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Appendix B.7

LTE Band 25



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	22.7	26.27	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	23.16	26.73	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	22.5	26.07	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	21.88	25.45	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	22.6	26.17	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	22.57	26.14	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	22.49	26.06	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	21.6	25.17	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	22.31	25.88	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	22.43	26	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	22.41	25.98	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	21.57	25.14	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	21.72	25.29	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	21.63	25.2	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	21.76	25.33	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	20.72	24.29	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	21.45	25.02	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	21.48	25.05	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	21.32	24.89	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	20.44	24.01	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	21.25	24.82	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	21.33	24.9	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	21.26	24.83	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	20.33	23.9	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	22.97	26.54	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#8	22.94	26.51	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	22.91	26.48	33.00	PASS



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Band25	3MHz	QPSK	26055	15RB#0	21.94	25.51	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	22.71	26.28	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#8	22.45	26.02	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	22.6	26.17	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	21.68	25.25	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	22.39	25.96	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#8	22.8	26.37	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	22.65	26.22	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	21.52	25.09	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	21.79	25.36	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#8	21.54	25.11	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	21.73	25.3	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	20.79	24.36	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#0	21.3	24.87	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#8	21.32	24.89	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	21.15	24.72	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	20.4	23.97	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	21.33	24.9	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#8	21.35	24.92	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	21.46	25.03	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	20.58	24.15	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	22.83	26.4	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#12	23.21	26.78	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	22.95	26.52	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	21.84	25.41	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	22.66	26.23	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#12	22.66	26.23	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	22.6	26.17	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	21.78	25.35	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	22.35	25.92	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#12	22.65	26.22	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#24	22.76	26.33	33.00	PASS



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Band25	5MHz	QPSK	26665	25RB#0	21.42	24.99	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	21.68	25.25	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#12	21.87	25.44	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	21.47	25.04	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	20.71	24.28	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	21.38	24.95	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#12	21.06	24.63	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	21.16	24.73	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	20.67	24.24	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	21.25	24.82	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#12	21.29	24.86	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	21.27	24.84	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	20.63	24.2	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	22.8	26.37	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#24	23.01	26.58	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	22.93	26.5	33.00	PASS
Band25	10MHz	QPSK	26090	50RB#0	22.04	25.61	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	22.74	26.31	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#24	22.56	26.13	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#49	22.52	26.09	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	21.64	25.21	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	22.75	26.32	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#24	22.39	25.96	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	22.52	26.09	33.00	PASS
Band25	10MHz	QPSK	26640	50RB#0	21.57	25.14	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	21.37	24.94	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#24	21.74	25.31	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	21.59	25.16	33.00	PASS
Band25	10MHz	16QAM	26090	27RB#0	20.95	24.52	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	21.57	25.14	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#24	21.36	24.93	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	21.42	24.99	33.00	PASS



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Band25	10MHz	16QAM	26365	27RB#0	20.63	24.2	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	21.5	25.07	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#24	21.3	24.87	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	21.43	25	33.00	PASS
Band25	10MHz	16QAM	26640	27RB#0	20.54	24.11	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	22.85	26.42	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	22.85	26.42	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	22.84	26.41	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	21.92	25.49	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	22.72	26.29	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	22.74	26.31	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	22.52	26.09	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	21.71	25.28	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	22.47	26.04	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	22.39	25.96	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#74	22.76	26.33	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	21.49	25.06	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	21.26	24.83	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	21.61	25.18	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	21.5	25.07	33.00	PASS
Band25	15MHz	16QAM	26115	27RB#0	20.73	24.3	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	20.89	24.46	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	21.22	24.79	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	21.54	25.11	33.00	PASS
Band25	15MHz	16QAM	26365	27RB#0	20.81	24.38	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	21.03	24.6	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	21.1	24.67	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	21.31	24.88	33.00	PASS
Band25	15MHz	16QAM	26615	27RB#0	20.56	24.13	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	22.75	26.32	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#49	22.84	26.41	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	22.57	26.14	33.00	PASS



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Band25	20MHz	QPSK	26140	100RB#0	21.82	25.39	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#0	22.52	26.09	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#49	22.79	26.36	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	22.43	26	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	21.65	25.22	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	22.37	25.94	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#49	22.65	26.22	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#99	22.59	26.16	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	21.48	25.05	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	21.62	25.19	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#49	21.64	25.21	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	21.64	25.21	33.00	PASS
Band25	20MHz	16QAM	26140	27RB#0	20.79	24.36	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	20.78	24.35	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#49	21.35	24.92	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	21.49	25.06	33.00	PASS
Band25	20MHz	16QAM	26365	27RB#0	20.72	24.29	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	20.86	24.43	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#49	21.56	25.13	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	21.21	24.78	33.00	PASS
Band25	20MHz	16QAM	26590	27RB#0	20.54	24.11	33.00	PASS



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Field Strength of Spurious Radiation

Test Band = LTE Band 25 20MHz _ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702	60.71	-45.69	29.88	-50.36	-13.00	37.36	217	127	Horizontal
2	5553	58.80	-43.87	32.77	-47.56	-13.00	34.56	149	313	Horizontal
3	7404.36	46.26	-41.96	36.44	-54.52	-13.00	41.52	236	263	Horizontal
4	9255.45	36.55	-38.39	38.57	-58.53	-13.00	45.53	288	111	Horizontal
5	11106.54	32.94	-35.35	39.49	-58.18	-13.00	45.18	146	243	Horizontal
6	12957.63	33.53	-34.89	39.56	-57.07	-13.00	44.07	219	127	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	3702	62.58	-45.69	29.88	-48.49	-13.00	35.49	139	245	Vertical
2	5553.27	57.44	-43.87	32.77	-48.92	-13.00	35.92	287	357	Vertical
3	7404.36	40.46	-41.96	36.44	-60.32	-13.00	47.32	146	228	Vertical
4	9255.45	33.94	-38.39	38.57	-61.14	-13.00	48.14	229	209	Vertical
5	11106.54	33.34	-35.35	39.49	-57.78	-13.00	44.78	284	159	Vertical
6	12957.63	33.13	-34.89	39.56	-57.47	-13.00	44.47	170	4	Vertical



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Test Band = LTE Band 25_20MHz _ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.18	57.87	-45.59	29.98	-52.99	-13.00	39.99	219	263	Horizontal
2	5613.27	60.59	-43.84	32.96	-45.55	-13.00	32.55	203	60	Horizontal
3	7484.36	43.14	-41.66	36.49	-57.29	-13.00	44.29	157	282	Horizontal
4	9355.45	41.47	-38.26	38.56	-53.49	-13.00	40.49	186	196	Horizontal
5	11226.54	34.90	-35.07	39.37	-56.05	-13.00	43.05	243	246	Horizontal
6	13097.63	32.36	-34.47	39.66	-57.71	-13.00	44.71	144	111	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	5613	61.15	-43.84	32.96	-44.99	-13.00	31.99	136	1	Vertical
2	3742.18	59.22	-45.59	29.98	-51.64	-13.00	38.64	262	245	Vertical
3	7484.36	40.17	-41.66	36.49	-60.26	-13.00	47.26	143	211	Vertical
4	9355.45	35.85	-38.26	38.56	-59.11	-13.00	46.11	285	261	Vertical
5	11226.54	34.29	-35.07	39.37	-56.66	-13.00	43.66	194	144	Vertical
6	13097.63	34.24	-34.47	39.66	-55.83	-13.00	42.83	132	228	Vertical



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Test Band = LTE Band 25_20MHz _ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3792	57.00	-45.45	30.10	-53.61	-13.00	40.61	146	60	Horizontal
2	5688	61.43	-43.75	33.20	-44.38	-13.00	31.38	239	310	Horizontal
3	7584.36	42.62	-41.31	36.67	-57.28	-13.00	44.28	271	243	Horizontal
4	9480.45	40.76	-38.15	38.55	-54.10	-13.00	41.10	149	127	Horizontal
5	11376.54	32.11	-35.48	39.22	-59.41	-13.00	46.41	286	160	Horizontal
6	13272.63	31.57	-35.12	39.76	-59.04	-13.00	46.04	162	77	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	3792	58.49	-45.45	30.10	-52.12	-13.00	39.12	149	259	Vertical
2	5688	60.21	-43.75	33.20	-45.60	-13.00	32.60	231	0	Vertical
3	7584.36	39.34	-41.31	36.67	-60.56	-13.00	47.56	162	25	Vertical
4	9480.45	37.54	-38.15	38.55	-57.32	-13.00	44.32	197	210	Vertical
5	11376.54	32.39	-35.48	39.22	-59.13	-13.00	46.13	286	227	Vertical
6	13272.63	31.92	-35.12	39.76	-58.69	-13.00	45.69	190	210	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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