

Appendix for LTE BAND 5

Product Name: Mobile Phone

Model No: STAR

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	21.56	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.01	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	21.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.48	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	21.51	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	20.93	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	21.50	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.15	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	21.66	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.19	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	21.66	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.05	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.10	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.24	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	21.69	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.44	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	21.91	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.17	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	21.77	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.42	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	21.94	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.35	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	21.95	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.30	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	21.89	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.30	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.46	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.78	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	21.70	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.50	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	21.64	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.97	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	21.65	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.32	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	21.75	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.11	PASS

Band5	1.4MHz	QPSK	20643	3RB#1	21.75	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.10	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	21.72	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.05	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.07	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.43	PASS
Band5	3MHz	QPSK	20415	1RB#0	21.48	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.18	PASS
Band5	3MHz	QPSK	20415	1RB#8	21.50	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.08	PASS
Band5	3MHz	QPSK	20415	1RB#14	21.58	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.23	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.03	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.29	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.06	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.37	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.23	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.42	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.04	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.02	PASS
Band5	3MHz	QPSK	20525	1RB#0	21.86	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.22	PASS
Band5	3MHz	QPSK	20525	1RB#8	21.97	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.23	PASS
Band5	3MHz	QPSK	20525	1RB#14	21.96	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.28	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.31	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.64	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.32	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.71	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.35	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.66	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.38	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.44	PASS
Band5	3MHz	QPSK	20635	1RB#0	21.68	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.47	PASS
Band5	3MHz	QPSK	20635	1RB#8	21.78	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.47	PASS
Band5	3MHz	QPSK	20635	1RB#14	21.71	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.58	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.25	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.53	PASS

Band5	3MHz	QPSK	20635	8RB#4	21.32	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.54	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.20	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.56	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.27	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.26	PASS
Band5	5MHz	QPSK	20425	1RB#0	21.57	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.08	PASS
Band5	5MHz	QPSK	20425	1RB#12	21.63	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.08	PASS
Band5	5MHz	QPSK	20425	1RB#24	21.64	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.18	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.09	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.08	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.04	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.09	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.19	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.09	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.18	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.32	PASS
Band5	5MHz	QPSK	20525	1RB#0	21.87	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.77	PASS
Band5	5MHz	QPSK	20525	1RB#12	21.94	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.10	PASS
Band5	5MHz	QPSK	20525	1RB#24	21.84	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.76	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.41	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.50	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.43	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.51	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.42	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.56	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.52	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.37	PASS
Band5	5MHz	QPSK	20625	1RB#0	21.75	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.18	PASS
Band5	5MHz	QPSK	20625	1RB#12	21.72	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.03	PASS
Band5	5MHz	QPSK	20625	1RB#24	21.83	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.21	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.15	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.34	PASS

Band5	5MHz	QPSK	20625	12RB#6	21.16	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.28	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.12	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.30	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.09	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.36	PASS
Band5	10MHz	QPSK	20450	1RB#0	21.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.37	PASS
Band5	10MHz	QPSK	20450	1RB#24	21.62	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.75	PASS
Band5	10MHz	QPSK	20450	1RB#49	21.75	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.89	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.17	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.21	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.05	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.21	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.25	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.26	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.18	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.20	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.58	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.58	PASS
Band5	10MHz	QPSK	20525	1RB#24	21.87	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.78	PASS
Band5	10MHz	QPSK	20525	1RB#49	21.80	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.73	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.55	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.60	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.44	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.61	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.50	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.59	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.55	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.63	PASS
Band5	10MHz	QPSK	20600	1RB#0	21.86	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.99	PASS
Band5	10MHz	QPSK	20600	1RB#24	21.74	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.93	PASS
Band5	10MHz	QPSK	20600	1RB#49	21.67	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.76	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.34	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.40	PASS

Band5	10MHz	QPSK	20600	25RB#12	21.38	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.35	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.22	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.17	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.40	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.38	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	5.77	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	8.46	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.94	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.67	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.58	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	4.78	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.81	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.39	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	5.88	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	6.52	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.94	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.72	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.83	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	6.49	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	6.09	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.84	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.72	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.33	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.81	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.45	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	5.91	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	6.99	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.88	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.75	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	8.46	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	6.35	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	6.12	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.81	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.96	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.30	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.90	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.59	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	6.09	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	6.41	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	6.00	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.70	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.91	13	PASS

Band5	10MHz	16QAM	20450	1RB#0	6.61	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	6.06	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.75	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.80	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	6.26	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.33	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.97	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.90	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.75	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	6.09	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.81	13	PASS

Test Graphs



