

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	23.23	25.29	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	23.15	25.21	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	23.03	25.09	33	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	22.23	24.29	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	22.86	24.92	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.04	25.10	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	22.91	24.97	33	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.08	24.14	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	22.67	24.73	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	22.75	24.81	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	22.55	24.61	33	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	21.76	23.82	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	21.93	23.99	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	22.03	24.09	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.03	24.09	33	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	21.26	23.32	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	21.85	23.91	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	21.77	23.83	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	21.81	23.87	33	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.06	23.12	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	21.52	23.58	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	21.61	23.67	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	21.62	23.68	33	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	20.61	22.67	33	PASS
Band25	3MHz	QPSK	26055	1RB#0	23.13	25.19	33	PASS
Band25	3MHz	QPSK	26055	1RB#8	22.91	24.97	33	PASS
Band25	3MHz	QPSK	26055	1RB#14	23.14	25.20	33	PASS



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Band25	3MHz	QPSK	26055	15RB#0	22.14	24.20	33	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.16	25.22	33	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.07	25.13	33	PASS
Band25	3MHz	QPSK	26365	1RB#14	23.15	25.21	33	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.03	24.09	33	PASS
Band25	3MHz	QPSK	26675	1RB#0	22.96	25.02	33	PASS
Band25	3MHz	QPSK	26675	1RB#8	22.84	24.90	33	PASS
Band25	3MHz	QPSK	26675	1RB#14	22.82	24.88	33	PASS
Band25	3MHz	QPSK	26675	15RB#0	21.89	23.95	33	PASS
Band25	3MHz	16QAM	26055	1RB#0	21.81	23.87	33	PASS
Band25	3MHz	16QAM	26055	1RB#8	21.82	23.88	33	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.10	24.16	33	PASS
Band25	3MHz	16QAM	26055	15RB#0	21.12	23.18	33	PASS
Band25	3MHz	16QAM	26365	1RB#0	21.92	23.98	33	PASS
Band25	3MHz	16QAM	26365	1RB#8	21.68	23.74	33	PASS
Band25	3MHz	16QAM	26365	1RB#14	21.80	23.86	33	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.12	23.18	33	PASS
Band25	3MHz	16QAM	26675	1RB#0	21.78	23.84	33	PASS
Band25	3MHz	16QAM	26675	1RB#8	21.53	23.59	33	PASS
Band25	3MHz	16QAM	26675	1RB#14	21.79	23.85	33	PASS
Band25	3MHz	16QAM	26675	15RB#0	20.88	22.94	33	PASS
Band25	5MHz	QPSK	26065	1RB#0	22.95	25.01	33	PASS
Band25	5MHz	QPSK	26065	1RB#12	23.01	25.07	33	PASS
Band25	5MHz	QPSK	26065	1RB#24	23.17	25.23	33	PASS
Band25	5MHz	QPSK	26065	25RB#0	22.00	24.06	33	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.19	25.25	33	PASS
Band25	5MHz	QPSK	26365	1RB#12	23.14	25.20	33	PASS
Band25	5MHz	QPSK	26365	1RB#24	23.04	25.10	33	PASS
Band25	5MHz	QPSK	26365	25RB#0	21.89	23.95	33	PASS
Band25	5MHz	QPSK	26665	1RB#0	22.74	24.80	33	PASS
Band25	5MHz	QPSK	26665	1RB#12	23.01	25.07	33	PASS
Band25	5MHz	QPSK	26665	1RB#24	22.82	24.88	33	PASS



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Band25	5MHz	QPSK	26665	25RB#0	21.90	23.96	33	PASS
Band25	5MHz	16QAM	26065	1RB#0	21.89	23.95	33	PASS
Band25	5MHz	16QAM	26065	1RB#12	21.49	23.55	33	PASS
Band25	5MHz	16QAM	26065	1RB#24	21.96	24.02	33	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.06	23.12	33	PASS
Band25	5MHz	16QAM	26365	1RB#0	21.73	23.79	33	PASS
Band25	5MHz	16QAM	26365	1RB#12	21.65	23.71	33	PASS
Band25	5MHz	16QAM	26365	1RB#24	21.78	23.84	33	PASS
Band25	5MHz	16QAM	26365	25RB#0	21.06	23.12	33	PASS
Band25	5MHz	16QAM	26665	1RB#0	21.55	23.61	33	PASS
Band25	5MHz	16QAM	26665	1RB#12	21.73	23.79	33	PASS
Band25	5MHz	16QAM	26665	1RB#24	21.62	23.68	33	PASS
Band25	5MHz	16QAM	26665	25RB#0	20.83	22.89	33	PASS
Band25	10MHz	QPSK	26090	1RB#0	23.25	25.31	33	PASS
Band25	10MHz	QPSK	26090	1RB#24	23.12	25.18	33	PASS
Band25	10MHz	QPSK	26090	1RB#49	23.06	25.12	33	PASS
Band25	10MHz	QPSK	26090	50RB#0	22.22	24.28	33	PASS
Band25	10MHz	QPSK	26365	1RB#0	23.02	25.08	33	PASS
Band25	10MHz	QPSK	26365	1RB#24	23.30	25.36	33	PASS
Band25	10MHz	QPSK	26365	1RB#49	23.09	25.15	33	PASS
Band25	10MHz	QPSK	26365	50RB#0	22.09	24.15	33	PASS
Band25	10MHz	QPSK	26640	1RB#0	23.02	25.08	33	PASS
Band25	10MHz	QPSK	26640	1RB#24	22.83	24.89	33	PASS
Band25	10MHz	QPSK	26640	1RB#49	22.82	24.88	33	PASS
Band25	10MHz	QPSK	26640	50RB#0	21.80	23.86	33	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.07	24.13	33	PASS
Band25	10MHz	16QAM	26090	1RB#24	22.09	24.15	33	PASS
Band25	10MHz	16QAM	26090	1RB#49	21.98	24.04	33	PASS
Band25	10MHz	16QAM	26090	50RB#0	21.04	23.10	33	PASS
Band25	10MHz	16QAM	26365	1RB#0	21.85	23.91	33	PASS
Band25	10MHz	16QAM	26365	1RB#24	21.90	23.96	33	PASS
Band25	10MHz	16QAM	26365	1RB#49	21.80	23.86	33	PASS



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Band25	10MHz	16QAM	26365	50RB#0	21.14	23.20	33	PASS
Band25	10MHz	16QAM	26640	1RB#0	21.86	23.92	33	PASS
Band25	10MHz	16QAM	26640	1RB#24	21.72	23.78	33	PASS
Band25	10MHz	16QAM	26640	1RB#49	21.70	23.76	33	PASS
Band25	10MHz	16QAM	26640	50RB#0	20.90	22.96	33	PASS
Band25	15MHz	QPSK	26115	1RB#0	23.06	25.12	33	PASS
Band25	15MHz	QPSK	26115	1RB#38	23.19	25.25	33	PASS
Band25	15MHz	QPSK	26115	1RB#74	22.97	25.03	33	PASS
Band25	15MHz	QPSK	26115	75RB#0	22.12	24.18	33	PASS
Band25	15MHz	QPSK	26365	1RB#0	23.10	25.16	33	PASS
Band25	15MHz	QPSK	26365	1RB#38	22.99	25.05	33	PASS
Band25	15MHz	QPSK	26365	1RB#74	22.92	24.98	33	PASS
Band25	15MHz	QPSK	26365	75RB#0	22.06	24.12	33	PASS
Band25	15MHz	QPSK	26615	1RB#0	22.90	24.96	33	PASS
Band25	15MHz	QPSK	26615	1RB#38	22.81	24.87	33	PASS
Band25	15MHz	QPSK	26615	1RB#74	22.65	24.71	33	PASS
Band25	15MHz	QPSK	26615	75RB#0	21.98	24.04	33	PASS
Band25	15MHz	16QAM	26115	1RB#0	22.02	24.08	33	PASS
Band25	15MHz	16QAM	26115	1RB#38	22.49	24.55	33	PASS
Band25	15MHz	16QAM	26115	1RB#74	21.91	23.97	33	PASS
Band25	15MHz	16QAM	26115	75RB#0	21.18	23.24	33	PASS
Band25	15MHz	16QAM	26365	1RB#0	22.02	24.08	33	PASS
Band25	15MHz	16QAM	26365	1RB#38	21.89	23.95	33	PASS
Band25	15MHz	16QAM	26365	1RB#74	21.79	23.85	33	PASS
Band25	15MHz	16QAM	26365	75RB#0	21.25	23.31	33	PASS
Band25	15MHz	16QAM	26615	1RB#0	21.73	23.79	33	PASS
Band25	15MHz	16QAM	26615	1RB#38	21.51	23.57	33	PASS
Band25	15MHz	16QAM	26615	1RB#74	21.57	23.63	33	PASS
Band25	15MHz	16QAM	26615	75RB#0	21.07	23.13	33	PASS
Band25	20MHz	QPSK	26140	1RB#0	23.06	25.12	33	PASS
Band25	20MHz	QPSK	26140	1RB#49	23.40	25.46	33	PASS
Band25	20MHz	QPSK	26140	1RB#99	22.99	25.05	33	PASS



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Band25	20MHz	QPSK	26140	100RB#0	22.19	24.25	33	PASS
Band25	20MHz	QPSK	26365	1RB#0	23.10	25.16	33	PASS
Band25	20MHz	QPSK	26365	1RB#49	23.08	25.14	33	PASS
Band25	20MHz	QPSK	26365	1RB#99	22.88	24.94	33	PASS
Band25	20MHz	QPSK	26365	100RB#0	22.07	24.13	33	PASS
Band25	20MHz	QPSK	26590	1RB#0	22.79	24.85	33	PASS
Band25	20MHz	QPSK	26590	1RB#49	23.00	25.06	33	PASS
Band25	20MHz	QPSK	26590	1RB#99	22.37	24.43	33	PASS
Band25	20MHz	QPSK	26590	100RB#0	21.91	23.97	33	PASS
Band25	20MHz	16QAM	26140	1RB#0	21.80	23.86	33	PASS
Band25	20MHz	16QAM	26140	1RB#49	21.91	23.97	33	PASS
Band25	20MHz	16QAM	26140	1RB#99	21.83	23.89	33	PASS
Band25	20MHz	16QAM	26140	100RB#0	21.23	23.29	33	PASS
Band25	20MHz	16QAM	26365	1RB#0	21.89	23.95	33	PASS
Band25	20MHz	16QAM	26365	1RB#49	21.75	23.81	33	PASS
Band25	20MHz	16QAM	26365	1RB#99	21.74	23.80	33	PASS
Band25	20MHz	16QAM	26365	100RB#0	21.14	23.20	33	PASS
Band25	20MHz	16QAM	26590	1RB#0	21.64	23.70	33	PASS
Band25	20MHz	16QAM	26590	1RB#49	21.78	23.84	33	PASS
Band25	20MHz	16QAM	26590	1RB#99	21.66	23.72	33	PASS
Band25	20MHz	16QAM	26590	100RB#0	20.99	23.05	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	3702.1800	59.34	-45.51	29.98	-51.45	-13.00	38.45	214	25	Horizontal
2	5553.2700	49.71	-45.15	32.97	-57.73	-13.00	44.73	158	117	Horizontal
3	7404.3600	44.78	-43.40	36.49	-57.39	-13.00	44.39	136	238	Horizontal
4	9255.4500	37.81	-40.23	38.38	-59.30	-13.00	46.30	251	314	Horizontal
5	11106.5400	32.06	-37.93	39.09	-62.04	-13.00	49.04	145	207	Horizontal
6	12957.6300	32.89	-37.24	39.79	-59.82	-13.00	46.82	175	25	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	3702.1800	59.77	-45.51	29.98	-51.02	-13.00	38.02	214	40	Vertical
2	5553.2700	49.39	-45.15	32.97	-58.05	-13.00	45.05	174	163	Vertical
3	7404.3600	45.53	-43.40	36.49	-56.64	-13.00	43.64	185	14	Vertical
4	9255.4500	38.30	-40.23	38.38	-58.81	-13.00	45.81	169	117	Vertical
5	11106.5400	31.47	-37.93	39.09	-62.63	-13.00	49.63	291	163	Vertical
6	12957.6300	34.29	-37.24	39.79	-58.42	-13.00	45.42	143	208	Vertical



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

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	3742.1800	58.15	-45.68	30.12	-52.67	-13.00	39.67	219	2	Horizontal
2	5613.2700	49.50	-45.04	33.07	-57.73	-13.00	44.73	100	43	Horizontal
3	7484.3600	44.09	-43.18	36.45	-57.90	-13.00	44.90	188	332	Horizontal
4	9355.4500	38.23	-40.00	38.46	-58.58	-13.00	45.58	144	226	Horizontal
5	11226.5400	35.67	-37.40	39.11	-57.88	-13.00	44.88	205	256	Horizontal
6	13097.6300	30.90	-37.01	39.87	-61.49	-13.00	48.49	219	6	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	3742.1800	58.96	-45.68	30.12	-51.86	-13.00	38.86	214	331	Vertical
2	5613.2700	49.78	-45.04	33.07	-57.45	-13.00	44.45	185	117	Vertical
3	7484.3600	44.47	-43.18	36.45	-57.52	-13.00	44.52	169	315	Vertical
4	9355.4500	40.18	-40.00	38.46	-56.63	-13.00	43.63	142	117	Vertical
5	11226.5400	35.02	-37.40	39.11	-58.53	-13.00	45.53	175	72	Vertical
6	13097.6300	32.04	-37.01	39.87	-60.35	-13.00	47.35	144	224	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	3792.1800	54.56	-45.89	30.30	-56.29	-13.00	43.29	218	222	Horizontal
2	5688.2700	49.77	-44.87	33.34	-57.02	-13.00	44.02	199	37	Horizontal
3	7584.3600	45.31	-42.96	36.40	-56.51	-13.00	43.51	145	0	Horizontal
4	9480.4500	41.41	-40.15	38.47	-55.53	-13.00	42.53	133	2	Horizontal
5	11376.5400	35.45	-37.38	39.11	-58.08	-13.00	45.08	261	68	Horizontal
6	13272.6300	31.44	-36.97	40.00	-60.78	-13.00	47.78	154	313	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	3792.1800	55.67	-45.89	30.30	-55.18	-13.00	42.18	152	101	Vertical
2	5688.2700	48.69	-44.87	33.34	-58.10	-13.00	45.10	145	55	Vertical
3	7584.3600	45.21	-42.96	36.40	-56.61	-13.00	43.61	166	13	Vertical
4	9480.4500	41.40	-40.15	38.47	-55.54	-13.00	42.54	291	356	Vertical
5	11376.5400	34.48	-37.38	39.11	-59.05	-13.00	46.05	148	132	Vertical
6	13272.6300	31.90	-36.97	40.00	-60.32	-13.00	47.32	152	207	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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