

Appendix B.8

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	22.5	26.32	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	22.82	26.64	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	22.66	26.48	33	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	21.99	25.81	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.2	27.02	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.2	27.02	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	22.99	26.81	33	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.2	26.02	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	23.07	26.89	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	22.6	26.42	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	21.85	25.67	33	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	22.23	26.05	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	21.68	25.5	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	21.61	25.43	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	21.82	25.64	33	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	21.04	24.86	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	21.99	25.81	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	21.9	25.72	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	21.78	25.6	33	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.21	25.03	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	22.44	26.26	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	21.99	25.81	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	21.2	25.02	33	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	21.54	25.36	33	PASS
Band25	3MHz	QPSK	26055	1RB#0	22.76	26.58	33	PASS
Band25	3MHz	QPSK	26055	1RB#8	22.9	26.72	33	PASS
Band25	3MHz	QPSK	26055	1RB#14	23.06	26.88	33	PASS



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Band25	3MHz	QPSK	26055	15RB#0	22.18	26	33	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.27	27.09	33	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.17	26.99	33	PASS
Band25	3MHz	QPSK	26365	1RB#14	20.69	24.51	33	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.06	25.88	33	PASS
Band25	3MHz	QPSK	26675	1RB#0	23.63	27.45	33	PASS
Band25	3MHz	QPSK	26675	1RB#8	23.37	27.19	33	PASS
Band25	3MHz	QPSK	26675	1RB#14	21.97	25.79	33	PASS
Band25	3MHz	QPSK	26675	15RB#0	22.91	26.73	33	PASS
Band25	3MHz	16QAM	26055	1RB#0	21.91	25.73	33	PASS
Band25	3MHz	16QAM	26055	1RB#8	21.81	25.63	33	PASS
Band25	3MHz	16QAM	26055	1RB#14	21.99	25.81	33	PASS
Band25	3MHz	16QAM	26055	15RB#0	21.14	24.96	33	PASS
Band25	3MHz	16QAM	26365	1RB#0	21.97	25.79	33	PASS
Band25	3MHz	16QAM	26365	1RB#8	22.04	25.86	33	PASS
Band25	3MHz	16QAM	26365	1RB#14	20.58	24.4	33	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.22	25.04	33	PASS
Band25	3MHz	16QAM	26675	1RB#0	22.41	26.23	33	PASS
Band25	3MHz	16QAM	26675	1RB#8	22.51	26.33	33	PASS
Band25	3MHz	16QAM	26675	1RB#14	21.32	25.14	33	PASS
Band25	3MHz	16QAM	26675	15RB#0	21.86	25.68	33	PASS
Band25	5MHz	QPSK	26065	1RB#0	22.78	26.6	33	PASS
Band25	5MHz	QPSK	26065	1RB#12	23.1	26.92	33	PASS
Band25	5MHz	QPSK	26065	1RB#24	23.06	26.88	33	PASS
Band25	5MHz	QPSK	26065	25RB#0	22.2	26.02	33	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.19	27.01	33	PASS
Band25	5MHz	QPSK	26365	1RB#12	23.47	27.29	33	PASS
Band25	5MHz	QPSK	26365	1RB#24	23.11	26.93	33	PASS
Band25	5MHz	QPSK	26365	25RB#0	22.33	26.15	33	PASS
Band25	5MHz	QPSK	26665	1RB#0	23.43	27.25	33	PASS
Band25	5MHz	QPSK	26665	1RB#12	23.77	27.59	33	PASS
Band25	5MHz	QPSK	26665	1RB#24	21.84	25.66	33	PASS



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Band25	5MHz	QPSK	26665	25RB#0	22.78	26.6	33	PASS
Band25	5MHz	16QAM	26065	1RB#0	21.72	25.54	33	PASS
Band25	5MHz	16QAM	26065	1RB#12	21.89	25.71	33	PASS
Band25	5MHz	16QAM	26065	1RB#24	21.85	25.67	33	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.21	25.03	33	PASS
Band25	5MHz	16QAM	26365	1RB#0	22.01	25.83	33	PASS
Band25	5MHz	16QAM	26365	1RB#12	21.9	25.72	33	PASS
Band25	5MHz	16QAM	26365	1RB#24	22.02	25.84	33	PASS
Band25	5MHz	16QAM	26365	25RB#0	21.39	25.21	33	PASS
Band25	5MHz	16QAM	26665	1RB#0	22.09	25.91	33	PASS
Band25	5MHz	16QAM	26665	1RB#12	22.45	26.27	33	PASS
Band25	5MHz	16QAM	26665	1RB#24	21.3	25.12	33	PASS
Band25	5MHz	16QAM	26665	25RB#0	21.83	25.65	33	PASS
Band25	10MHz	QPSK	26090	1RB#0	22.96	26.78	33	PASS
Band25	10MHz	QPSK	26090	1RB#24	23.2	27.02	33	PASS
Band25	10MHz	QPSK	26090	1RB#49	23.13	26.95	33	PASS
Band25	10MHz	QPSK	26090	50RB#0	22.29	26.11	33	PASS
Band25	10MHz	QPSK	26365	1RB#0	23.12	26.94	33	PASS
Band25	10MHz	QPSK	26365	1RB#24	23.47	27.29	33	PASS
Band25	10MHz	QPSK	26365	1RB#49	23.27	27.09	33	PASS
Band25	10MHz	QPSK	26365	50RB#0	22.34	26.16	33	PASS
Band25	10MHz	QPSK	26640	1RB#0	20.36	24.18	33	PASS
Band25	10MHz	QPSK	26640	1RB#24	23.21	27.03	33	PASS
Band25	10MHz	QPSK	26640	1RB#49	22.26	26.08	33	PASS
Band25	10MHz	QPSK	26640	50RB#0	22.49	26.31	33	PASS
Band25	10MHz	16QAM	26090	1RB#0	21.82	25.64	33	PASS
Band25	10MHz	16QAM	26090	1RB#24	22.08	25.9	33	PASS
Band25	10MHz	16QAM	26090	1RB#49	21.98	25.8	33	PASS
Band25	10MHz	16QAM	26090	27RB#0	20.44	24.26	33	PASS
Band25	10MHz	16QAM	26365	1RB#0	22.07	25.89	33	PASS
Band25	10MHz	16QAM	26365	1RB#24	22.02	25.84	33	PASS
Band25	10MHz	16QAM	26365	1RB#49	22.18	26	33	PASS



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Band25	10MHz	16QAM	26365	27RB#0	20.36	24.18	33	PASS
Band25	10MHz	16QAM	26640	1RB#0	21.94	25.76	33	PASS
Band25	10MHz	16QAM	26640	1RB#24	22.01	25.83	33	PASS
Band25	10MHz	16QAM	26640	1RB#49	21.56	25.38	33	PASS
Band25	10MHz	16QAM	26640	27RB#0	20.52	24.34	33	PASS
Band25	15MHz	QPSK	26115	1RB#0	22.75	26.57	33	PASS
Band25	15MHz	QPSK	26115	1RB#38	22.92	26.74	33	PASS
Band25	15MHz	QPSK	26115	1RB#74	23.01	26.83	33	PASS
Band25	15MHz	QPSK	26115	75RB#0	22.25	26.07	33	PASS
Band25	15MHz	QPSK	26365	1RB#0	23.01	26.83	33	PASS
Band25	15MHz	QPSK	26365	1RB#38	23.36	27.18	33	PASS
Band25	15MHz	QPSK	26365	1RB#74	23.39	27.21	33	PASS
Band25	15MHz	QPSK	26365	75RB#0	22.31	26.13	33	PASS
Band25	15MHz	QPSK	26615	1RB#0	23.05	26.87	33	PASS
Band25	15MHz	QPSK	26615	1RB#38	23.48	27.3	33	PASS
Band25	15MHz	QPSK	26615	1RB#74	21.64	25.46	33	PASS
Band25	15MHz	QPSK	26615	75RB#0	22.53	26.35	33	PASS
Band25	15MHz	16QAM	26115	1RB#0	21.72	25.54	33	PASS
Band25	15MHz	16QAM	26115	1RB#38	22.03	25.85	33	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.22	26.04	33	PASS
Band25	15MHz	16QAM	26115	27RB#0	20.45	24.27	33	PASS
Band25	15MHz	16QAM	26365	1RB#0	22.06	25.88	33	PASS
Band25	15MHz	16QAM	26365	1RB#38	22.1	25.92	33	PASS
Band25	15MHz	16QAM	26365	1RB#74	22.32	26.14	33	PASS
Band25	15MHz	16QAM	26365	27RB#0	20.36	24.18	33	PASS
Band25	15MHz	16QAM	26615	1RB#0	22.18	26	33	PASS
Band25	15MHz	16QAM	26615	1RB#38	22.5	26.32	33	PASS
Band25	15MHz	16QAM	26615	1RB#74	20.93	24.75	33	PASS
Band25	15MHz	16QAM	26615	27RB#0	20.41	24.23	33	PASS
Band25	20MHz	QPSK	26140	1RB#0	22.69	26.51	33	PASS
Band25	20MHz	QPSK	26140	1RB#49	23.15	26.97	33	PASS
Band25	20MHz	QPSK	26140	1RB#99	22.95	26.77	33	PASS



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Band25	20MHz	QPSK	26140	100RB#0	22.29	26.11	33	PASS
Band25	20MHz	QPSK	26365	1RB#0	23.08	26.9	33	PASS
Band25	20MHz	QPSK	26365	1RB#49	23.59	27.41	33	PASS
Band25	20MHz	QPSK	26365	1RB#99	23.3	27.12	33	PASS
Band25	20MHz	QPSK	26365	100RB#0	22.3	26.12	33	PASS
Band25	20MHz	QPSK	26590	1RB#0	23.04	26.86	33	PASS
Band25	20MHz	QPSK	26590	1RB#49	23.21	27.03	33	PASS
Band25	20MHz	QPSK	26590	1RB#99	21.72	25.54	33	PASS
Band25	20MHz	QPSK	26590	100RB#0	22.51	26.33	33	PASS
Band25	20MHz	16QAM	26140	1RB#0	21.74	25.56	33	PASS
Band25	20MHz	16QAM	26140	1RB#49	21.95	25.77	33	PASS
Band25	20MHz	16QAM	26140	1RB#99	22.01	25.83	33	PASS
Band25	20MHz	16QAM	26140	27RB#0	20.45	24.27	33	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.42	26.24	33	PASS
Band25	20MHz	16QAM	26365	1RB#49	21.99	25.81	33	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.22	26.04	33	PASS
Band25	20MHz	16QAM	26365	27RB#0	20.52	24.34	33	PASS
Band25	20MHz	16QAM	26590	1RB#0	22.08	25.9	33	PASS
Band25	20MHz	16QAM	26590	1RB#49	22.09	25.91	33	PASS
Band25	20MHz	16QAM	26590	1RB#99	20.95	24.77	33	PASS
Band25	20MHz	16QAM	26590	27RB#0	20.36	24.18	33	PASS



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Field Strength of Spurious Radiation

Test Band = LTE Band25_ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3312	51.53	-46.44	29.54	-60.63	-13.00	47.63	248	256	Horizontal
2	3702	85.27	-45.51	29.98	-25.52	-13.00	12.52	156	286	Horizontal
3	5553	75.12	-45.15	32.97	-32.32	-13.00	19.32	192	29	Horizontal
4	7404	57.85	-43.40	36.49	-44.32	-13.00	31.32	142	58	Horizontal
5	9255.75	50.98	-40.23	38.38	-46.13	-13.00	33.13	135	0	Horizontal
6	11106.75	48.11	-37.93	39.09	-45.99	-13.00	32.99	182	7	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	3312	54.96	-46.44	29.54	-57.20	-13.00	44.20	145	3	Vertical
2	3702	85.89	-45.51	29.98	-24.90	-13.00	11.90	185	357	Vertical
3	5553	74.57	-45.15	32.97	-32.87	-13.00	19.87	165	317	Vertical
4	7404	60.89	-43.40	36.49	-41.28	-13.00	28.28	145	0	Vertical
5	9255	50.80	-40.23	38.38	-46.31	-13.00	33.31	192	330	Vertical
6	11106.75	45.50	-37.93	39.09	-48.60	-13.00	35.60	188	0	Vertical



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Test Band = LTE Band25_ TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3312	50.87	-46.44	29.54	-61.29	-13.00	48.29	155	255	Horizontal
2	3741.75	80.71	-45.68	30.12	-30.11	-13.00	17.11	185	270	Horizontal
3	5613	67.79	-45.04	33.07	-39.44	-13.00	26.44	133	14	Horizontal
4	7484.25	63.86	-43.18	36.45	-38.13	-13.00	25.13	265	344	Horizontal
5	9355.5	55.41	-40.00	38.46	-41.40	-13.00	28.40	291	73	Horizontal
6	11226.75	46.39	-37.40	39.11	-47.16	-13.00	34.16	175	255	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	3742.5	80.84	-45.68	30.12	-29.98	-13.00	16.98	154	331	Vertical
2	5613	66.22	-45.04	33.07	-41.01	-13.00	28.01	198	317	Vertical
3	7484.25	65.29	-43.18	36.45	-36.70	-13.00	23.70	175	166	Vertical
4	9355.5	58.03	-40.00	38.46	-38.78	-13.00	25.78	146	74	Vertical
5	11226.75	48.29	-37.40	39.11	-45.26	-13.00	32.26	192	357	Vertical
6	14968.5	41.34	-34.65	39.29	-49.28	-13.00	36.28	135	120	Vertical



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Test Band = LTE Band25_ TM1

Test Channel = High

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	79.06	-45.89	30.30	-31.79	-13.00	18.79	248	301	Horizontal
2	5688	56.46	-44.88	33.34	-50.34	-13.00	37.34	195	286	Horizontal
3	7584	62.44	-42.96	36.40	-39.39	-13.00	26.39	175	344	Horizontal
4	9480	51.88	-40.15	38.47	-45.06	-13.00	32.06	146	73	Horizontal
5	11376.75	42.99	-37.38	39.11	-50.54	-13.00	37.54	236	0	Horizontal
6	15168.75	38.66	-34.24	38.99	-51.85	-13.00	38.85	255	330	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	77.65	-45.89	30.30	-33.20	-13.00	20.20	154	269	Vertical
2	5688	62.81	-44.88	33.34	-43.99	-13.00	30.99	126	255	Vertical
3	7584	62.46	-42.96	36.40	-39.37	-13.00	26.37	195	0	Vertical
4	9480.75	52.11	-40.15	38.47	-44.83	-13.00	31.83	185	102	Vertical
5	11376.75	42.21	-37.38	39.11	-51.32	-13.00	38.32	175	0	Vertical
6	15168.75	43.01	-34.24	38.99	-47.50	-13.00	34.50	143	346	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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