

Appendix for Band 12

Product Name: Smart Phone

Model No: K50

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.09	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.16	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.13	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.21	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.12	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.16	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.01	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.17	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.00	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.18	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.01	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.26	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.23	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.42	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.24	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.36	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.24	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.43	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.26	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.42	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.20	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.39	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.21	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.42	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.21	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.36	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.22	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.37	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.33	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.33	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.36	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.34	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.31	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.38	PASS

Band12	1.4MHz	16QAM	23173	3RB#0	22.25	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.39	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.21	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.38	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.26	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.41	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.42	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.30	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.28	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.38	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.31	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.39	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.36	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.36	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.35	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.37	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.36	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.38	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.37	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.37	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.39	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.49	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.34	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.44	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.22	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.46	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.28	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.40	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.40	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.40	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.41	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.39	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.36	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.40	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.29	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.49	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.48	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.45	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.40	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.47	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.51	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.47	PASS

Band12	3MHz	16QAM	23165	8RB#0	21.52	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.47	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.46	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.42	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.42	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.47	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.46	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.55	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.38	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.56	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.40	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.58	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.45	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.43	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.40	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.43	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.41	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.43	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.42	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.46	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.43	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.45	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.50	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.55	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.53	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.54	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.56	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.45	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.52	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.47	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.53	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.45	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.52	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.48	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.43	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.68	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.52	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.66	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.48	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.72	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.52	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.51	PASS

Band12	5MHz	16QAM	23155	12RB#0	21.52	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.50	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.49	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.46	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.45	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.51	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.51	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.44	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.43	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.43	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.42	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.74	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.52	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.44	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.42	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.43	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.39	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.47	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.45	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.44	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.41	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.51	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.39	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.48	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.35	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.56	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.44	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.46	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.44	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.45	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.43	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.49	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.48	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.45	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.43	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.54	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.30	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.46	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.23	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.50	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.35	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.48	PASS

Band12	10MHz	16QAM	23130	25RB#0	21.49	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.47	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.47	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.40	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.44	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.48	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.44	PASS

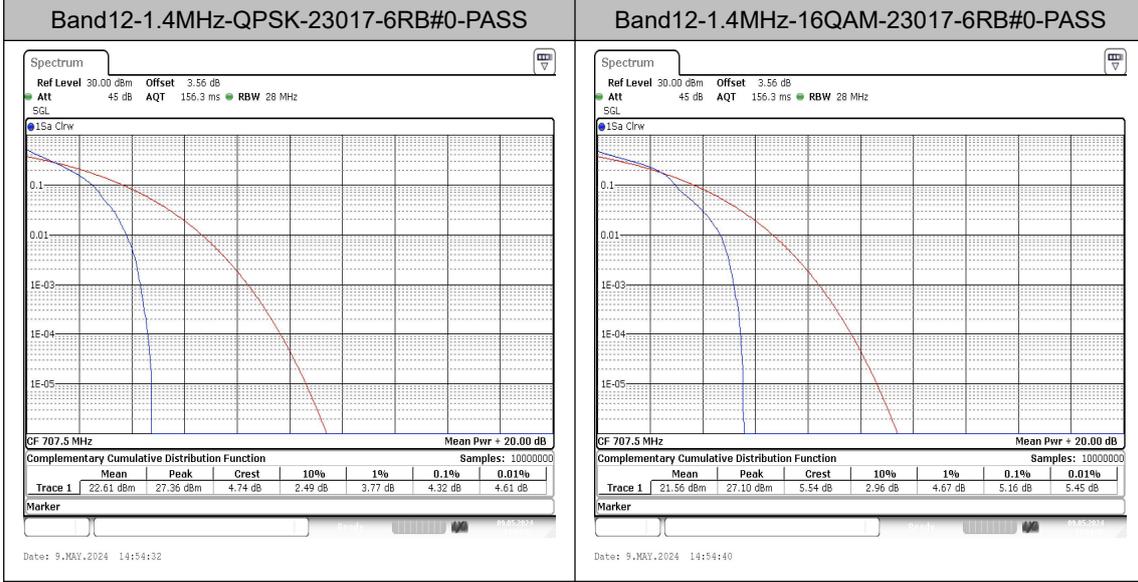
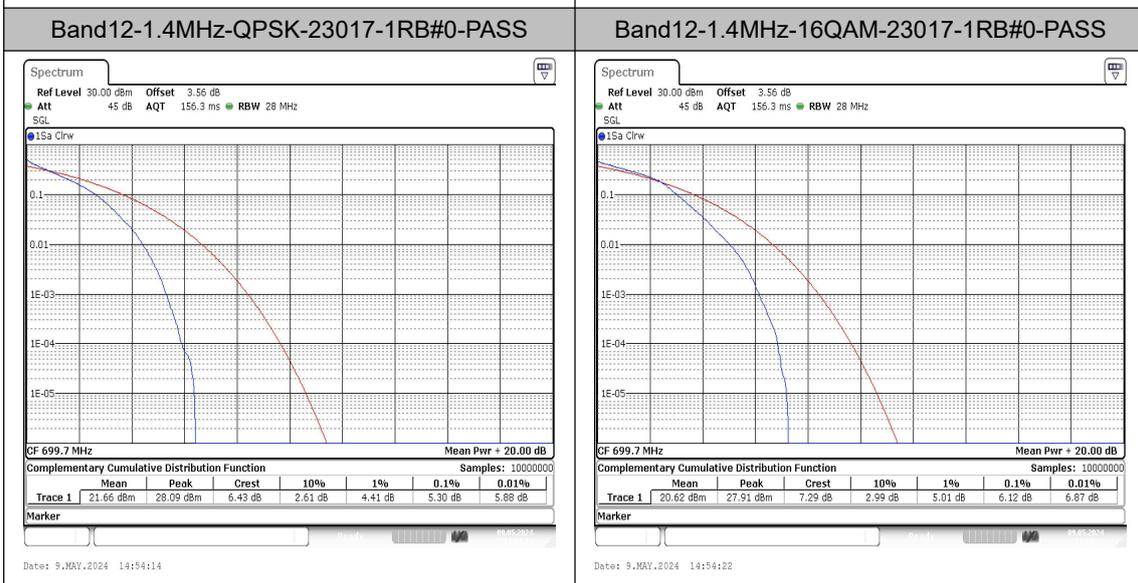
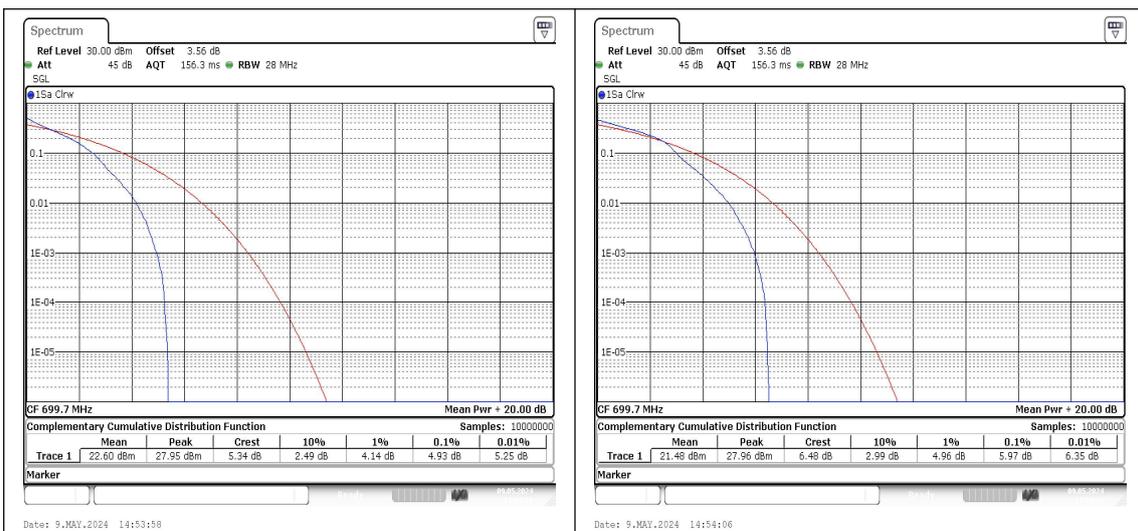
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.93	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.97	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.30	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.12	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.32	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.16	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.87	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.74	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3.94	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.93	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.23	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.13	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.67	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.57	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.39	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.20	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.09	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.01	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.93	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.74	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.23	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.16	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.67	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.59	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.99	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.59	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.33	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.09	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.46	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.22	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.96	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.74	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.67	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.36	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.93	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.77	13	PASS

Band12	10MHz	QPSK	23060	1RB#0	4.90	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.77	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.25	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.03	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.58	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.45	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.13	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.97	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.20	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.10	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.01	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.88	13	PASS

Test Graphs



Band12-1.4MHz-QPSK-23095-1RB#0-PASS

Band12-1.4MHz-16QAM-23095-1RB#0-PASS

