

Appendix for LTE Band 4

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
Band4	1.4MHz	QPSK	19957	1RB#0	22.42	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.18	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.12	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.02	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	21.97	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	21.93	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.88	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.07	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.24	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.92	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.83	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.85	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.74	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.74	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.12	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.06	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.08	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.02	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.02	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.04	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.85	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.97	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.83	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.79	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.91	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.78	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.97	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	20.96	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	20.81	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	20.69	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	20.73	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	20.97	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	20.84	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	20.76	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	20.79	PASS

Band4	1.4MHz	16QAM	20393	1RB#2	20.76	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	20.59	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.92	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.79	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.54	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.74	PASS
Band4	3MHz	QPSK	19965	1RB#0	21.86	PASS
Band4	3MHz	QPSK	19965	1RB#8	21.80	PASS
Band4	3MHz	QPSK	19965	1RB#14	21.65	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.76	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.78	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.73	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.75	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.79	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.75	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.63	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.80	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.78	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.75	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.75	PASS
Band4	3MHz	QPSK	20175	1RB#0	21.94	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.20	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.13	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.04	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.06	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.07	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.91	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.13	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.90	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.99	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.95	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.04	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.92	PASS
Band4	3MHz	QPSK	20385	1RB#0	21.07	PASS
Band4	3MHz	QPSK	20385	1RB#8	20.89	PASS
Band4	3MHz	QPSK	20385	1RB#14	20.70	PASS
Band4	3MHz	QPSK	20385	8RB#0	20.81	PASS
Band4	3MHz	QPSK	20385	8RB#4	20.83	PASS
Band4	3MHz	QPSK	20385	8RB#7	20.76	PASS
Band4	3MHz	QPSK	20385	15RB#0	20.78	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.96	PASS

Band4	3MHz	16QAM	20385	1RB#8	20.84	PASS
Band4	3MHz	16QAM	20385	1RB#14	20.67	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.85	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.84	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.79	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.82	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.21	PASS
Band4	5MHz	QPSK	19975	1RB#12	21.96	PASS
Band4	5MHz	QPSK	19975	1RB#24	21.89	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.81	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.85	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.71	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.71	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.05	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.84	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.78	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.79	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.84	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.67	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.71	PASS
Band4	5MHz	QPSK	20175	1RB#0	21.94	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.03	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.04	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.86	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.01	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.95	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.97	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.12	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.10	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.88	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.05	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.04	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.89	PASS
Band4	5MHz	QPSK	20375	1RB#0	21.34	PASS
Band4	5MHz	QPSK	20375	1RB#12	20.96	PASS
Band4	5MHz	QPSK	20375	1RB#24	20.83	PASS
Band4	5MHz	QPSK	20375	12RB#0	20.91	PASS
Band4	5MHz	QPSK	20375	12RB#6	20.90	PASS
Band4	5MHz	QPSK	20375	12RB#13	20.75	PASS
Band4	5MHz	QPSK	20375	25RB#0	20.78	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.16	PASS

Band4	5MHz	16QAM	20375	1RB#12	20.84	PASS
Band4	5MHz	16QAM	20375	1RB#24	20.72	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.92	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.91	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.72	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.56	PASS
Band4	10MHz	QPSK	20000	1RB#0	21.94	PASS
Band4	10MHz	QPSK	20000	1RB#24	21.68	PASS
Band4	10MHz	QPSK	20000	1RB#49	21.72	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.51	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.63	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.51	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.53	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.88	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.62	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.70	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.49	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.61	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.46	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.56	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.36	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.26	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.90	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.09	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.01	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.93	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.31	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.27	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.24	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.81	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.05	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.97	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.86	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.01	PASS
Band4	10MHz	QPSK	20350	1RB#49	21.38	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.67	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.51	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.12	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.24	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.34	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.80	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.02	PASS

Band4	10MHz	16QAM	20350	25RB#0	20.68	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.51	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.39	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.84	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.48	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.67	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.40	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.13	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.28	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.24	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.42	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.82	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.31	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.31	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.32	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.24	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.91	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.68	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.48	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.32	PASS
Band4	15MHz	QPSK	20175	38RB#18	22.12	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.16	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.23	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.63	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.55	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.45	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.27	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.19	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.13	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.21	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.55	PASS
Band4	15MHz	QPSK	20325	1RB#74	21.66	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.75	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.67	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.05	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.79	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.33	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.28	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.13	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.83	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.72	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.51	PASS

Band4	20MHz	QPSK	20050	50RB#0	22.23	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.45	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.23	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.85	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.70	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.50	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.54	PASS
Band4	20MHz	16QAM	20050	50RB#25	22.32	PASS
Band4	20MHz	16QAM	20050	50RB#50	22.14	PASS
Band4	20MHz	16QAM	20050	100RB#0	22.03	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.69	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.63	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.35	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.11	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.78	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.28	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.45	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.14	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.30	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.75	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.94	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.50	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.69	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.89	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.66	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.52	PASS

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	5.33	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.45	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.97	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.23	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	5.54	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.59	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	6.20	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.35	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	5.48	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.62	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	6.17	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.38	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	5.45	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.51	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.91	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.29	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	5.57	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.57	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	6.49	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.43	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	5.30	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.51	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.80	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.32	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	5.45	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.57	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.65	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.26	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	5.74	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.62	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.94	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.32	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	5.36	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.57	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	5.57	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.26	13	PASS

Band4	10MHz	QPSK	20000	1RB#0	4.78	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.30	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.22	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	5.54	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.45	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	6.00	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.49	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.99	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	4.84	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	5.04	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.71	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.45	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	5.65	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.68	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	6.26	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	4.72	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.13	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.10	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.81	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.39	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.42	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	5.45	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.28	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	5.86	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	5.01	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.90	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.30	13	PASS

Test Graphs



