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Appendix B.10

LTE Band 26 (824-849)



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band26	1.4MHz	QPSK	26797	1RB#0	22.84	23.88	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#2	22.94	23.98	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#5	22.82	23.86	38.45	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	21.81	22.85	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	22.74	23.78	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#2	22.84	23.88	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#5	22.71	23.75	38.45	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	21.83	22.87	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	22.61	23.65	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#2	22.8	23.84	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	22.58	23.62	38.45	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	21.74	22.78	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	22.08	23.12	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#2	22.24	23.28	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#5	22.08	23.12	38.45	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	20.95	21.99	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	21.96	23	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#2	22.01	23.05	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#5	21.85	22.89	38.45	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	20.86	21.9	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	21.79	22.83	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#2	21.99	23.03	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#5	21.76	22.8	38.45	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	20.89	21.93	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#0	22.8	23.84	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#8	22.83	23.87	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#14	22.74	23.78	38.45	PASS
Band26	3MHz	QPSK	26805	15RB#0	21.84	22.88	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#0	22.85	23.89	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#8	22.83	23.87	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#14	22.77	23.81	38.45	PASS



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Band26	3MHz	QPSK	26915	15RB#0	21.87	22.91	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#0	22.76	23.8	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#8	22.83	23.87	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#14	22.64	23.68	38.45	PASS
Band26	3MHz	QPSK	27025	15RB#0	21.82	22.86	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#0	22.16	23.2	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#8	22.19	23.23	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#14	22.1	23.14	38.45	PASS
Band26	3MHz	16QAM	26805	15RB#0	20.89	21.93	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#0	22.19	23.23	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#8	22.05	23.09	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#14	21.88	22.92	38.45	PASS
Band26	3MHz	16QAM	26915	15RB#0	20.9	21.94	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#0	22.06	23.1	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#8	21.93	22.97	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#14	21.97	23.01	38.45	PASS
Band26	3MHz	16QAM	27025	15RB#0	20.84	21.88	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#0	22.82	23.86	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#12	22.88	23.92	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#24	22.83	23.87	38.45	PASS
Band26	5MHz	QPSK	26815	25RB#0	21.91	22.95	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#0	22.87	23.91	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#12	22.78	23.82	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#24	22.72	23.76	38.45	PASS
Band26	5MHz	QPSK	26915	25RB#0	21.8	22.84	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#0	22.83	23.87	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#12	22.74	23.78	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#24	22.65	23.69	38.45	PASS
Band26	5MHz	QPSK	27015	25RB#0	21.79	22.83	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#0	22	23.04	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#12	22.17	23.21	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#24	22.12	23.16	38.45	PASS
Band26	5MHz	16QAM	26815	25RB#0	20.9	21.94	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#0	22.04	23.08	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#12	22.07	23.11	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#24	21.99	23.03	38.45	PASS
Band26	5MHz	16QAM	26915	25RB#0	20.87	21.91	38.45	PASS



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Band26	5MHz	16QAM	27015	1RB#0	22.19	23.23	38.45	PASS	
Band26	5MHz	16QAM	27015	1RB#12	22.1	23.14	38.45	PASS	
Band26	5MHz	16QAM	27015	1RB#24	21.94	22.98	38.45	PASS	
Band26	5MHz	16QAM	27015	25RB#0	20.88	21.92	38.45	PASS	
Band26	10MHz	QPSK	26840	1RB#0	22.91	23.95	38.45	PASS	
Band26	10MHz	QPSK	26840	1RB#24	22.91	23.95	38.45	PASS	
Band26	10MHz	QPSK	26840	1RB#49	22.71	23.75	38.45	PASS	
Band26	10MHz	QPSK	26840	50RB#0	21.79	22.83	38.45	PASS	
Band26	10MHz	QPSK	26915	1RB#0	22.8	23.84	38.45	PASS	
Band26	10MHz	QPSK	26915	1RB#24	22.81	23.85	38.45	PASS	
Band26	10MHz	QPSK	26915	1RB#49	22.76	23.8	38.45	PASS	
Band26	10MHz	QPSK	26915	50RB#0	21.81	22.85	38.45	PASS	
Band26	10MHz	QPSK	26990	1RB#0	22.82	23.86	38.45	PASS	
Band26	10MHz	QPSK	26990	1RB#24	22.75	23.79	38.45	PASS	
Band26	10MHz	QPSK	26990	1RB#49	22.68	23.72	38.45	PASS	
Band26	10MHz	QPSK	26990	50RB#0	21.84	22.88	38.45	PASS	
Band26	10MHz	16QAM	26840	1RB#0	22.23	23.27	38.45	PASS	
Band26	10MHz	16QAM	26840	1RB#24	22.12	23.16	38.45	PASS	
Band26	10MHz	16QAM	26840	1RB#49	22.15	23.19	38.45	PASS	
Band26	10MHz	16QAM	26840	50RB#0	20.85	21.89	38.45	PASS	
Band26	10MHz	16QAM	26915	1RB#0	22.12	23.16	38.45	PASS	
Band26	10MHz	16QAM	26915	1RB#24	22.04	23.08	38.45	PASS	
Band26	10MHz	16QAM	26915	1RB#49	22	23.04	38.45	PASS	
Band26	10MHz	16QAM	26915	50RB#0	20.95	21.99	38.45	PASS	
Band26	10MHz	16QAM	26990	1RB#0	22.12	23.16	38.45	PASS	
Band26	10MHz	16QAM	26990	1RB#24	22.07	23.11	38.45	PASS	
Band26	10MHz	16QAM	26990	1RB#49	21.93	22.97	38.45	PASS	
Band26	10MHz	16QAM	26990	50RB#0	20.92	21.96	38.45	PASS	
Band26	15MHz	QPSK	26865	1RB#0	22.82	23.86	38.45	PASS	
Band26	15MHz	QPSK	26865	1RB#38	22.88	23.92	38.45	PASS	
Band26	15MHz	QPSK	26865	1RB#74	22.73	23.77	38.45	PASS	
Band26	15MHz	QPSK	26865	75RB#0	21.89	22.93	38.45	PASS	
Band26	15MHz	QPSK	26915	1RB#0	22.91	23.95	38.45	PASS	
Band26	15MHz	QPSK	26915	1RB#38	22.75	23.79	38.45	PASS	
Band26	15MHz	QPSK	26915	1RB#74	22.74	23.78	38.45	PASS	
Band26	15MHz	QPSK	26915	75RB#0	21.79	22.83	38.45	PASS	
Band26	15MHz	QPSK	26965	1RB#0	22.84	23.88	38.45	PASS	



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Band26	15MHz	QPSK	26965	1RB#38	22.88	23.92	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#74	22.83	23.87	38.45	PASS
Band26	15MHz	QPSK	26965	75RB#0	21.86	22.9	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#0	22.12	23.16	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#38	22.17	23.21	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#74	21.95	22.99	38.45	PASS
Band26	15MHz	16QAM	26865	75RB#0	20.89	21.93	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#0	22.15	23.19	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#38	22.18	23.22	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#74	21.95	22.99	38.45	PASS
Band26	15MHz	16QAM	26915	75RB#0	20.88	21.92	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#0	22.14	23.18	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#38	22.07	23.11	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#74	21.95	22.99	38.45	PASS
Band26	15MHz	16QAM	26965	75RB#0	20.82	21.86	38.45	PASS



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Field Strength of Spurious Radiation

Test Band = LTE Band 26_ TM1 Test Channel = Low Channel

Final	Final Data List												
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity					
1	1649.68	45.57	-49.83	25.30	-74.22	-13.00	61.22	Horizontal					
2	2474.52	44.46	-49.05	27.27	-72.58	-13.00	59.58	Horizontal					
3	3299.36	44.50	-48.63	28.62	-70.77	-13.00	57.77	Horizontal					
4	4124.2	43.06	-48.28	29.62	-70.86	-13.00	57.86	Horizontal					
5	4949.04	43.61	-48.07	31.38	-68.34	-13.00	55.34	Horizontal					
6	5773.88	43.45	-47.66	32.75	-66.72	-13.00	53.72	Horizontal					

Final	Final Data List												
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity					
1	1649.68	44.77	-49.83	25.30	-75.02	-13.00	62.02	Vertical					
2	2474.52	43.91	-49.05	27.27	-73.13	-13.00	60.13	Vertical					
3	3299.36	45.03	-48.63	28.62	-70.24	-13.00	57.24	Vertical					
4	4124.2	42.94	-48.28	29.62	-70.98	-13.00	57.98	Vertical					
5	4949.04	43.31	-48.07	31.38	-68.64	-13.00	55.64	Vertical					
6	5773.88	43.77	-47.66	32.75	-66.40	-13.00	53.40	Vertical					



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Test Band = LTE Band 26_ TM1 Test Channel = Mid Channel

Final	Final Data List												
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity					
1	1659.68	44.98	-49.80	25.34	-74.74	-13.00	61.74	Horizontal					
2	2489.52	44.38	-48.96	27.29	-72.55	-13.00	59.55	Horizontal					
3	3319.36	44.23	-48.64	28.63	-71.04	-13.00	58.04	Horizontal					
4	4149.2	43.25	-48.31	29.67	-70.65	-13.00	57.65	Horizontal					
5	4979.04	43.59	-48.00	31.45	-68.22	-13.00	55.22	Horizontal					
6	5805.88	43.86	-47.68	32.76	-66.32	-13.00	53.32	Horizontal					

Final	Final Data List												
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity					
1	1659.68	45.26	-49.80	25.34	-74.46	-13.00	61.46	Vertical					
2	2489.52	44.06	-48.96	27.29	-72.87	-13.00	59.87	Vertical					
3	3319.36	44.89	-48.64	28.63	-70.38	-13.00	57.38	Vertical					
4	4149.2	43.19	-48.31	29.67	-70.71	-13.00	57.71	Vertical					
5	4979.04	43.31	-48.00	31.45	-68.50	-13.00	55.50	Vertical					
6	5805.88	42.86	-47.68	32.76	-67.32	-13.00	54.32	Vertical					



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Test Band = LTE Band 26_ TM1 **Test Channel = High Channel**

Final	Final Data List												
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity					
1	1669.68	50.78	-49.78	25.38	-68.88	-13.00	55.88	Horizontal					
2	2504.52	45.92	-48.91	27.31	-70.94	-13.00	57.94	Horizontal					
3	3339.36	44.26	-48.65	28.64	-71.02	-13.00	58.02	Horizontal					
4	4174.2	44.04	-48.33	29.71	-69.84	-13.00	56.84	Horizontal					
5	5009.04	43.50	-47.96	31.52	-68.19	-13.00	55.19	Horizontal					
6	5843.88	43.81	-47.41	32.77	-66.09	-13.00	53.09	Horizontal					

Final	Final Data List												
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity					
1	1669.68	45.87	-49.78	25.38	-73.79	-13.00	60.79	Vertical					
2	2504.52	44.82	-48.91	27.31	-72.04	-13.00	59.04	Vertical					
3	3339.36	44.22	-48.65	28.64	-71.06	-13.00	58.06	Vertical					
4	4174.2	43.42	-48.33	29.71	-70.46	-13.00	57.46	Vertical					
5	5009.04	43.47	-47.96	31.52	-68.22	-13.00	55.22	Vertical					
6	5843.88	43.52	-47.41	32.77	-66.38	-13.00	53.38	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

2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---



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