

Appendix for LTE BAND 38

Product Name: Mobile Phone

Model No: STAR

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	21.33	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.54	PASS
Band38	5MHz	QPSK	37775	1RB#12	21.33	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.43	PASS
Band38	5MHz	QPSK	37775	1RB#24	21.37	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.48	PASS
Band38	5MHz	QPSK	37775	12RB#0	20.52	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.67	PASS
Band38	5MHz	QPSK	37775	12RB#6	20.41	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.66	PASS
Band38	5MHz	QPSK	37775	12RB#13	20.48	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.55	PASS
Band38	5MHz	QPSK	37775	25RB#0	20.53	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.71	PASS
Band38	5MHz	QPSK	38000	1RB#0	21.37	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.48	PASS
Band38	5MHz	QPSK	38000	1RB#12	21.29	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.36	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.28	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.37	PASS
Band38	5MHz	QPSK	38000	12RB#0	20.43	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.42	PASS
Band38	5MHz	QPSK	38000	12RB#6	20.44	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.42	PASS
Band38	5MHz	QPSK	38000	12RB#13	20.40	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.37	PASS
Band38	5MHz	QPSK	38000	25RB#0	20.31	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.40	PASS
Band38	5MHz	QPSK	38225	1RB#0	21.48	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.37	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.27	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.19	PASS
Band38	5MHz	QPSK	38225	1RB#24	21.26	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.56	PASS
Band38	5MHz	QPSK	38225	12RB#0	20.39	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.54	PASS

Band38	5MHz	QPSK	38225	12RB#6	20.41	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.44	PASS
Band38	5MHz	QPSK	38225	12RB#13	20.30	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.41	PASS
Band38	5MHz	QPSK	38225	25RB#0	20.36	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.51	PASS
Band38	10MHz	QPSK	37800	1RB#0	21.64	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.29	PASS
Band38	10MHz	QPSK	37800	1RB#24	21.51	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.27	PASS
Band38	10MHz	QPSK	37800	1RB#49	21.61	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.23	PASS
Band38	10MHz	QPSK	37800	25RB#0	20.43	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.62	PASS
Band38	10MHz	QPSK	37800	25RB#12	20.44	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.59	PASS
Band38	10MHz	QPSK	37800	25RB#25	20.47	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.68	PASS
Band38	10MHz	QPSK	37800	50RB#0	20.52	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.77	PASS
Band38	10MHz	QPSK	38000	1RB#0	21.16	PASS
Band38	10MHz	16QAM	38000	1RB#0	20.55	PASS
Band38	10MHz	QPSK	38000	1RB#24	21.15	PASS
Band38	10MHz	16QAM	38000	1RB#24	20.43	PASS
Band38	10MHz	QPSK	38000	1RB#49	21.18	PASS
Band38	10MHz	16QAM	38000	1RB#49	20.46	PASS
Band38	10MHz	QPSK	38000	25RB#0	20.38	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.04	PASS
Band38	10MHz	QPSK	38000	25RB#12	20.32	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.94	PASS
Band38	10MHz	QPSK	38000	25RB#25	20.48	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.98	PASS
Band38	10MHz	QPSK	38000	50RB#0	20.40	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.43	PASS
Band38	10MHz	QPSK	38200	1RB#0	21.37	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.65	PASS
Band38	10MHz	QPSK	38200	1RB#24	21.34	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.79	PASS
Band38	10MHz	QPSK	38200	1RB#49	21.42	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.71	PASS
Band38	10MHz	QPSK	38200	25RB#0	20.39	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.61	PASS

Band38	10MHz	QPSK	38200	25RB#12	20.26	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.62	PASS
Band38	10MHz	QPSK	38200	25RB#25	20.30	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.53	PASS
Band38	10MHz	QPSK	38200	50RB#0	20.28	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.72	PASS
Band38	15MHz	QPSK	37825	1RB#0	21.72	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.35	PASS
Band38	15MHz	QPSK	37825	1RB#38	21.51	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.30	PASS
Band38	15MHz	QPSK	37825	1RB#74	21.47	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.17	PASS
Band38	15MHz	QPSK	37825	38RB#0	20.59	PASS
Band38	15MHz	16QAM	37825	38RB#0	20.47	PASS
Band38	15MHz	QPSK	37825	38RB#18	20.48	PASS
Band38	15MHz	16QAM	37825	38RB#18	20.48	PASS
Band38	15MHz	QPSK	37825	38RB#37	20.49	PASS
Band38	15MHz	16QAM	37825	38RB#37	20.50	PASS
Band38	15MHz	QPSK	37825	75RB#0	20.50	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.69	PASS
Band38	15MHz	QPSK	38000	1RB#0	21.60	PASS
Band38	15MHz	16QAM	38000	1RB#0	20.79	PASS
Band38	15MHz	QPSK	38000	1RB#38	21.48	PASS
Band38	15MHz	16QAM	38000	1RB#38	20.76	PASS
Band38	15MHz	QPSK	38000	1RB#74	21.51	PASS
Band38	15MHz	16QAM	38000	1RB#74	20.53	PASS
Band38	15MHz	QPSK	38000	38RB#0	20.32	PASS
Band38	15MHz	16QAM	38000	38RB#0	20.33	PASS
Band38	15MHz	QPSK	38000	38RB#18	20.33	PASS
Band38	15MHz	16QAM	38000	38RB#18	20.33	PASS
Band38	15MHz	QPSK	38000	38RB#37	20.34	PASS
Band38	15MHz	16QAM	38000	38RB#37	20.33	PASS
Band38	15MHz	QPSK	38000	75RB#0	20.34	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.63	PASS
Band38	15MHz	QPSK	38175	1RB#0	21.45	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.48	PASS
Band38	15MHz	QPSK	38175	1RB#38	21.27	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.40	PASS
Band38	15MHz	QPSK	38175	1RB#74	21.33	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.36	PASS
Band38	15MHz	QPSK	38175	38RB#0	20.40	PASS
Band38	15MHz	16QAM	38175	38RB#0	20.32	PASS

Band38	15MHz	QPSK	38175	38RB#18	20.26	PASS
Band38	15MHz	16QAM	38175	38RB#18	20.26	PASS
Band38	15MHz	QPSK	38175	38RB#37	20.27	PASS
Band38	15MHz	16QAM	38175	38RB#37	20.27	PASS
Band38	15MHz	QPSK	38175	75RB#0	20.27	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.46	PASS
Band38	20MHz	QPSK	37850	1RB#0	21.31	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.22	PASS
Band38	20MHz	QPSK	37850	1RB#49	21.15	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.22	PASS
Band38	20MHz	QPSK	37850	1RB#99	21.17	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.02	PASS
Band38	20MHz	QPSK	37850	50RB#0	20.58	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.86	PASS
Band38	20MHz	QPSK	37850	50RB#25	20.60	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.86	PASS
Band38	20MHz	QPSK	37850	50RB#50	20.36	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.78	PASS
Band38	20MHz	QPSK	37850	100RB#0	20.59	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.69	PASS
Band38	20MHz	QPSK	38000	1RB#0	21.86	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.36	PASS
Band38	20MHz	QPSK	38000	1RB#49	21.38	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.24	PASS
Band38	20MHz	QPSK	38000	1RB#99	21.31	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.05	PASS
Band38	20MHz	QPSK	38000	50RB#0	20.46	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.56	PASS
Band38	20MHz	QPSK	38000	50RB#25	20.48	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.57	PASS
Band38	20MHz	QPSK	38000	50RB#50	20.29	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.47	PASS
Band38	20MHz	QPSK	38000	100RB#0	20.43	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.58	PASS
Band38	20MHz	QPSK	38150	1RB#0	21.25	PASS
Band38	20MHz	16QAM	38150	1RB#0	20.66	PASS
Band38	20MHz	QPSK	38150	1RB#49	21.19	PASS
Band38	20MHz	16QAM	38150	1RB#49	20.28	PASS
Band38	20MHz	QPSK	38150	1RB#99	21.05	PASS
Band38	20MHz	16QAM	38150	1RB#99	20.32	PASS
Band38	20MHz	QPSK	38150	50RB#0	20.38	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.53	PASS

Band38	20MHz	QPSK	38150	50RB#25	20.40	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.53	PASS
Band38	20MHz	QPSK	38150	50RB#50	20.36	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.48	PASS
Band38	20MHz	QPSK	38150	100RB#0	20.35	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.50	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	9.30	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	9.59	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	9.13	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.83	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	9.13	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	9.39	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	9.16	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.83	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	9.48	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	9.74	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.25	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.88	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	9.19	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	9.65	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.10	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.88	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	9.19	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	9.94	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.10	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.88	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	9.33	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	9.83	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.19	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.91	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	9.16	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	9.59	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.45	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.97	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	9.16	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	10.06	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.42	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	10.00	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	9.28	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	9.77	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.42	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.97	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	8.64	13	PASS

Band38	20MHz	16QAM	37850	1RB#0	9.30	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.04	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.83	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	8.93	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	9.83	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.19	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.77	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	8.70	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	9.42	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.04	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.86	13	PASS

Test Graphs



