



Appendix H: Test Data for E-UTRA Band 12

Product Name: 4G Smart Phone

Test Model: L66F

Environmental Conditions

Temperature:	23.6°C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng





H.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.54	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.94	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.53	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.00	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.49	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.96	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.54	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.14	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.46	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.11	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	24.52	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.21	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.53	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.91	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.49	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.84	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.54	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.97	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.48	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.00	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	24.57	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	23.17	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	24.43	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	23.14	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	24.42	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	23.04	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.54	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.51	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.61	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.98	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.46	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.88	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.62	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.93	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.47	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	23.00	PASS





Band12	1.4MHz	QPSK	23173	3RB#1	24.46	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.93	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.52	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.99	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.45	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.34	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.48	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.49	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.44	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.44	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.40	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.60	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.49	PASS
Band12	3MHz	16QAM	23025	8RB#0	23.08	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.54	PASS
Band12	3MHz	16QAM	23025	8RB#4	23.18	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.65	PASS
Band12	3MHz	16QAM	23025	8RB#7	23.12	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.49	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.97	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.60	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.87	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.51	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.03	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.59	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.99	PASS
Band12	3MHz	QPSK	23095	8RB#0	23.35	PASS
Band12	3MHz	16QAM	23095	8RB#0	23.07	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.35	PASS
Band12	3MHz	16QAM	23095	8RB#4	23.07	PASS
Band12	3MHz	QPSK	23095	8RB#7	23.50	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.67	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.60	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.37	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.55	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.73	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.58	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.65	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.46	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.66	PASS
Band12	3MHz	QPSK	23165	8RB#0	23.40	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.93	PASS





Band12	3MHz	QPSK	23165	8RB#4	23.52	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.83	PASS
Band12	3MHz	QPSK	23165	8RB#7	23.39	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.64	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.27	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.76	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.52	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.86	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.54	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.48	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.61	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.76	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.48	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.90	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.56	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.88	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.70	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.89	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.71	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.92	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.55	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.52	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.49	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.55	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.47	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.62	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.42	PASS
Band12	5MHz	16QAM	23095	12RB#0	23.05	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.42	PASS
Band12	5MHz	16QAM	23095	12RB#6	23.05	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.50	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.48	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.36	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.65	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.44	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.04	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.46	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.05	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.43	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.98	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.51	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.41	PASS





Band12	5MHz	QPSK	23155	12RB#6	23.39	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.36	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.38	PASS
Band12	5MHz	16QAM	23155	12RB#13	22.76	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.33	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.87	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.42	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.44	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.45	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.47	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.35	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.62	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.53	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.90	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.56	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.90	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.44	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.89	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.38	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.40	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.67	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.33	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.67	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.29	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.58	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.60	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.50	PASS
Band12	10MHz	16QAM	23095	25RB#0	23.08	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.50	PASS
Band12	10MHz	16QAM	23095	25RB#12	23.08	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.52	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.68	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.54	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.59	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.49	PASS
Band12	10MHz	16QAM	23130	1RB#0	24.04	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.43	PASS
Band12	10MHz	16QAM	23130	1RB#24	24.04	PASS
Band12	10MHz	QPSK	23130	1RB#49	24.44	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.95	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.42	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.50	PASS





Band12	10MHz	QPSK	23130	25RB#12	23.44	PASS
Band12	10MHz	16QAM	23130	25RB#12	22.34	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.36	PASS
Band12	10MHz	16QAM	23130	25RB#25	22.93	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.45	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.61	PASS





H.2 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	4.53	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.40	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.47	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.11	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.93	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.97	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.71	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.54	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.13	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.04	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.22	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.01	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.55	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.73	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.40	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.05	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.86	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.12	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.72	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.55	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.94	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.05	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.21	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.80	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.62	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.80	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.37	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.05	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.63	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.87	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.71	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.43	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.37	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.44	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.33	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.92	13	PASS



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Scan code to check authenticity



Band12	10MHz	QPSK	23060	1RB#0	4.58	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.51	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.58	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.38	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.38	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.18	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.69	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.43	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.89	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.83	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.49	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.26	13	PASS





Test Graphs



































H.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0987	1.247	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0929	1.241	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0968	1.250	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0896	1.237	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0918	1.249	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0971	1.253	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7597	3.083	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7358	3.079	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7685	3.105	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7382	3.090	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7592	3.103	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7538	3.077	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5048	4.957	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4920	4.956	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5152	4.992	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5127	4.965	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5091	4.958	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4930	4.928	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9801	9.910	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9797	9.898	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0140	9.952	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0305	9.953	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9843	9.820	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9731	9.886	PASS





Test Graphs



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Scan code to check authenticity