

Appendix for LTE Band 12

Product Name: Kipy Watch Plus

Model No: KIPY_PLUS

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.24	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.41	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.61	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.56	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.67	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.70	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.71	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.06	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.42	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.43	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.38	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.55	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.48	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.72	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.17	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.12	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.08	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.18	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.17	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.12	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.14	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.04	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.10	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.04	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.94	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	23.10	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.91	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.18	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.12	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.93	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.71	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.99	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.90	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.72	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.91	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.82	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.05	PASS

Band12	1.4MHz	16QAM	23173	1RB#5	22.51	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.79	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.80	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.61	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.07	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.69	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.58	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.82	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.75	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.62	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.79	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.57	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.88	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.88	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.83	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.84	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.20	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.25	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.29	PASS
Band12	3MHz	QPSK	23095	8RB#0	23.11	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.15	PASS
Band12	3MHz	QPSK	23095	8RB#7	23.19	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.17	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.13	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.23	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.05	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.19	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.15	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.25	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.13	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.36	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.15	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.65	PASS
Band12	3MHz	QPSK	23165	8RB#0	23.24	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.13	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.98	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.07	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.03	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.07	PASS

Band12	3MHz	16QAM	23165	1RB#14	22.44	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.27	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.13	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.02	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.04	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.81	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.81	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.33	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.72	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.76	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.49	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.60	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.78	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.67	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.31	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.79	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.82	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.52	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.66	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.39	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.17	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.56	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.21	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.23	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.30	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.24	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.19	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.08	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.50	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.24	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.29	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.33	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.28	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.65	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.31	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.69	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.46	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.41	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.12	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.20	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.76	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.36	PASS

Band12	5MHz	16QAM	23155	1RB#24	22.68	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.58	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.50	PASS
Band12	5MHz	16QAM	23155	12RB#13	22.15	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.29	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.86	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.44	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.21	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.56	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.40	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.12	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.35	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.85	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.33	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.27	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.57	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.45	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.17	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.04	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.08	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.10	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.13	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.13	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.20	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.18	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.03	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.03	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.09	PASS
Band12	10MHz	16QAM	23095	25RB#0	23.13	PASS
Band12	10MHz	16QAM	23095	25RB#12	23.18	PASS
Band12	10MHz	16QAM	23095	25RB#25	23.17	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.15	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.65	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.94	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.25	PASS
Band12	10MHz	QPSK	23130	25RB#12	23.55	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.26	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.25	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.12	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.61	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.90	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.27	PASS

Band12	10MHz	16QAM	23130	25RB#12	22.58	PASS
Band12	10MHz	16QAM	23130	25RB#25	22.26	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	5.07	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.22	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.59	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.97	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.25	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.28	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.83	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.03	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.16	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.16	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.51	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.97	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.19	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.33	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.51	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.09	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.39	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.28	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.91	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.03	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.22	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.28	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.57	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.00	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.13	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.39	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.28	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.06	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.51	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.28	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.71	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.94	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.93	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.28	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.10	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.97	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.25	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.39	13	PASS

Band12	10MHz	16QAM	23060	1RB#0	5.65	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.39	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.51	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.29	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.33	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.33	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.83	13	PASS

Test Graphs



