

Appendix for LTE BAND 7

Product Name: Mobile Phone

Model No: HERO

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	20.98	PASS
Band7	5MHz	16QAM	20775	1RB#0	20.61	PASS
Band7	5MHz	QPSK	20775	1RB#12	20.98	PASS
Band7	5MHz	16QAM	20775	1RB#12	20.57	PASS
Band7	5MHz	QPSK	20775	1RB#24	20.99	PASS
Band7	5MHz	16QAM	20775	1RB#24	20.55	PASS
Band7	5MHz	QPSK	20775	12RB#0	20.46	PASS
Band7	5MHz	16QAM	20775	12RB#0	19.63	PASS
Band7	5MHz	QPSK	20775	12RB#6	20.47	PASS
Band7	5MHz	16QAM	20775	12RB#6	19.59	PASS
Band7	5MHz	QPSK	20775	12RB#13	20.48	PASS
Band7	5MHz	16QAM	20775	12RB#13	19.62	PASS
Band7	5MHz	QPSK	20775	25RB#0	20.47	PASS
Band7	5MHz	16QAM	20775	25RB#0	19.78	PASS
Band7	5MHz	QPSK	21100	1RB#0	20.77	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.20	PASS
Band7	5MHz	QPSK	21100	1RB#12	20.82	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.17	PASS
Band7	5MHz	QPSK	21100	1RB#24	20.73	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.17	PASS
Band7	5MHz	QPSK	21100	12RB#0	20.39	PASS
Band7	5MHz	16QAM	21100	12RB#0	19.69	PASS
Band7	5MHz	QPSK	21100	12RB#6	20.46	PASS
Band7	5MHz	16QAM	21100	12RB#6	19.69	PASS
Band7	5MHz	QPSK	21100	12RB#13	20.42	PASS
Band7	5MHz	16QAM	21100	12RB#13	19.64	PASS
Band7	5MHz	QPSK	21100	25RB#0	20.42	PASS
Band7	5MHz	16QAM	21100	25RB#0	19.52	PASS
Band7	5MHz	QPSK	21425	1RB#0	20.79	PASS
Band7	5MHz	16QAM	21425	1RB#0	20.41	PASS
Band7	5MHz	QPSK	21425	1RB#12	20.79	PASS
Band7	5MHz	16QAM	21425	1RB#12	20.47	PASS
Band7	5MHz	QPSK	21425	1RB#24	20.77	PASS
Band7	5MHz	16QAM	21425	1RB#24	20.45	PASS
Band7	5MHz	QPSK	21425	12RB#0	20.32	PASS
Band7	5MHz	16QAM	21425	12RB#0	19.40	PASS

Band7	5MHz	QPSK	21425	12RB#6	20.33	PASS
Band7	5MHz	16QAM	21425	12RB#6	19.41	PASS
Band7	5MHz	QPSK	21425	12RB#13	20.41	PASS
Band7	5MHz	16QAM	21425	12RB#13	19.42	PASS
Band7	5MHz	QPSK	21425	25RB#0	20.37	PASS
Band7	5MHz	16QAM	21425	25RB#0	19.56	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.02	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.27	PASS
Band7	10MHz	QPSK	20800	1RB#24	20.91	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.24	PASS
Band7	10MHz	QPSK	20800	1RB#49	20.92	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.15	PASS
Band7	10MHz	QPSK	20800	25RB#0	20.54	PASS
Band7	10MHz	16QAM	20800	25RB#0	19.65	PASS
Band7	10MHz	QPSK	20800	25RB#12	20.43	PASS
Band7	10MHz	16QAM	20800	25RB#12	19.68	PASS
Band7	10MHz	QPSK	20800	25RB#25	20.47	PASS
Band7	10MHz	16QAM	20800	25RB#25	19.71	PASS
Band7	10MHz	QPSK	20800	50RB#0	20.53	PASS
Band7	10MHz	16QAM	20800	50RB#0	19.64	PASS
Band7	10MHz	QPSK	21100	1RB#0	20.79	PASS
Band7	10MHz	16QAM	21100	1RB#0	20.97	PASS
Band7	10MHz	QPSK	21100	1RB#24	20.92	PASS
Band7	10MHz	16QAM	21100	1RB#24	20.91	PASS
Band7	10MHz	QPSK	21100	1RB#49	20.77	PASS
Band7	10MHz	16QAM	21100	1RB#49	20.79	PASS
Band7	10MHz	QPSK	21100	25RB#0	20.38	PASS
Band7	10MHz	16QAM	21100	25RB#0	19.69	PASS
Band7	10MHz	QPSK	21100	25RB#12	20.48	PASS
Band7	10MHz	16QAM	21100	25RB#12	19.70	PASS
Band7	10MHz	QPSK	21100	25RB#25	20.29	PASS
Band7	10MHz	16QAM	21100	25RB#25	19.70	PASS
Band7	10MHz	QPSK	21100	50RB#0	20.51	PASS
Band7	10MHz	16QAM	21100	50RB#0	19.64	PASS
Band7	10MHz	QPSK	21400	1RB#0	20.76	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.50	PASS
Band7	10MHz	QPSK	21400	1RB#24	20.85	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.54	PASS
Band7	10MHz	QPSK	21400	1RB#49	20.84	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.54	PASS
Band7	10MHz	QPSK	21400	25RB#0	20.27	PASS
Band7	10MHz	16QAM	21400	25RB#0	19.58	PASS

Band7	10MHz	QPSK	21400	25RB#12	20.30	PASS
Band7	10MHz	16QAM	21400	25RB#12	19.55	PASS
Band7	10MHz	QPSK	21400	25RB#25	20.32	PASS
Band7	10MHz	16QAM	21400	25RB#25	19.64	PASS
Band7	10MHz	QPSK	21400	50RB#0	20.33	PASS
Band7	10MHz	16QAM	21400	50RB#0	19.56	PASS
Band7	15MHz	QPSK	20825	1RB#0	20.93	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.28	PASS
Band7	15MHz	QPSK	20825	1RB#38	20.94	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.23	PASS
Band7	15MHz	QPSK	20825	1RB#74	20.83	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.14	PASS
Band7	15MHz	QPSK	20825	38RB#0	20.53	PASS
Band7	15MHz	16QAM	20825	38RB#0	20.55	PASS
Band7	15MHz	QPSK	20825	38RB#18	20.56	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.56	PASS
Band7	15MHz	QPSK	20825	38RB#37	20.56	PASS
Band7	15MHz	16QAM	20825	38RB#37	20.56	PASS
Band7	15MHz	QPSK	20825	75RB#0	20.55	PASS
Band7	15MHz	16QAM	20825	75RB#0	19.65	PASS
Band7	15MHz	QPSK	21100	1RB#0	20.76	PASS
Band7	15MHz	16QAM	21100	1RB#0	20.99	PASS
Band7	15MHz	QPSK	21100	1RB#38	20.52	PASS
Band7	15MHz	16QAM	21100	1RB#38	20.87	PASS
Band7	15MHz	QPSK	21100	1RB#74	20.57	PASS
Band7	15MHz	16QAM	21100	1RB#74	20.79	PASS
Band7	15MHz	QPSK	21100	38RB#0	20.42	PASS
Band7	15MHz	16QAM	21100	38RB#0	20.42	PASS
Band7	15MHz	QPSK	21100	38RB#18	20.43	PASS
Band7	15MHz	16QAM	21100	38RB#18	20.43	PASS
Band7	15MHz	QPSK	21100	38RB#37	20.43	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.43	PASS
Band7	15MHz	QPSK	21100	75RB#0	20.43	PASS
Band7	15MHz	16QAM	21100	75RB#0	19.54	PASS
Band7	15MHz	QPSK	21375	1RB#0	20.79	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.49	PASS
Band7	15MHz	QPSK	21375	1RB#38	20.75	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.53	PASS
Band7	15MHz	QPSK	21375	1RB#74	20.80	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.58	PASS
Band7	15MHz	QPSK	21375	38RB#0	20.30	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.30	PASS

Band7	15MHz	QPSK	21375	38RB#18	20.30	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.30	PASS
Band7	15MHz	QPSK	21375	38RB#37	20.30	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.30	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.30	PASS
Band7	15MHz	16QAM	21375	75RB#0	19.64	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.18	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.88	PASS
Band7	20MHz	QPSK	20850	1RB#49	21.10	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.82	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.12	PASS
Band7	20MHz	16QAM	20850	1RB#99	20.71	PASS
Band7	20MHz	QPSK	20850	50RB#0	20.51	PASS
Band7	20MHz	16QAM	20850	50RB#0	19.82	PASS
Band7	20MHz	QPSK	20850	50RB#25	20.57	PASS
Band7	20MHz	16QAM	20850	50RB#25	19.84	PASS
Band7	20MHz	QPSK	20850	50RB#50	20.52	PASS
Band7	20MHz	16QAM	20850	50RB#50	19.75	PASS
Band7	20MHz	QPSK	20850	100RB#0	20.60	PASS
Band7	20MHz	16QAM	20850	100RB#0	19.69	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.03	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.68	PASS
Band7	20MHz	QPSK	21100	1RB#49	20.95	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.50	PASS
Band7	20MHz	QPSK	21100	1RB#99	20.91	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.37	PASS
Band7	20MHz	QPSK	21100	50RB#0	20.41	PASS
Band7	20MHz	16QAM	21100	50RB#0	19.61	PASS
Band7	20MHz	QPSK	21100	50RB#25	20.38	PASS
Band7	20MHz	16QAM	21100	50RB#25	19.63	PASS
Band7	20MHz	QPSK	21100	50RB#50	20.31	PASS
Band7	20MHz	16QAM	21100	50RB#50	19.71	PASS
Band7	20MHz	QPSK	21100	100RB#0	20.49	PASS
Band7	20MHz	16QAM	21100	100RB#0	19.75	PASS
Band7	20MHz	QPSK	21350	1RB#0	20.88	PASS
Band7	20MHz	16QAM	21350	1RB#0	20.83	PASS
Band7	20MHz	QPSK	21350	1RB#49	20.83	PASS
Band7	20MHz	16QAM	21350	1RB#49	20.81	PASS
Band7	20MHz	QPSK	21350	1RB#99	20.90	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.85	PASS
Band7	20MHz	QPSK	21350	50RB#0	20.29	PASS
Band7	20MHz	16QAM	21350	50RB#0	19.60	PASS

Band7	20MHz	QPSK	21350	50RB#25	20.29	PASS
Band7	20MHz	16QAM	21350	50RB#25	19.61	PASS
Band7	20MHz	QPSK	21350	50RB#50	20.45	PASS
Band7	20MHz	16QAM	21350	50RB#50	19.67	PASS
Band7	20MHz	QPSK	21350	100RB#0	20.34	PASS
Band7	20MHz	16QAM	21350	100RB#0	19.39	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	5.42	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.74	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.48	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.23	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.59	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.88	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.59	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.32	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	5.57	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.83	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.59	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.29	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	5.39	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.88	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.54	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.29	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	5.51	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	6.06	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.59	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.38	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	5.48	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	6.06	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.59	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.32	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	5.45	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.83	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.77	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.35	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.54	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	6.03	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.83	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.38	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	5.45	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.97	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.77	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.35	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	5.25	13	PASS

Band7	20MHz	16QAM	20850	1RB#0	5.71	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.42	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.26	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	5.28	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.83	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.51	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.32	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	5.54	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.97	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.51	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.26	13	PASS

Test Graphs



