

Appendix RF Test Data for LTE 7

FCC : 2BFV9-VK59

Company : SHENZHEN SHENGYE TECHNOLOGY CO., LTD

EUT : KIDS SMART WATCH

Model Number : VK59

Report No. : CTA26052902205

Reviewed By : Eric Wang

APPENDIX A: CONDUCTED OUTPUT POWER

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Band7	5	20775	1	#0	QPSK	21.26	PASS
Band7	5	20775	1	#Mid	QPSK	21.1	PASS
Band7	5	20775	1	#Max	QPSK	20.86	PASS
Band7	5	20775	12	#0	QPSK	19.89	PASS
Band7	5	20775	12	#Mid	QPSK	19.8	PASS
Band7	5	20775	12	#Max	QPSK	19.56	PASS
Band7	5	20775	25	#0	QPSK	19.75	PASS
Band7	5	20775	1	#0	16QAM	20.4	PASS
Band7	5	20775	1	#Mid	16QAM	20.13	PASS
Band7	5	20775	1	#Max	16QAM	19.93	PASS
Band7	5	20775	12	#0	16QAM	19.06	PASS
Band7	5	20775	12	#Mid	16QAM	19.05	PASS
Band7	5	20775	12	#Max	16QAM	18.88	PASS
Band7	5	20775	25	#0	16QAM	19.06	PASS
Band7	5	21100	1	#0	QPSK	21.17	PASS
Band7	5	21100	1	#Mid	QPSK	21.29	PASS
Band7	5	21100	1	#Max	QPSK	21.28	PASS
Band7	5	21100	12	#0	QPSK	20.03	PASS
Band7	5	21100	12	#Mid	QPSK	20.17	PASS
Band7	5	21100	12	#Max	QPSK	20.14	PASS
Band7	5	21100	25	#0	QPSK	20.15	PASS
Band7	5	21100	1	#0	16QAM	20.21	PASS
Band7	5	21100	1	#Mid	16QAM	20.33	PASS
Band7	5	21100	1	#Max	16QAM	20.39	PASS
Band7	5	21100	12	#0	16QAM	19.21	PASS
Band7	5	21100	12	#Mid	16QAM	19.35	PASS
Band7	5	21100	12	#Max	16QAM	19.31	PASS
Band7	5	21100	25	#0	16QAM	19.2	PASS
Band7	5	21425	1	#0	QPSK	20.13	PASS
Band7	5	21425	1	#Mid	QPSK	20.08	PASS
Band7	5	21425	1	#Max	QPSK	20.05	PASS
Band7	5	21425	12	#0	QPSK	18.94	PASS
Band7	5	21425	12	#Mid	QPSK	19.08	PASS
Band7	5	21425	12	#Max	QPSK	19.02	PASS
Band7	5	21425	25	#0	QPSK	19.02	PASS
Band7	5	21425	1	#0	16QAM	19.2	PASS
Band7	5	21425	1	#Mid	16QAM	19.21	PASS
Band7	5	21425	1	#Max	16QAM	19.19	PASS
Band7	5	21425	12	#0	16QAM	17.97	PASS
Band7	5	21425	12	#Mid	16QAM	18.13	PASS
Band7	5	21425	12	#Max	16QAM	17.98	PASS
Band7	5	21425	25	#0	16QAM	17.97	PASS
Band7	10	20800	1	#0	QPSK	21.19	PASS
Band7	10	20800	1	#Mid	QPSK	20.69	PASS
Band7	10	20800	1	#Max	QPSK	20.26	PASS
Band7	10	20800	25	#0	QPSK	19.49	PASS
Band7	10	20800	25	#Mid	QPSK	19.43	PASS
Band7	10	20800	25	#Max	QPSK	18.94	PASS
Band7	10	20800	50	#0	QPSK	19.28	PASS
Band7	10	20800	1	#0	16QAM	20.90	PASS
Band7	10	20800	1	#Mid	16QAM	20.13	PASS
Band7	10	20800	1	#Max	16QAM	19.50	PASS
Band7	10	20800	25	#0	16QAM	19.33	PASS
Band7	10	20800	25	#Mid	16QAM	18.90	PASS
Band7	10	20800	25	#Max	16QAM	18.28	PASS
Band7	10	20800	50	#0	16QAM	18.65	PASS
Band7	10	21100	1	#0	QPSK	20.91	PASS
Band7	10	21100	1	#Mid	QPSK	21.21	PASS
Band7	10	21100	1	#Max	QPSK	21.11	PASS
Band7	10	21100	25	#0	QPSK	19.72	PASS
Band7	10	21100	25	#Mid	QPSK	20.06	PASS
Band7	10	21100	25	#Max	QPSK	19.98	PASS

Band7	10	21100	50	#0	QPSK	19.97	PASS
Band7	10	21100	1	#0	16QAM	20.87	PASS
Band7	10	21100	1	#Mid	16QAM	21.03	PASS
Band7	10	21100	1	#Max	16QAM	20.97	PASS
Band7	10	21100	25	#0	16QAM	19.70	PASS
Band7	10	21100	25	#Mid	16QAM	19.62	PASS
Band7	10	21100	25	#Max	16QAM	19.62	PASS
Band7	10	21100	50	#0	16QAM	19.57	PASS
Band7	10	21400	1	#0	QPSK	20	PASS
Band7	10	21400	1	#Mid	QPSK	20.01	PASS
Band7	10	21400	1	#Max	QPSK	19.99	PASS
Band7	10	21400	25	#0	QPSK	18.68	PASS
Band7	10	21400	25	#Mid	QPSK	18.86	PASS
Band7	10	21400	25	#Max	QPSK	18.81	PASS
Band7	10	21400	50	#0	QPSK	18.77	PASS
Band7	10	21400	1	#0	16QAM	19.45	PASS
Band7	10	21400	1	#Mid	16QAM	20.00	PASS
Band7	10	21400	1	#Max	16QAM	19.55	PASS
Band7	10	21400	25	#0	16QAM	18.15	PASS
Band7	10	21400	25	#Mid	16QAM	18.25	PASS
Band7	10	21400	25	#Max	16QAM	18.67	PASS
Band7	10	21400	50	#0	16QAM	18.57	PASS
Band7	15	20825	1	#0	QPSK	21.12	PASS
Band7	15	20825	1	#Mid	QPSK	20.47	PASS
Band7	15	20825	1	#Max	QPSK	20.01	PASS
Band7	15	20825	36	#0	QPSK	19.43	PASS
Band7	15	20825	36	#Mid	QPSK	19.11	PASS
Band7	15	20825	36	#Max	QPSK	18.71	PASS
Band7	15	20825	75	#0	QPSK	19.07	PASS
Band7	15	20825	1	#0	16QAM	21.12	PASS
Band7	15	20825	1	#Mid	16QAM	20.36	PASS
Band7	15	20825	1	#Max	16QAM	19.38	PASS
Band7	15	20825	36	#0	16QAM	19.30	PASS
Band7	15	20825	36	#Mid	16QAM	18.90	PASS
Band7	15	20825	36	#Max	16QAM	18.60	PASS
Band7	15	20825	75	#0	16QAM	18.88	PASS
Band7	15	21100	1	#0	QPSK	20.82	PASS
Band7	15	21100	1	#Mid	QPSK	21.24	PASS
Band7	15	21100	1	#Max	QPSK	21.06	PASS
Band7	15	21100	36	#0	QPSK	19.83	PASS
Band7	15	21100	36	#Mid	QPSK	20.15	PASS
Band7	15	21100	36	#Max	QPSK	20.11	PASS
Band7	15	21100	75	#0	QPSK	20.07	PASS
Band7	15	21100	1	#0	16QAM	20.36	PASS
Band7	15	21100	1	#Mid	16QAM	21.31	PASS
Band7	15	21100	1	#Max	16QAM	20.49	PASS
Band7	15	21100	36	#0	16QAM	19.57	PASS
Band7	15	21100	36	#Mid	16QAM	20.11	PASS
Band7	15	21100	36	#Max	16QAM	19.52	PASS
Band7	15	21100	75	#0	16QAM	20.02	PASS
Band7	15	21375	1	#0	QPSK	20.16	PASS
Band7	15	21375	1	#Mid	QPSK	20.08	PASS
Band7	15	21375	1	#Max	QPSK	20.06	PASS
Band7	15	21375	36	#0	QPSK	18.8	PASS
Band7	15	21375	36	#Mid	QPSK	18.99	PASS
Band7	15	21375	36	#Max	QPSK	18.98	PASS
Band7	15	21375	75	#0	QPSK	18.95	PASS
Band7	15	21375	1	#0	16QAM	19.99	PASS
Band7	15	21375	1	#Mid	16QAM	19.46	PASS
Band7	15	21375	1	#Max	16QAM	19.48	PASS
Band7	15	21375	36	#0	16QAM	18.23	PASS
Band7	15	21375	36	#Mid	16QAM	18.40	PASS
Band7	15	21375	36	#Max	16QAM	18.61	PASS
Band7	15	21375	75	#0	16QAM	18.41	PASS
Band7	20	20850	1	#0	QPSK	21.25	PASS
Band7	20	20850	1	#Mid	QPSK	20.34	PASS

Band7	20	20850	1	#Max	QPSK	20.05	PASS
Band7	20	20850	50	#0	QPSK	19.32	PASS
Band7	20	20850	50	#Mid	QPSK	18.96	PASS
Band7	20	20850	50	#Max	QPSK	18.7	PASS
Band7	20	20850	100	#0	QPSK	18.88	PASS
Band7	20	20850	1	#0	16QAM	20.58	PASS
Band7	20	20850	1	#Mid	16QAM	20.47	PASS
Band7	20	20850	1	#Max	16QAM	20.16	PASS
Band7	20	20850	50	#0	16QAM	19.32	PASS
Band7	20	20850	50	#Mid	16QAM	18.31	PASS
Band7	20	20850	50	#Max	16QAM	18.62	PASS
Band7	20	20850	100	#0	16QAM	18.70	PASS
Band7	20	21100	1	#0	QPSK	20.7	PASS
Band7	20	21100	1	#Mid	QPSK	21.37	PASS
Band7	20	21100	1	#Max	QPSK	21.01	PASS
Band7	20	21100	50	#0	QPSK	19.74	PASS
Band7	20	21100	50	#Mid	QPSK	20.48	PASS
Band7	20	21100	50	#Max	QPSK	20.51	PASS
Band7	20	21100	100	#0	QPSK	20.4	PASS
Band7	20	21100	1	#0	16QAM	20.33	PASS
Band7	20	21100	1	#Mid	16QAM	21.38	PASS
Band7	20	21100	1	#Max	16QAM	20.28	PASS
Band7	20	21100	50	#0	16QAM	19.08	PASS
Band7	20	21100	50	#Mid	16QAM	20.08	PASS
Band7	20	21100	50	#Max	16QAM	20.51	PASS
Band7	20	21100	100	#0	16QAM	20.32	PASS
Band7	20	21350	1	#0	QPSK	20.61	PASS
Band7	20	21350	1	#Mid	QPSK	20.35	PASS
Band7	20	21350	1	#Max	QPSK	20.27	PASS
Band7	20	21350	50	#0	QPSK	19.11	PASS
Band7	20	21350	50	#Mid	QPSK	19.18	PASS
Band7	20	21350	50	#Max	QPSK	19.16	PASS
Band7	20	21350	100	#0	QPSK	19.1	PASS
Band7	20	21350	1	#0	16QAM	20.04	PASS
Band7	20	21350	1	#Mid	16QAM	19.71	PASS
Band7	20	21350	1	#Max	16QAM	20.44	PASS
Band7	20	21350	50	#0	16QAM	18.85	PASS
Band7	20	21350	50	#Mid	16QAM	18.93	PASS
Band7	20	21350	50	#Max	16QAM	19.19	PASS
Band7	20	21350	100	#0	16QAM	18.99	PASS

APPENDIX B: PEAK-TO-AVERAGE RATIO(CCDF)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.38	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.79	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.60	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.27	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.20	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	6.04	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.69	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.37	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.80	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.42	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.49	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.17	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.64	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.47	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.62	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.36	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	5.12	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	6.02	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.76	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.50	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.69	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.35	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.56	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.34	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.71	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.61	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.94	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.45	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.16	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	6.12	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	6.08	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.53	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.59	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.44	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	6.03	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.52	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.65	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.65	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.69	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.43	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	5.36	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	6.14	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.85	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.51	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.30	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.58	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.78	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.53	13	PASS









