

Appendix for LTE Band 41

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
Band41	5MHz	QPSK	39675	1RB#0	22.88	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.35	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.02	PASS
Band41	5MHz	QPSK	39675	12RB#0	21.90	PASS
Band41	5MHz	QPSK	39675	12RB#6	21.98	PASS
Band41	5MHz	QPSK	39675	12RB#13	21.97	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.95	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.85	PASS
Band41	5MHz	16QAM	39675	1RB#12	22.28	PASS
Band41	5MHz	16QAM	39675	1RB#24	22.00	PASS
Band41	5MHz	16QAM	39675	12RB#0	21.79	PASS
Band41	5MHz	16QAM	39675	12RB#6	21.88	PASS
Band41	5MHz	16QAM	39675	12RB#13	21.84	PASS
Band41	5MHz	16QAM	39675	25RB#0	21.86	PASS
Band41	5MHz	QPSK	40620	1RB#0	21.98	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.34	PASS
Band41	5MHz	QPSK	40620	1RB#24	21.96	PASS
Band41	5MHz	QPSK	40620	12RB#0	21.11	PASS
Band41	5MHz	QPSK	40620	12RB#6	21.13	PASS
Band41	5MHz	QPSK	40620	12RB#13	21.03	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.06	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.06	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.36	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.99	PASS
Band41	5MHz	16QAM	40620	12RB#0	21.99	PASS
Band41	5MHz	16QAM	40620	12RB#6	21.98	PASS
Band41	5MHz	16QAM	40620	12RB#13	21.89	PASS
Band41	5MHz	16QAM	40620	25RB#0	21.96	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.29	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.50	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.25	PASS
Band41	5MHz	QPSK	41565	12RB#0	22.33	PASS
Band41	5MHz	QPSK	41565	12RB#6	22.39	PASS
Band41	5MHz	QPSK	41565	12RB#13	22.28	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.32	PASS
Band41	5MHz	16QAM	41565	1RB#0	22.54	PASS

Band41	5MHz	16QAM	41565	1RB#12	22.96	PASS
Band41	5MHz	16QAM	41565	1RB#24	22.43	PASS
Band41	5MHz	16QAM	41565	12RB#0	21.27	PASS
Band41	5MHz	16QAM	41565	12RB#6	21.32	PASS
Band41	5MHz	16QAM	41565	12RB#13	21.20	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.29	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.92	PASS
Band41	10MHz	QPSK	39700	1RB#24	23.29	PASS
Band41	10MHz	QPSK	39700	1RB#49	23.27	PASS
Band41	10MHz	QPSK	39700	25RB#0	22.08	PASS
Band41	10MHz	QPSK	39700	25RB#12	22.10	PASS
Band41	10MHz	QPSK	39700	25RB#25	22.20	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.11	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.05	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.35	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.39	PASS
Band41	10MHz	16QAM	39700	25RB#0	21.08	PASS
Band41	10MHz	16QAM	39700	25RB#12	21.07	PASS
Band41	10MHz	16QAM	39700	25RB#25	21.20	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.08	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.11	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.18	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.00	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.19	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.11	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.09	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.11	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.71	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.84	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.68	PASS
Band41	10MHz	16QAM	40620	25RB#0	21.14	PASS
Band41	10MHz	16QAM	40620	25RB#12	21.04	PASS
Band41	10MHz	16QAM	40620	25RB#25	21.03	PASS
Band41	10MHz	16QAM	40620	50RB#0	21.07	PASS
Band41	10MHz	QPSK	41540	1RB#0	23.29	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.61	PASS
Band41	10MHz	QPSK	41540	1RB#49	23.31	PASS
Band41	10MHz	QPSK	41540	25RB#0	22.40	PASS
Band41	10MHz	QPSK	41540	25RB#12	22.40	PASS
Band41	10MHz	QPSK	41540	25RB#25	22.38	PASS
Band41	10MHz	QPSK	41540	50RB#0	22.40	PASS
Band41	10MHz	16QAM	41540	1RB#0	22.39	PASS

Band41	10MHz	16QAM	41540	1RB#24	22.65	PASS
Band41	10MHz	16QAM	41540	1RB#49	22.45	PASS
Band41	10MHz	16QAM	41540	25RB#0	21.41	PASS
Band41	10MHz	16QAM	41540	25RB#12	21.39	PASS
Band41	10MHz	16QAM	41540	25RB#25	21.43	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.36	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.81	PASS
Band41	15MHz	QPSK	39725	1RB#38	23.23	PASS
Band41	15MHz	QPSK	39725	1RB#74	23.20	PASS
Band41	15MHz	QPSK	39725	38RB#0	22.21	PASS
Band41	15MHz	QPSK	39725	38RB#18	22.24	PASS
Band41	15MHz	QPSK	39725	38RB#37	22.19	PASS
Band41	15MHz	QPSK	39725	75RB#0	22.19	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.94	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.29	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.36	PASS
Band41	15MHz	16QAM	39725	38RB#0	22.19	PASS
Band41	15MHz	16QAM	39725	38RB#18	21.19	PASS
Band41	15MHz	16QAM	39725	38RB#37	22.19	PASS
Band41	15MHz	16QAM	39725	75RB#0	21.13	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.09	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.04	PASS
Band41	15MHz	QPSK	40620	1RB#74	21.93	PASS
Band41	15MHz	QPSK	40620	38RB#0	21.12	PASS
Band41	15MHz	QPSK	40620	38RB#18	21.13	PASS
Band41	15MHz	QPSK	40620	38RB#37	21.11	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.12	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.82	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.89	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.72	PASS
Band41	15MHz	16QAM	40620	38RB#0	21.12	PASS
Band41	15MHz	16QAM	40620	38RB#18	20.99	PASS
Band41	15MHz	16QAM	40620	38RB#37	21.11	PASS
Band41	15MHz	16QAM	40620	75RB#0	21.07	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.90	PASS
Band41	15MHz	QPSK	41515	1RB#38	23.35	PASS
Band41	15MHz	QPSK	41515	1RB#74	23.14	PASS
Band41	15MHz	QPSK	41515	38RB#0	22.28	PASS
Band41	15MHz	QPSK	41515	38RB#18	22.33	PASS
Band41	15MHz	QPSK	41515	38RB#37	22.29	PASS
Band41	15MHz	QPSK	41515	75RB#0	22.28	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.03	PASS

Band41	15MHz	16QAM	41515	1RB#38	22.42	PASS
Band41	15MHz	16QAM	41515	1RB#74	22.27	PASS
Band41	15MHz	16QAM	41515	38RB#0	22.29	PASS
Band41	15MHz	16QAM	41515	38RB#18	21.31	PASS
Band41	15MHz	16QAM	41515	38RB#37	22.27	PASS
Band41	15MHz	16QAM	41515	75RB#0	21.24	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.70	PASS
Band41	20MHz	QPSK	39750	1RB#49	23.67	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.07	PASS
Band41	20MHz	QPSK	39750	50RB#0	22.20	PASS
Band41	20MHz	QPSK	39750	50RB#25	22.23	PASS
Band41	20MHz	QPSK	39750	50RB#50	22.24	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.25	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.66	PASS
Band41	20MHz	16QAM	39750	1RB#49	22.44	PASS
Band41	20MHz	16QAM	39750	1RB#99	22.05	PASS
Band41	20MHz	16QAM	39750	50RB#0	21.18	PASS
Band41	20MHz	16QAM	39750	50RB#25	21.25	PASS
Band41	20MHz	16QAM	39750	50RB#50	21.23	PASS
Band41	20MHz	16QAM	39750	100RB#0	21.20	PASS
Band41	20MHz	QPSK	40620	1RB#0	21.83	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.19	PASS
Band41	20MHz	QPSK	40620	1RB#99	21.75	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.16	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.06	PASS
Band41	20MHz	QPSK	40620	50RB#50	21.03	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.13	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.38	PASS
Band41	20MHz	16QAM	40620	1RB#49	21.13	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.39	PASS
Band41	20MHz	16QAM	40620	50RB#0	21.21	PASS
Band41	20MHz	16QAM	40620	50RB#25	21.06	PASS
Band41	20MHz	16QAM	40620	50RB#50	21.04	PASS
Band41	20MHz	16QAM	40620	100RB#0	21.10	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.50	PASS
Band41	20MHz	QPSK	41490	1RB#49	23.46	PASS
Band41	20MHz	QPSK	41490	1RB#99	23.08	PASS
Band41	20MHz	QPSK	41490	50RB#0	22.09	PASS
Band41	20MHz	QPSK	41490	50RB#25	22.17	PASS
Band41	20MHz	QPSK	41490	50RB#50	22.26	PASS
Band41	20MHz	QPSK	41490	100RB#0	22.14	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.59	PASS

Band41	20MHz	16QAM	41490	1RB#49	22.40	PASS
Band41	20MHz	16QAM	41490	1RB#99	22.05	PASS
Band41	20MHz	16QAM	41490	50RB#0	21.08	PASS
Band41	20MHz	16QAM	41490	50RB#25	21.20	PASS
Band41	20MHz	16QAM	41490	50RB#50	21.22	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.10	PASS

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	9.36	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	9.88	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	10.35	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	10.78	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	9.86	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	10.23	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	10.55	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	10.64	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	9.33	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	10.00	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	10.23	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	10.55	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	9.42	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.86	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	10.41	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	10.67	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	10.03	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	10.20	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	10.23	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	10.90	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	9.45	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.83	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	10.46	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	10.75	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	9.54	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	10.20	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	10.41	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	10.84	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	9.28	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	10.26	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	10.35	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	10.78	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	9.39	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	10.17	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	10.61	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	10.93	13	PASS

Band41	20MHz	QPSK	39750	1RB#0	9.88	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	10.14	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	10.58	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	10.67	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	9.86	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	10.17	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	11.07	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	10.93	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	9.97	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.91	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	10.49	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	10.64	13	PASS

Test Graphs



