

Appendix for LTE Band 5

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
Band5	1.4MHz	QPSK	20407	1RB#0	23.61	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.68	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.56	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.70	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.70	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.68	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.69	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.51	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.82	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.49	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.48	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.64	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.41	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.74	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.87	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.06	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.85	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.96	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.94	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.91	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.95	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.76	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.03	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.75	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.70	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.85	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.67	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.98	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.11	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.37	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.10	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.23	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.27	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.24	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.24	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.99	PASS

Band5	1.4MHz	16QAM	20643	1RB#2	22.25	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.07	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.99	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.13	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.98	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.23	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.73	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.74	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.50	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.70	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.70	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.61	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.66	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.77	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.64	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.57	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.80	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.77	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.68	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.70	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.03	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.03	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.99	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.03	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.03	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.04	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.96	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.05	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.95	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.92	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.06	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.09	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.07	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.98	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.20	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.26	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.31	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.24	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.34	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.28	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.21	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.19	PASS

Band5	3MHz	16QAM	20635	1RB#8	22.18	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.31	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.29	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.32	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.30	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.30	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.62	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.71	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.26	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.59	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.53	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.27	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.58	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.61	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.20	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.54	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.54	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.33	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.55	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.95	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.20	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.82	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.97	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.95	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.86	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.92	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.98	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.21	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.88	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.04	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.08	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.94	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.95	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.03	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.36	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.25	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.12	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.17	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.09	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.05	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.93	PASS

Band5	5MHz	16QAM	20625	1RB#12	22.22	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.08	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.10	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.20	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.04	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.11	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.89	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.51	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.99	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.53	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.34	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.17	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.32	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.68	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.43	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.00	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.53	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.32	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.16	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.30	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.04	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.15	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.89	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.09	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.00	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.00	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.00	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.11	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.01	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.92	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.11	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.06	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.98	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.05	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.90	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.18	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.18	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.09	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.08	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.04	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.07	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.92	PASS

Band5	10MHz	16QAM	20600	1RB#24	22.10	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.18	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.10	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.17	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.02	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.10	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	5.19	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.42	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	6.17	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.20	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	5.01	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.33	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.77	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.17	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.93	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.33	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.91	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.12	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.22	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.45	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	6.06	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.26	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.93	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.39	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.68	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.14	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.90	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.33	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.77	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.14	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.33	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.59	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.83	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.26	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.07	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.51	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.74	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.20	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.30	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.48	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.83	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.17	13	PASS

Band5	10MHz	QPSK	20450	1RB#0	5.22	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.51	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	6.09	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.26	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.96	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.51	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.74	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.29	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	5.28	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.51	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	6.17	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.29	13	PASS

Test Graphs



