0.25	23.59	<=33.00	Pass	
			99	23.3	0.25	23.55	<=33.00	Pass	
		50	0	22.29	0.25	22.54	<=33.00	Pass	
			25	22.37	0.25	22.62	<=33.00	Pass	
			50	22.29	0.25	22.54	<=33.00	Pass	
		100	0	22.34	0.25	22.59	<=33.00	Pass	
		1882.5	1	0	23.3	0.25	23.55	<=33.00	Pass
				50	23.33	0.25	23.58	<=33.00	Pass
	99			23.22	0.25	23.47	<=33.00	Pass	
	50		0	22.46	0.25	22.71	<=33.00	Pass	
			25	22.5	0.25	22.75	<=33.00	Pass	
			50	22.41	0.25	22.66	<=33.00	Pass	
	100		0	22.45	0.25	22.7	<=33.00	Pass	
	1905		1	0	23.29	0.25	23.54	<=33.00	Pass
				50	23.24	0.25	23.49	<=33.00	Pass
		99		23.18	0.25	23.43	<=33.00	Pass	
		50	0	22.34	0.25	22.59	<=33.00	Pass	
			25	22.3	0.25	22.55	<=33.00	Pass	
			50	22.3	0.25	22.55	<=33.00	Pass	
		100	0	22.32	0.25	22.57	<=33.00	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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Member of the SGS Group (SGS SA)

Field Strength of Spurious Radiation (Worse)

Test Band = LTE Band 25_ 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	3702.18	43.39	-48.50	28.98	-71.39	-13.00	58.39	Horizontal
2	5553.27	43.35	-47.66	32.71	-66.86	-13.00	53.86	Horizontal
3	7404.36	41.73	-46.17	36.57	-63.13	-13.00	50.13	Horizontal
4	9255.45	40.13	-43.17	37.83	-60.47	-13.00	47.47	Horizontal
5	11106.54	36.17	-40.36	39.38	-60.07	-13.00	47.07	Horizontal
6	12957.63	36.50	-39.41	38.63	-59.54	-13.00	46.54	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.18	43.20	-48.50	28.98	-71.58	-13.00	58.58	Vertical
2	5553.27	43.08	-47.66	32.71	-67.13	-13.00	54.13	Vertical
3	7404.36	41.92	-46.17	36.57	-62.94	-13.00	49.94	Vertical
4	9255.45	40.75	-43.17	37.83	-59.85	-13.00	46.85	Vertical
5	11106.54	36.35	-40.36	39.38	-59.89	-13.00	46.89	Vertical
6	12957.63	35.49	-39.41	38.63	-60.55	-13.00	47.55	Vertical



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Test Band = LTE Band 25_ 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	3742.18	43.91	-48.37	29.04	-70.68	-13.00	57.68	Horizontal
2	5613.27	42.46	-47.67	32.72	-67.75	-13.00	54.75	Horizontal
3	7484.36	40.16	-46.17	36.76	-64.51	-13.00	51.51	Horizontal
4	9355.45	39.77	-42.97	37.92	-60.54	-13.00	47.54	Horizontal
5	11226.54	36.65	-40.37	39.35	-59.63	-13.00	46.63	Horizontal
6	13097.63	35.69	-38.42	38.83	-59.16	-13.00	46.16	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.18	43.55	-48.37	29.04	-71.04	-13.00	58.04	Vertical
2	5613.27	42.48	-47.67	32.72	-67.73	-13.00	54.73	Vertical
3	7484.36	40.08	-46.17	36.76	-64.59	-13.00	51.59	Vertical
4	9355.45	39.44	-42.97	37.92	-60.87	-13.00	47.87	Vertical
5	11226.54	37.25	-40.37	39.35	-59.03	-13.00	46.03	Vertical
6	13097.63	35.13	-38.42	38.83	-59.72	-13.00	46.72	Vertical



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Test Band = LTE Band 25_ 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	3792.18	43.91	-48.20	29.11	-70.44	-13.00	57.44	Horizontal
2	5688.27	42.79	-47.51	32.74	-67.25	-13.00	54.25	Horizontal
3	7584.36	39.97	-44.81	36.70	-63.41	-13.00	50.41	Horizontal
4	9480.45	38.66	-42.50	38.03	-61.07	-13.00	48.07	Horizontal
5	11376.54	36.38	-40.17	39.32	-59.72	-13.00	46.72	Horizontal
6	13272.63	35.59	-38.98	39.23	-59.43	-13.00	46.43	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3792.18	43.59	-48.20	29.11	-70.76	-13.00	57.76	Vertical
2	5688.27	42.18	-47.51	32.74	-67.86	-13.00	54.86	Vertical
3	7584.36	40.30	-44.81	36.70	-63.08	-13.00	50.08	Vertical
4	9480.45	38.83	-42.50	38.03	-60.90	-13.00	47.90	Vertical
5	11376.54	36.99	-40.17	39.32	-59.11	-13.00	46.11	Vertical
6	13272.63	36.76	-38.98	39.23	-58.26	-13.00	45.26	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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