

Appendix for LTE BAND 12

Product Name: Mobile Phone

Model No: STAR

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.20	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.43	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.18	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	21.54	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.29	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	21.51	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.17	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.35	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.16	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.71	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.16	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.70	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.66	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.70	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.21	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.17	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.30	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	21.75	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.10	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.24	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.27	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.39	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.27	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.39	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.34	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.68	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.80	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.78	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	21.98	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.04	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.02	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	21.86	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.05	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.04	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.16	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.22	PASS

Band12	1.4MHz	QPSK	23173	3RB#1	22.16	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.23	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.18	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.30	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.69	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.90	PASS
Band12	3MHz	QPSK	23025	1RB#0	21.97	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.30	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.03	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.27	PASS
Band12	3MHz	QPSK	23025	1RB#14	21.98	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.76	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.70	PASS
Band12	3MHz	16QAM	23025	8RB#0	20.74	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.72	PASS
Band12	3MHz	16QAM	23025	8RB#4	20.75	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.63	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.78	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.74	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.78	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.31	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.56	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.30	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.57	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.24	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.48	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.64	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.90	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.65	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.90	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.81	PASS
Band12	3MHz	16QAM	23095	8RB#7	20.94	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.80	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.68	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.14	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.39	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.08	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.57	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.05	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.47	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.59	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.75	PASS

Band12	3MHz	QPSK	23165	8RB#4	21.71	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.70	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.70	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.53	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.68	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.30	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.12	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.27	PASS
Band12	5MHz	16QAM	23035	1RB#12	20.98	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.34	PASS
Band12	5MHz	16QAM	23035	1RB#24	20.93	PASS
Band12	5MHz	QPSK	23035	12RB#0	21.65	PASS
Band12	5MHz	16QAM	23035	12RB#0	20.72	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.67	PASS
Band12	5MHz	16QAM	23035	12RB#6	20.72	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.64	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.73	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.64	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.19	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.92	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.20	PASS
Band12	5MHz	16QAM	23095	1RB#12	21.89	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.23	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.88	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.63	PASS
Band12	5MHz	16QAM	23095	12RB#0	20.83	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.64	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.72	PASS
Band12	5MHz	16QAM	23095	12RB#13	20.72	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.70	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.51	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.30	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.02	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.29	PASS
Band12	5MHz	16QAM	23155	1RB#12	20.99	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.27	PASS
Band12	5MHz	16QAM	23155	1RB#24	20.97	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.75	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.71	PASS

Band12	5MHz	QPSK	23155	12RB#6	21.75	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.71	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.58	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.73	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.71	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.78	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.09	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.73	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.10	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.76	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.07	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.80	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.71	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.71	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.72	PASS
Band12	10MHz	16QAM	23060	25RB#12	20.72	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.78	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.68	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.68	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.78	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.16	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.53	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.29	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.58	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.15	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.57	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.79	PASS
Band12	10MHz	16QAM	23095	25RB#0	20.95	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.80	PASS
Band12	10MHz	16QAM	23095	25RB#12	20.83	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.80	PASS
Band12	10MHz	16QAM	23095	25RB#25	20.93	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.81	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.80	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.15	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.23	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.11	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.59	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.06	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.13	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.70	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.88	PASS

Band12	10MHz	QPSK	23130	25RB#12	21.73	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.78	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.70	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.86	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.76	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.79	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	4.70	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	4.93	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	4.99	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.48	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.75	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.77	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.16	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.77	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.67	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.22	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.93	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.45	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.75	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.51	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.04	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.71	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.78	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.74	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.16	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.88	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.75	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.48	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.13	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.86	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.67	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.57	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.10	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.74	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.90	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.22	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.13	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.77	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.61	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.51	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.19	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.77	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.58	13	PASS

Band12	10MHz	16QAM	23060	1RB#0	5.07	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.33	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.97	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.64	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.28	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.19	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.94	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.87	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.65	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.30	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.88	13	PASS

Test Graphs



