

Appendix for LTE Band 7

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Appendix A: Effective (Isotropic) Radiated Power Output Data**Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.45	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.55	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.03	33	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.29	33	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.26	33	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.02	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.13	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.25	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.22	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	20.85	33	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.13	33	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.11	33	PASS
Band7	5MHz	16QAM	20775	12RB#13	19.91	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.03	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	21.46	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	21.81	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	21.41	33	PASS
Band7	5MHz	QPSK	21100	12RB#0	20.44	33	PASS
Band7	5MHz	QPSK	21100	12RB#6	20.55	33	PASS
Band7	5MHz	QPSK	21100	12RB#13	20.34	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	20.43	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	20.43	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	20.69	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	20.40	33	PASS
Band7	5MHz	16QAM	21100	12RB#0	19.53	33	PASS
Band7	5MHz	16QAM	21100	12RB#6	19.62	33	PASS
Band7	5MHz	16QAM	21100	12RB#13	19.44	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	19.50	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.00	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.31	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.00	33	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.03	33	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.06	33	PASS
Band7	5MHz	QPSK	21425	12RB#13	20.93	33	PASS

Band7	5MHz	QPSK	21425	25RB#0	20.96	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	20.89	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.33	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	20.81	33	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.00	33	PASS
Band7	5MHz	16QAM	21425	12RB#6	19.97	33	PASS
Band7	5MHz	16QAM	21425	12RB#13	19.83	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	19.97	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.35	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.31	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.88	33	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.25	33	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.10	33	PASS
Band7	10MHz	QPSK	20800	25RB#25	20.97	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.08	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.23	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.05	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	20.81	33	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.13	33	PASS
Band7	10MHz	16QAM	20800	25RB#12	19.99	33	PASS
Band7	10MHz	16QAM	20800	25RB#25	19.86	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.00	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	21.65	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.82	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	21.61	33	PASS
Band7	10MHz	QPSK	21100	25RB#0	20.73	33	PASS
Band7	10MHz	QPSK	21100	25RB#12	20.67	33	PASS
Band7	10MHz	QPSK	21100	25RB#25	20.52	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	20.63	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	20.39	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	20.80	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	20.36	33	PASS
Band7	10MHz	16QAM	21100	25RB#0	19.75	33	PASS
Band7	10MHz	16QAM	21100	25RB#12	19.64	33	PASS
Band7	10MHz	16QAM	21100	25RB#25	19.53	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	19.65	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.03	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.33	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.07	33	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.11	33	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.11	33	PASS

Band7	10MHz	QPSK	21400	25RB#25	21.00	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.07	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	20.82	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.20	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	20.81	33	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.12	33	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.08	33	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.01	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.06	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.34	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.12	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.84	33	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.19	33	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.23	33	PASS
Band7	15MHz	QPSK	20825	38RB#37	21.21	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.19	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.19	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	20.94	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	20.82	33	PASS
Band7	15MHz	16QAM	20825	38RB#0	21.18	33	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.09	33	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.20	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.06	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	21.55	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	21.68	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.46	33	PASS
Band7	15MHz	QPSK	21100	38RB#0	20.71	33	PASS
Band7	15MHz	QPSK	21100	38RB#18	20.75	33	PASS
Band7	15MHz	QPSK	21100	38RB#37	20.72	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	20.71	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	20.64	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	20.58	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	20.52	33	PASS
Band7	15MHz	16QAM	21100	38RB#0	20.69	33	PASS
Band7	15MHz	16QAM	21100	38RB#18	19.65	33	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.71	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	19.63	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.85	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.14	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.94	33	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.06	33	PASS

Band7	15MHz	QPSK	21375	38RB#18	21.18	33	PASS
Band7	15MHz	QPSK	21375	38RB#37	21.05	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.08	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	20.64	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.06	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	20.65	33	PASS
Band7	15MHz	16QAM	21375	38RB#0	21.08	33	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.09	33	PASS
Band7	15MHz	16QAM	21375	38RB#37	21.03	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.00	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.31	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.22	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.70	33	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.03	33	PASS
Band7	20MHz	QPSK	20850	50RB#25	20.97	33	PASS
Band7	20MHz	QPSK	20850	50RB#50	20.89	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	20.98	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.22	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.87	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	20.80	33	PASS
Band7	20MHz	16QAM	20850	50RB#0	19.97	33	PASS
Band7	20MHz	16QAM	20850	50RB#25	19.89	33	PASS
Band7	20MHz	16QAM	20850	50RB#50	19.85	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	19.93	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.53	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.75	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.36	33	PASS
Band7	20MHz	QPSK	21100	50RB#0	20.44	33	PASS
Band7	20MHz	QPSK	21100	50RB#25	20.45	33	PASS
Band7	20MHz	QPSK	21100	50RB#50	20.15	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	20.34	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	20.55	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	20.57	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	20.33	33	PASS
Band7	20MHz	16QAM	21100	50RB#0	19.48	33	PASS
Band7	20MHz	16QAM	21100	50RB#25	19.49	33	PASS
Band7	20MHz	16QAM	21100	50RB#50	19.12	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	19.29	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.42	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.31	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.73	33	PASS

Band7	20MHz	QPSK	21350	50RB#0	20.77	33	PASS
Band7	20MHz	QPSK	21350	50RB#25	20.98	33	PASS
Band7	20MHz	QPSK	21350	50RB#50	20.90	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	20.87	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	20.43	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.07	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.70	33	PASS
Band7	20MHz	16QAM	21350	50RB#0	19.77	33	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.02	33	PASS
Band7	20MHz	16QAM	21350	50RB#50	19.94	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	19.83	33	PASS

Appendix B: Peak-to-Average Ratio(CCDF)**Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	1.82	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	3.82	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	2.68	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.72	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	2.68	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.36	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	3.74	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.14	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.62	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.70	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.50	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.48	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	1.84	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	3.98	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	2.64	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	4.80	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	2.86	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.42	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.02	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.18	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.92	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.84	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.12	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.68	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	1.86	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	3.60	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	2.74	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	4.58	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	3.24	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	4.14	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	4.30	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.02	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	3.36	13	PASS

Band7	15MHz	QPSK	21375	75RB#0	4.92	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.34	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.60	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	1.70	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.58	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	3.06	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.30	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.02	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.72	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.94	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.46	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	2.60	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.00	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	3.84	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.90	13	PASS

Test Graphs







MultiView

Spectrum

RefLevel 30.00 dBm Offset 10.15 dB AnBW 10 MHz

Att 45 dB

Mean Time 1 s

SQL

1 CCDF

15s Cur

CF 2.535 GHz

Mean Pow + 20.00 dB

2 Result Summary

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	25.51 dBm	28.94 dBm	2.93 dB	1.56 dB	2.62 dB	2.86 dB	2.96 dB

10:30:24 PM 07/28/2025

MultiView

Spectrum

RefLevel 30.00 dBm Offset 10.15 dB AnBW 10 MHz

Att 45 dB

Mean Time 1 s

SQL

1 CCDF

15s Cur

CF 2.535 GHz

Mean Pow + 20.00 dB

2 Result Summary

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	24.76 dBm	30.18 dBm	5.43 dB	2.16 dB	3.66 dB	4.42 dB	4.88 dB

10:30:35 PM 07/28/2025

MultiView

Spectrum

RefLevel 30.00 dBm Offset 10.15 dB AnBW 10 MHz

Att 45 dB

Mean Time 1 s

SQL

1 CCDF

15s Cur

CF 2.535 GHz

Mean Pow + 20.00 dB

2 Result Summary

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	24.76 dBm	30.18 dBm	5.43 dB	2.16 dB	3.66 dB	4.42 dB	4.88 dB

10:30:35 PM 07/28/2025