

Appendix B.4

LTE Band 7

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.84	25.84	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.90	25.90	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.81	25.81	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.87	24.87	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.90	25.90	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.76	25.76	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.73	25.73	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.89	24.89	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.78	25.78	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.65	25.65	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.67	25.67	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.72	24.72	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.28	25.28	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.17	25.17	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.01	25.01	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.79	23.79	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.25	25.25	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.07	25.07	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.14	25.14	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.85	23.85	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.12	25.12	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.89	24.89	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.90	24.90	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.71	23.71	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.04	26.04	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.80	25.80	33	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	10MHz	QPSK	20800	1RB#49	22.96	25.96	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.85	24.85	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.00	26.00	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.86	25.86	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.90	25.90	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.95	24.95	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.08	26.08	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.74	25.74	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.60	25.60	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.80	24.80	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.25	25.25	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.06	25.06	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.07	25.07	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.88	23.88	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.32	25.32	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.22	25.22	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.32	25.32	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.86	23.86	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.40	25.40	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.08	25.08	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.20	25.20	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.76	23.76	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.80	25.80	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.91	25.91	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.89	25.89	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.90	24.90	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.97	25.97	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.87	25.87	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.83	25.83	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.96	24.96	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.90	25.90	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.80	25.80	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.73	25.73	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.88	24.88	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.35	25.35	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.18	25.18	33	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	15MHz	16QAM	20825	1RB#74	22.22	25.22	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.96	23.96	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.32	25.32	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.31	25.31	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.18	25.18	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.94	23.94	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.09	25.09	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.16	25.16	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.13	25.13	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.81	23.81	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.07	26.07	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.04	26.04	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.83	25.83	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.94	24.94	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.94	25.94	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.91	25.91	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.90	25.90	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.95	24.95	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.95	25.95	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.77	25.77	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.79	25.79	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.86	24.86	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.41	25.41	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.34	25.34	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.15	25.15	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.87	23.87	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.21	25.21	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.22	25.22	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.26	25.26	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.91	23.91	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.29	25.29	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.09	25.09	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.02	25.02	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.91	23.91	33	PASS

Field Strength of Spurious Radiation

LTE Band 7_Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.18	48.97	-48.01	31.21	-63.09	-25.00	38.09	Horizontal
2	7503.27	50.04	-46.11	36.40	-54.93	-25.00	29.93	Horizontal
3	10004.36	47.91	-41.71	38.80	-50.25	-25.00	25.25	Horizontal
4	12505.45	50.46	-39.84	39.10	-45.54	-25.00	20.54	Horizontal
5	15006.54	49.63	-38.03	40.19	-43.47	-25.00	18.47	Horizontal
6	17507.63	50.19	-36.82	41.85	-40.04	-25.00	15.04	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.18	49.44	-48.01	31.21	-62.62	-25.00	37.62	Vertical
2	7503.27	49.34	-46.11	36.40	-55.63	-25.00	30.63	Vertical
3	10004.36	48.72	-41.71	38.80	-49.44	-25.00	24.44	Vertical
4	12505.45	50.54	-39.84	39.10	-45.46	-25.00	20.46	Vertical
5	15006.54	49.89	-38.03	40.19	-43.21	-25.00	18.21	Vertical
6	17507.63	51.49	-36.82	41.85	-38.74	-25.00	13.74	Vertical

LTE Band 7_Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052.18	49.95	-47.91	31.35	-61.87	-25.00	36.87	Horizontal
2	7578.27	49.94	-44.91	36.38	-53.85	-25.00	28.85	Horizontal
3	10104.36	49.27	-41.88	38.87	-49.00	-25.00	24.00	Horizontal
4	12630.45	49.50	-39.08	39.02	-45.81	-25.00	20.81	Horizontal
5	15156.54	50.05	-37.42	39.92	-42.72	-25.00	17.72	Horizontal
6	17682.63	50.34	-37.64	42.90	-39.67	-25.00	14.67	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052.18	50.22	-47.91	31.35	-61.60	-25.00	36.60	Vertical
2	7578.27	49.24	-44.91	36.38	-54.55	-25.00	29.55	Vertical
3	10104.36	48.09	-41.88	38.87	-50.18	-25.00	25.18	Vertical
4	12630.45	50.20	-39.08	39.02	-45.11	-25.00	20.11	Vertical
5	15156.54	49.86	-37.42	39.92	-42.91	-25.00	17.91	Vertical
6	17682.63	50.49	-37.64	42.90	-39.52	-25.00	14.52	Vertical

LTE Band 7_High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5102.18	49.59	-47.82	31.49	-62.00	-25.00	37.00	Horizontal
2	7653.27	50.66	-44.91	36.37	-53.14	-25.00	28.14	Horizontal
3	10204.36	48.47	-42.10	38.94	-49.94	-25.00	24.94	Horizontal
4	12755.45	49.61	-39.29	38.95	-45.99	-25.00	20.99	Horizontal
5	15306.54	50.96	-37.87	39.65	-42.52	-25.00	17.52	Horizontal
6	17857.63	50.42	-36.85	43.95	-37.74	-25.00	12.74	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5102.18	50.50	-47.82	31.49	-61.09	-25.00	36.09	Vertical
2	7653.27	49.96	-44.91	36.37	-53.84	-25.00	28.84	Vertical
3	10204.36	48.43	-42.10	38.94	-49.98	-25.00	24.98	Vertical
4	12755.45	49.28	-39.29	38.95	-46.32	-25.00	21.32	Vertical
5	15306.54	51.12	-37.87	39.65	-42.36	-25.00	17.36	Vertical
6	17857.63	50.67	-36.85	43.95	-37.49	-25.00	12.49	Vertical