

Appendix for LTE BAND 12

Product Name: Mobile Phone

Model No: VISION

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	27.17	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	25.64	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	27.13	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	25.79	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	27.09	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	25.60	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	26.75	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	25.44	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	26.79	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	25.16	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	26.40	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	25.09	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	25.81	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	24.56	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	27.00	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	25.04	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	26.60	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	25.14	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	26.49	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	25.00	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	26.26	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	25.01	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	26.29	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	25.00	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	26.27	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	24.98	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	25.45	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	24.15	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	26.43	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	25.02	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	26.61	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	25.17	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	26.19	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	25.03	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	26.17	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	24.92	PASS

Band12	1.4MHz	QPSK	23173	3RB#1	26.17	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	24.90	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	26.16	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	24.83	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	25.49	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	24.29	PASS
Band12	3MHz	QPSK	23025	1RB#0	27.14	PASS
Band12	3MHz	16QAM	23025	1RB#0	25.90	PASS
Band12	3MHz	QPSK	23025	1RB#8	27.11	PASS
Band12	3MHz	16QAM	23025	1RB#8	25.71	PASS
Band12	3MHz	QPSK	23025	1RB#14	26.88	PASS
Band12	3MHz	16QAM	23025	1RB#14	25.52	PASS
Band12	3MHz	QPSK	23025	8RB#0	25.84	PASS
Band12	3MHz	16QAM	23025	8RB#0	24.51	PASS
Band12	3MHz	QPSK	23025	8RB#4	25.68	PASS
Band12	3MHz	16QAM	23025	8RB#4	24.38	PASS
Band12	3MHz	QPSK	23025	8RB#7	25.60	PASS
Band12	3MHz	16QAM	23025	8RB#7	24.38	PASS
Band12	3MHz	QPSK	23025	15RB#0	25.58	PASS
Band12	3MHz	16QAM	23025	15RB#0	24.50	PASS
Band12	3MHz	QPSK	23095	1RB#0	27.04	PASS
Band12	3MHz	16QAM	23095	1RB#0	25.15	PASS
Band12	3MHz	QPSK	23095	1RB#8	26.53	PASS
Band12	3MHz	16QAM	23095	1RB#8	25.07	PASS
Band12	3MHz	QPSK	23095	1RB#14	26.58	PASS
Band12	3MHz	16QAM	23095	1RB#14	25.03	PASS
Band12	3MHz	QPSK	23095	8RB#0	25.36	PASS
Band12	3MHz	16QAM	23095	8RB#0	24.27	PASS
Band12	3MHz	QPSK	23095	8RB#4	25.40	PASS
Band12	3MHz	16QAM	23095	8RB#4	24.30	PASS
Band12	3MHz	QPSK	23095	8RB#7	25.41	PASS
Band12	3MHz	16QAM	23095	8RB#7	24.29	PASS
Band12	3MHz	QPSK	23095	15RB#0	25.31	PASS
Band12	3MHz	16QAM	23095	15RB#0	24.15	PASS
Band12	3MHz	QPSK	23165	1RB#0	26.43	PASS
Band12	3MHz	16QAM	23165	1RB#0	25.24	PASS
Band12	3MHz	QPSK	23165	1RB#8	26.40	PASS
Band12	3MHz	16QAM	23165	1RB#8	25.21	PASS
Band12	3MHz	QPSK	23165	1RB#14	26.18	PASS
Band12	3MHz	16QAM	23165	1RB#14	25.22	PASS
Band12	3MHz	QPSK	23165	8RB#0	25.39	PASS
Band12	3MHz	16QAM	23165	8RB#0	24.30	PASS

Band12	3MHz	QPSK	23165	8RB#4	25.40	PASS
Band12	3MHz	16QAM	23165	8RB#4	24.29	PASS
Band12	3MHz	QPSK	23165	8RB#7	25.38	PASS
Band12	3MHz	16QAM	23165	8RB#7	24.23	PASS
Band12	3MHz	QPSK	23165	15RB#0	25.27	PASS
Band12	3MHz	16QAM	23165	15RB#0	24.21	PASS
Band12	5MHz	QPSK	23035	1RB#0	27.12	PASS
Band12	5MHz	16QAM	23035	1RB#0	25.79	PASS
Band12	5MHz	QPSK	23035	1RB#12	27.17	PASS
Band12	5MHz	16QAM	23035	1RB#12	25.83	PASS
Band12	5MHz	QPSK	23035	1RB#24	26.96	PASS
Band12	5MHz	16QAM	23035	1RB#24	25.71	PASS
Band12	5MHz	QPSK	23035	12RB#0	25.87	PASS
Band12	5MHz	16QAM	23035	12RB#0	24.61	PASS
Band12	5MHz	QPSK	23035	12RB#6	25.84	PASS
Band12	5MHz	16QAM	23035	12RB#6	24.61	PASS
Band12	5MHz	QPSK	23035	12RB#13	25.82	PASS
Band12	5MHz	16QAM	23035	12RB#13	24.66	PASS
Band12	5MHz	QPSK	23035	25RB#0	25.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	24.68	PASS
Band12	5MHz	QPSK	23095	1RB#0	26.87	PASS
Band12	5MHz	16QAM	23095	1RB#0	25.74	PASS
Band12	5MHz	QPSK	23095	1RB#12	27.00	PASS
Band12	5MHz	16QAM	23095	1RB#12	25.31	PASS
Band12	5MHz	QPSK	23095	1RB#24	26.44	PASS
Band12	5MHz	16QAM	23095	1RB#24	25.21	PASS
Band12	5MHz	QPSK	23095	12RB#0	25.33	PASS
Band12	5MHz	16QAM	23095	12RB#0	24.36	PASS
Band12	5MHz	QPSK	23095	12RB#6	25.34	PASS
Band12	5MHz	16QAM	23095	12RB#6	24.36	PASS
Band12	5MHz	QPSK	23095	12RB#13	25.30	PASS
Band12	5MHz	16QAM	23095	12RB#13	24.27	PASS
Band12	5MHz	QPSK	23095	25RB#0	25.32	PASS
Band12	5MHz	16QAM	23095	25RB#0	24.28	PASS
Band12	5MHz	QPSK	23155	1RB#0	26.96	PASS
Band12	5MHz	16QAM	23155	1RB#0	25.19	PASS
Band12	5MHz	QPSK	23155	1RB#12	26.54	PASS
Band12	5MHz	16QAM	23155	1RB#12	25.20	PASS
Band12	5MHz	QPSK	23155	1RB#24	26.45	PASS
Band12	5MHz	16QAM	23155	1RB#24	25.16	PASS
Band12	5MHz	QPSK	23155	12RB#0	25.37	PASS
Band12	5MHz	16QAM	23155	12RB#0	24.30	PASS

Band12	5MHz	QPSK	23155	12RB#6	25.38	PASS
Band12	5MHz	16QAM	23155	12RB#6	24.29	PASS
Band12	5MHz	QPSK	23155	12RB#13	25.19	PASS
Band12	5MHz	16QAM	23155	12RB#13	24.11	PASS
Band12	5MHz	QPSK	23155	25RB#0	25.28	PASS
Band12	5MHz	16QAM	23155	25RB#0	24.26	PASS
Band12	10MHz	QPSK	23060	1RB#0	27.19	PASS
Band12	10MHz	16QAM	23060	1RB#0	25.31	PASS
Band12	10MHz	QPSK	23060	1RB#24	26.42	PASS
Band12	10MHz	16QAM	23060	1RB#24	25.42	PASS
Band12	10MHz	QPSK	23060	1RB#49	26.44	PASS
Band12	10MHz	16QAM	23060	1RB#49	25.23	PASS
Band12	10MHz	QPSK	23060	25RB#0	25.45	PASS
Band12	10MHz	16QAM	23060	25RB#0	24.37	PASS
Band12	10MHz	QPSK	23060	25RB#12	25.45	PASS
Band12	10MHz	16QAM	23060	25RB#12	24.38	PASS
Band12	10MHz	QPSK	23060	25RB#25	25.38	PASS
Band12	10MHz	16QAM	23060	25RB#25	24.33	PASS
Band12	10MHz	QPSK	23060	50RB#0	25.42	PASS
Band12	10MHz	16QAM	23060	50RB#0	24.38	PASS
Band12	10MHz	QPSK	23095	1RB#0	26.52	PASS
Band12	10MHz	16QAM	23095	1RB#0	25.12	PASS
Band12	10MHz	QPSK	23095	1RB#24	26.62	PASS
Band12	10MHz	16QAM	23095	1RB#24	25.18	PASS
Band12	10MHz	QPSK	23095	1RB#49	26.50	PASS
Band12	10MHz	16QAM	23095	1RB#49	25.05	PASS
Band12	10MHz	QPSK	23095	25RB#0	25.45	PASS
Band12	10MHz	16QAM	23095	25RB#0	24.51	PASS
Band12	10MHz	QPSK	23095	25RB#12	25.45	PASS
Band12	10MHz	16QAM	23095	25RB#12	24.50	PASS
Band12	10MHz	QPSK	23095	25RB#25	25.45	PASS
Band12	10MHz	16QAM	23095	25RB#25	24.41	PASS
Band12	10MHz	QPSK	23095	50RB#0	25.40	PASS
Band12	10MHz	16QAM	23095	50RB#0	24.40	PASS
Band12	10MHz	QPSK	23130	1RB#0	27.06	PASS
Band12	10MHz	16QAM	23130	1RB#0	25.61	PASS
Band12	10MHz	QPSK	23130	1RB#24	26.67	PASS
Band12	10MHz	16QAM	23130	1RB#24	25.16	PASS
Band12	10MHz	QPSK	23130	1RB#49	26.50	PASS
Band12	10MHz	16QAM	23130	1RB#49	25.02	PASS
Band12	10MHz	QPSK	23130	25RB#0	25.21	PASS
Band12	10MHz	16QAM	23130	25RB#0	24.16	PASS

Band12	10MHz	QPSK	23130	25RB#12	25.23	PASS
Band12	10MHz	16QAM	23130	25RB#12	24.21	PASS
Band12	10MHz	QPSK	23130	25RB#25	25.13	PASS
Band12	10MHz	16QAM	23130	25RB#25	24.15	PASS
Band12	10MHz	QPSK	23130	50RB#0	25.17	PASS
Band12	10MHz	16QAM	23130	50RB#0	24.15	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	2.29	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3.57	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	3.07	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	4.12	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	2.72	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3.88	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	8.46	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	4.46	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	2.20	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.96	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	3.22	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	4.23	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	2.29	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	3.36	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	8.46	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	4.17	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	2.64	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	3.77	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	8.43	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	4.64	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.61	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.51	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.67	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	4.46	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	2.41	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	3.39	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	3.74	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.61	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	3.22	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	4.09	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	8.46	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.64	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	2.32	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	3.19	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	3.51	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.41	13	PASS

Band12	10MHz	QPSK	23060	1RB#0	2.29	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	3.39	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	3.88	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	4.81	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	2.87	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	3.94	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.46	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	4.61	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	8.46	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	4.00	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	3.83	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	4.70	13	PASS

Test Graphs



