

Appendix for LTE Band 5

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
Band5	1.4MHz	QPSK	20407	1RB#0	23.31	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.39	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.46	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.50	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.55	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.56	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.56	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.40	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.40	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.48	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.56	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.42	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	23.34	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.44	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.77	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.90	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.95	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.81	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.91	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.95	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.87	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.63	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.85	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.78	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.56	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.78	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.73	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.92	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.11	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.99	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.05	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.05	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.08	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.03	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.04	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.91	PASS

Band5	1.4MHz	16QAM	20643	1RB#2	22.98	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.87	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.80	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.93	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.80	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.09	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.64	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.74	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.60	PASS
Band5	3MHz	QPSK	20415	8RB#0	23.65	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.76	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.71	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.76	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.61	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.64	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.65	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.72	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.83	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.80	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.80	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.66	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.01	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.97	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.78	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.97	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.01	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.93	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.64	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.88	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.93	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.85	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.03	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.09	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.04	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.20	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.10	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.99	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.16	PASS
Band5	3MHz	QPSK	20635	8RB#4	23.05	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.97	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.07	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.12	PASS

Band5	3MHz	16QAM	20635	1RB#8	22.97	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.97	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.25	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.05	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.07	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.07	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.85	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.67	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.76	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.62	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.65	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.65	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.53	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.72	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.65	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.65	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.65	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.67	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.72	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.69	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.81	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.96	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.43	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.70	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.98	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.05	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.95	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.67	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.85	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.32	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.79	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.04	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.08	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.04	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.42	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.22	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.14	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.19	PASS
Band5	5MHz	QPSK	20625	12RB#6	23.29	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.07	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.21	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.31	PASS

Band5	5MHz	16QAM	20625	1RB#12	23.11	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.01	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.24	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.36	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.18	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.27	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.97	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.62	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.78	PASS
Band5	10MHz	QPSK	20450	25RB#0	23.53	PASS
Band5	10MHz	QPSK	20450	25RB#12	23.51	PASS
Band5	10MHz	QPSK	20450	25RB#25	23.01	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.25	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.96	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.53	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.77	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.58	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.63	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.07	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.60	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.78	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.43	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.50	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.91	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.13	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.96	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.76	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.71	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.25	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.62	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.98	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.26	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.46	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.35	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.93	PASS
Band5	10MHz	QPSK	20600	25RB#0	23.21	PASS
Band5	10MHz	QPSK	20600	25RB#12	23.31	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.08	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.20	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.41	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.20	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.95	PASS

Band5	10MHz	16QAM	20600	25RB#0	22.30	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.33	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.13	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	4.75	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.84	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.28	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.68	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.58	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.55	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	4.87	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.39	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.26	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.43	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.67	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.22	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.78	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.96	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.13	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.77	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.70	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.55	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.01	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.33	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.20	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.32	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.46	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.16	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.75	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.10	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	4.87	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.80	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.81	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.55	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.01	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.30	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.17	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.23	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.32	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.04	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.90	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.16	13	PASS

Band5	10MHz	16QAM	20450	1RB#0	5.22	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.16	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.90	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.54	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.35	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.55	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.61	13	PASS

Test Graphs



