

Appendix for LTE Band 12

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
Band12	1.4MHz	QPSK	23017	1RB#0	23.32	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.44	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.33	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.31	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.30	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.36	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.38	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.22	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.59	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.18	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.22	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.30	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.24	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.17	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.29	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.49	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.31	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.38	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.45	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.35	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.45	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.27	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.52	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.26	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.23	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.33	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.21	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.45	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.43	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.60	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.50	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.50	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.52	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.57	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.55	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.33	PASS

Band12	1.4MHz	16QAM	23173	1RB#2	22.74	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.33	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.43	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.47	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.37	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.37	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.36	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.37	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.39	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.39	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.49	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.45	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.42	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.46	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.36	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.43	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.46	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.46	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.43	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.41	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.50	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.46	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.45	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.48	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.52	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.51	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.45	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.57	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.42	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.50	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.50	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.51	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.58	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.49	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.55	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.50	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.61	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.59	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.64	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.59	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.55	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.45	PASS

Band12	3MHz	16QAM	23165	1RB#8	22.66	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.49	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.58	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.57	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.55	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.42	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.29	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.57	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.33	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.36	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.37	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.26	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.35	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.20	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.40	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.28	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.30	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.37	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.17	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.29	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.37	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.58	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.40	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.39	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.44	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.46	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.43	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.29	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.52	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.35	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.32	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.45	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.46	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.44	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.38	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.58	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.37	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.50	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.59	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.45	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.45	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.50	PASS

Band12	5MHz	16QAM	23155	1RB#12	22.79	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.53	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.52	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.61	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.48	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.42	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.26	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.50	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.31	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.52	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.40	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.41	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.43	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.35	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.52	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.44	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.46	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.43	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.40	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.38	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.28	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.62	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.42	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.55	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.45	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.61	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.59	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.21	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.67	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.35	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.53	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.49	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.64	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.56	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.38	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.58	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.44	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.39	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.48	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.48	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.46	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.19	PASS

Band12	10MHz	16QAM	23130	1RB#24	22.65	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.28	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.41	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.52	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.51	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.39	PASS

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.22	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.48	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	6.17	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.26	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.01	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.33	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.00	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.17	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.22	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.51	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.91	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.35	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.22	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.54	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	6.09	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.35	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.13	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.42	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.00	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.23	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.04	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.51	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.80	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.29	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.36	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.68	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.83	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.38	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.36	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.51	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.86	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.23	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.07	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.51	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.71	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.23	13	PASS

Band12	10MHz	QPSK	23060	1RB#0	5.28	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.59	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	6.12	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.35	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.33	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.54	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.03	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.32	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.04	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.48	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.17	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.29	13	PASS

Test Graphs



