

Appendix for LTE BAND 5

Product Name: Mobile Phone

Model No: HERO

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.12	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.95	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.04	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.91	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.06	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.86	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.03	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.49	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.07	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.50	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.06	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.50	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.55	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.73	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	21.72	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.35	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	21.73	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.37	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	21.72	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.29	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	21.82	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.08	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	21.81	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.02	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	21.87	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	20.98	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.30	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.34	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	21.73	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.91	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	21.75	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.97	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	21.67	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.88	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	21.67	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	20.81	PASS

Band5	1.4MHz	QPSK	20643	3RB#1	21.70	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	20.80	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	21.73	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	20.71	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.22	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.29	PASS
Band5	3MHz	QPSK	20415	1RB#0	21.93	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.62	PASS
Band5	3MHz	QPSK	20415	1RB#8	21.86	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.57	PASS
Band5	3MHz	QPSK	20415	1RB#14	21.87	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.55	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.66	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.50	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.68	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.54	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.61	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.49	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.50	PASS
Band5	3MHz	QPSK	20525	1RB#0	21.75	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.18	PASS
Band5	3MHz	QPSK	20525	1RB#8	21.80	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.12	PASS
Band5	3MHz	QPSK	20525	1RB#14	21.81	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.12	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.30	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.48	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.30	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.48	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.24	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.29	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.18	PASS
Band5	3MHz	QPSK	20635	1RB#0	21.76	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.46	PASS
Band5	3MHz	QPSK	20635	1RB#8	21.76	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.49	PASS
Band5	3MHz	QPSK	20635	1RB#14	21.73	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.59	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.29	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.40	PASS

Band5	3MHz	QPSK	20635	8RB#4	21.20	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.39	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.21	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.41	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.19	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.34	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.00	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.49	PASS
Band5	5MHz	QPSK	20425	1RB#12	21.95	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.43	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.06	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.44	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.41	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.46	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.41	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.47	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.46	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.50	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.35	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.71	PASS
Band5	5MHz	QPSK	20525	1RB#0	21.77	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.98	PASS
Band5	5MHz	QPSK	20525	1RB#12	21.81	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.99	PASS
Band5	5MHz	QPSK	20525	1RB#24	21.74	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.95	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.34	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.41	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.34	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.42	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.32	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.38	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.20	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.33	PASS
Band5	5MHz	QPSK	20625	1RB#0	21.84	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.30	PASS
Band5	5MHz	QPSK	20625	1RB#12	21.71	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.23	PASS
Band5	5MHz	QPSK	20625	1RB#24	21.70	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.25	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.29	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.58	PASS

Band5	5MHz	QPSK	20625	12RB#6	21.15	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.60	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.29	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.29	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.15	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.36	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.39	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.97	PASS
Band5	10MHz	QPSK	20450	1RB#24	21.83	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.02	PASS
Band5	10MHz	QPSK	20450	1RB#49	21.79	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.81	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.52	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.48	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.53	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.34	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.46	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.44	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.47	PASS
Band5	10MHz	QPSK	20525	1RB#0	21.89	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.76	PASS
Band5	10MHz	QPSK	20525	1RB#24	21.66	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.70	PASS
Band5	10MHz	QPSK	20525	1RB#49	21.65	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.64	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.38	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.52	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.29	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.54	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.32	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.44	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.17	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.40	PASS
Band5	10MHz	QPSK	20600	1RB#0	21.74	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.85	PASS
Band5	10MHz	QPSK	20600	1RB#24	21.68	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.72	PASS
Band5	10MHz	QPSK	20600	1RB#49	21.70	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.75	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.35	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.37	PASS

Band5	10MHz	QPSK	20600	25RB#12	21.20	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.29	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.28	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.29	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.26	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.38	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	5.30	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.68	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.54	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.35	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	5.01	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.62	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.33	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.06	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	5.07	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.33	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.33	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.17	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.33	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.91	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.54	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.38	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	5.01	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.65	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.33	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.17	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	5.16	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.48	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.36	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.23	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.45	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.74	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.62	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.29	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.16	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.28	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.36	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.09	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.07	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.42	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.45	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.23	13	PASS

Band5	10MHz	QPSK	20450	1RB#0	5.33	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.74	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.54	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.32	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.04	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.65	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.28	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.14	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.99	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.07	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.33	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.14	13	PASS

Test Graphs



