

Appendix for LTE Band 38

Product Name: HTC Smartphone

Model No: Wildfire E5 Elite

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	21.77	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.14	PASS
Band38	5MHz	QPSK	37775	1RB#24	21.88	PASS
Band38	5MHz	QPSK	37775	12RB#0	20.82	PASS
Band38	5MHz	QPSK	37775	12RB#6	20.90	PASS
Band38	5MHz	QPSK	37775	12RB#13	20.87	PASS
Band38	5MHz	QPSK	37775	25RB#0	20.84	PASS
Band38	5MHz	16QAM	37775	1RB#0	20.76	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.12	PASS
Band38	5MHz	16QAM	37775	1RB#24	20.85	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.72	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.82	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.78	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.84	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.02	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.35	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.03	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.09	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.12	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.08	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.02	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.04	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.29	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.04	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.98	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.85	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.95	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.65	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.82	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.87	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.77	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.94	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.95	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.83	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.88	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.13	PASS

Band38	5MHz	16QAM	38225	1RB#12	22.56	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.12	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.86	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.86	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.75	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.84	PASS
Band38	10MHz	QPSK	37800	1RB#0	21.82	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.13	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.06	PASS
Band38	10MHz	QPSK	37800	25RB#0	20.94	PASS
Band38	10MHz	QPSK	37800	25RB#12	20.97	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.04	PASS
Band38	10MHz	QPSK	37800	50RB#0	20.99	PASS
Band38	10MHz	16QAM	37800	1RB#0	20.95	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.18	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.22	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.95	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.99	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.86	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.52	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.12	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.24	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.11	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.16	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.14	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.18	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.09	PASS
Band38	10MHz	16QAM	38000	1RB#0	20.77	PASS
Band38	10MHz	16QAM	38000	1RB#24	20.83	PASS
Band38	10MHz	16QAM	38000	1RB#49	20.78	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.96	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.95	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.65	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.95	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.71	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.03	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.82	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.93	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.92	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.89	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.93	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.91	PASS

Band38	10MHz	16QAM	38200	1RB#24	22.14	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.94	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.88	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.92	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.90	PASS
Band38	15MHz	QPSK	37825	1RB#0	21.68	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.08	PASS
Band38	15MHz	QPSK	37825	1RB#74	21.95	PASS
Band38	15MHz	QPSK	37825	38RB#0	21.03	PASS
Band38	15MHz	QPSK	37825	38RB#18	21.09	PASS
Band38	15MHz	QPSK	37825	38RB#37	21.02	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.01	PASS
Band38	15MHz	16QAM	37825	1RB#0	20.81	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.15	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.06	PASS
Band38	15MHz	16QAM	37825	38RB#0	21.05	PASS
Band38	15MHz	16QAM	37825	38RB#18	20.58	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.02	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.64	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.16	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.13	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.08	PASS
Band38	15MHz	QPSK	38000	38RB#0	21.13	PASS
Band38	15MHz	QPSK	38000	38RB#18	21.14	PASS
Band38	15MHz	QPSK	38000	38RB#37	21.14	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.12	PASS
Band38	15MHz	16QAM	38000	1RB#0	20.88	PASS
Band38	15MHz	16QAM	38000	1RB#38	20.91	PASS
Band38	15MHz	16QAM	38000	1RB#74	20.87	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.14	PASS
Band38	15MHz	16QAM	38000	38RB#18	20.57	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.14	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.35	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.35	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.75	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.60	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.79	PASS
Band38	15MHz	QPSK	38175	38RB#18	21.84	PASS
Band38	15MHz	QPSK	38175	38RB#37	21.80	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.78	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.54	PASS

Band38	15MHz	16QAM	38175	1RB#38	21.88	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.81	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.79	PASS
Band38	15MHz	16QAM	38175	38RB#18	20.78	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.80	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.75	PASS
Band38	20MHz	QPSK	37850	1RB#0	21.58	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.33	PASS
Band38	20MHz	QPSK	37850	1RB#99	21.83	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.05	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.11	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.09	PASS
Band38	20MHz	16QAM	37850	1RB#0	20.59	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.26	PASS
Band38	20MHz	16QAM	37850	1RB#99	20.83	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.86	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.64	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.68	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.85	PASS
Band38	20MHz	QPSK	38000	1RB#0	21.85	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.23	PASS
Band38	20MHz	QPSK	38000	1RB#99	21.95	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.20	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.07	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.14	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.16	PASS
Band38	20MHz	16QAM	38000	1RB#0	20.46	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.12	PASS
Band38	20MHz	16QAM	38000	1RB#99	20.52	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.65	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.68	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.64	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.69	PASS
Band38	20MHz	QPSK	38150	1RB#0	21.96	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.14	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.51	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.64	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.70	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.75	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.67	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.03	PASS

Band38	20MHz	16QAM	38150	1RB#49	21.87	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.58	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.65	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.69	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.75	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.62	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	8.84	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	9.10	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	9.30	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.62	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	8.87	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	8.93	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	9.36	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.65	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	8.90	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.01	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	9.30	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.65	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	8.96	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.93	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	9.59	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.71	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	8.78	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.99	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	9.39	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.65	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	8.78	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.99	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	9.45	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.65	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	8.99	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.30	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	9.57	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.86	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	8.78	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.19	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	9.39	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.83	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	8.78	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.22	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	9.36	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.86	13	PASS

Band38	20MHz	QPSK	37850	1RB#0	8.52	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	8.96	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	9.25	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.65	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	8.41	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.90	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	9.10	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.68	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	8.41	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.93	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	9.07	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.65	13	PASS

Test Graphs



