

Appendix for LTE B5

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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
Band5	1.4MHz	QPSK	20407	1RB#0	21.56	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	21.60	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	21.50	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	21.63	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	21.58	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	21.62	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.14	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.08	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.49	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.26	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.01	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.29	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	20.63	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.19	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	21.49	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	21.58	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	21.48	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	21.45	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	21.57	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	21.55	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	20.94	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.38	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.23	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.32	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.00	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	20.74	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	20.70	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.02	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	21.75	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	21.57	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	21.69	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	21.76	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	21.69	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	21.64	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.20	38.45	PASS

Band5	1.4MHz	16QAM	20643	1RB#0	22.30	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.23	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.21	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.05	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.04	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	20.83	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.44	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	21.56	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	21.85	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	21.47	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.16	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.15	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.12	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.10	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.74	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.29	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.18	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.29	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.17	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.21	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.22	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	21.43	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	21.77	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	21.50	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	20.93	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.03	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	20.95	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.04	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.33	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.13	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.32	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.17	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.07	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.26	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	19.99	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	21.84	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	21.64	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	21.58	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.36	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.25	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.15	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.21	38.45	PASS

Band5	3MHz	16QAM	20635	1RB#0	22.26	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.33	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.21	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.52	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.51	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.34	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.56	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	21.76	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	21.48	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	21.55	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.08	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	20.97	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	20.96	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	20.89	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	20.91	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	20.87	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	20.76	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.17	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	19.98	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	19.90	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.11	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	21.60	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	21.37	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	21.54	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	20.95	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	20.91	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	20.98	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	20.95	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.15	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.50	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.15	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	19.96	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.04	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.03	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	19.86	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	21.63	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	21.63	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	21.63	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.21	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.20	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.14	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.14	38.45	PASS

Band5	5MHz	16QAM	20625	1RB#0	21.45	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.00	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.37	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.24	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.25	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.34	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.44	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	21.58	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	21.64	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	21.33	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	20.97	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	20.99	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	20.89	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	20.97	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.23	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.99	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.53	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.01	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	19.93	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.08	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.04	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	21.45	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	21.50	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	21.51	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	20.99	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	20.97	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	20.97	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	20.97	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	20.82	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.80	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	20.92	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.13	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.07	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.50	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	19.99	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	21.55	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	21.65	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	21.74	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.07	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.19	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.19	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.21	38.45	PASS

Band5	10MHz	16QAM	20600	1RB#0	21.35	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.44	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.46	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.24	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.31	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.45	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.31	38.45	PASS

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

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.42	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.47	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	6.31	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.23	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	5.38	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.48	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.99	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.25	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	5.40	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.54	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	6.22	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.26	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.53	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.60	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	6.33	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.30	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	5.42	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.58	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.97	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.26	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	5.54	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.60	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	6.36	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.35	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.68	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.55	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.95	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.17	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.48	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.53	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	6.07	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.17	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.66	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.65	13	PASS

Band5	5MHz	16QAM	20625	1RB#0	5.97	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.26	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.49	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.58	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	6.28	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.22	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.38	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.57	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.98	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.27	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	5.46	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.62	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	6.28	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.28	13	PASS

Test Graphs











