

Appendix RF Test Data for LTE 5

FCC : 2BFV9-VK59

Company : SHENZHEN SHENGYE TECHNOLOGY CO., LTD

EUT : KIDS SMART WATCH

Model Number : VK59

Report No. : CTA26052902204

Reviewed By : Eric Wang

APPENDIX A: CONDUCTED OUTPUT POWER

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Verdict
Band5	1.4	20407	1	#0	QPSK	26.14	PASS
Band5	1.4	20407	1	#Mid	QPSK	26.2	PASS
Band5	1.4	20407	1	#Max	QPSK	26.25	PASS
Band5	1.4	20407	3	#0	QPSK	26.21	PASS
Band5	1.4	20407	3	#Mid	QPSK	26.23	PASS
Band5	1.4	20407	3	#Max	QPSK	26.24	PASS
Band5	1.4	20407	6	#0	QPSK	25.24	PASS
Band5	1.4	20407	1	#0	16QAM	25.01	PASS
Band5	1.4	20407	1	#Mid	16QAM	25.07	PASS
Band5	1.4	20407	1	#Max	16QAM	25.1	PASS
Band5	1.4	20407	3	#0	16QAM	25.16	PASS
Band5	1.4	20407	3	#Mid	16QAM	25.19	PASS
Band5	1.4	20407	3	#Max	16QAM	25.2	PASS
Band5	1.4	20407	6	#0	16QAM	24.16	PASS
Band5	1.4	20525	1	#0	QPSK	25.3	PASS
Band5	1.4	20525	1	#Mid	QPSK	25.36	PASS
Band5	1.4	20525	1	#Max	QPSK	25.37	PASS
Band5	1.4	20525	3	#0	QPSK	25.32	PASS
Band5	1.4	20525	3	#Mid	QPSK	25.33	PASS
Band5	1.4	20525	3	#Max	QPSK	25.37	PASS
Band5	1.4	20525	6	#0	QPSK	24.46	PASS
Band5	1.4	20525	1	#0	16QAM	24.31	PASS
Band5	1.4	20525	1	#Mid	16QAM	24.37	PASS
Band5	1.4	20525	1	#Max	16QAM	24.35	PASS
Band5	1.4	20525	3	#0	16QAM	24.35	PASS
Band5	1.4	20525	3	#Mid	16QAM	24.38	PASS
Band5	1.4	20525	3	#Max	16QAM	24.37	PASS
Band5	1.4	20525	6	#0	16QAM	23.53	PASS
Band5	1.4	20643	1	#0	QPSK	25.18	PASS
Band5	1.4	20643	1	#Mid	QPSK	25.09	PASS
Band5	1.4	20643	1	#Max	QPSK	25.1	PASS
Band5	1.4	20643	3	#0	QPSK	25.18	PASS
Band5	1.4	20643	3	#Mid	QPSK	25.12	PASS
Band5	1.4	20643	3	#Max	QPSK	25.14	PASS
Band5	1.4	20643	6	#0	QPSK	24.2	PASS
Band5	1.4	20643	1	#0	16QAM	24.3	PASS
Band5	1.4	20643	1	#Mid	16QAM	24.23	PASS
Band5	1.4	20643	1	#Max	16QAM	24.28	PASS
Band5	1.4	20643	3	#0	16QAM	24.26	PASS
Band5	1.4	20643	3	#Mid	16QAM	24.26	PASS
Band5	1.4	20643	3	#Max	16QAM	24.2	PASS
Band5	1.4	20643	6	#0	16QAM	23.36	PASS
Band5	3.0	20415	1	#0	QPSK	26.14	PASS
Band5	3.0	20415	1	#Mid	QPSK	26.3	PASS
Band5	3.0	20415	1	#Max	QPSK	26.06	PASS
Band5	3.0	20415	8	#0	QPSK	25.24	PASS
Band5	3.0	20415	8	#Mid	QPSK	25.27	PASS
Band5	3.0	20415	8	#Max	QPSK	25.21	PASS
Band5	3.0	20415	15	#0	QPSK	25.22	PASS
Band5	3.0	20415	1	#0	16QAM	25.21	PASS
Band5	3.0	20415	1	#Mid	16QAM	25.4	PASS
Band5	3.0	20415	1	#Max	16QAM	25.14	PASS
Band5	3.0	20415	8	#0	16QAM	24.06	PASS
Band5	3.0	20415	8	#Mid	16QAM	24.1	PASS
Band5	3.0	20415	8	#Max	16QAM	24.04	PASS
Band5	3.0	20415	15	#0	16QAM	23.94	PASS
Band5	3.0	20525	1	#0	QPSK	25.19	PASS
Band5	3.0	20525	1	#Mid	QPSK	25.33	PASS
Band5	3.0	20525	1	#Max	QPSK	25.33	PASS
Band5	3.0	20525	8	#0	QPSK	24.4	PASS
Band5	3.0	20525	8	#Mid	QPSK	24.46	PASS
Band5	3.0	20525	8	#Max	QPSK	24.5	PASS

Band5	3.0	20525	15	#0	QPSK	24.47	PASS
Band5	3.0	20525	1	#0	16QAM	24.13	PASS
Band5	3.0	20525	1	#Mid	16QAM	24.37	PASS
Band5	3.0	20525	1	#Max	16QAM	24.35	PASS
Band5	3.0	20525	8	#0	16QAM	23.34	PASS
Band5	3.0	20525	8	#Mid	16QAM	23.42	PASS
Band5	3.0	20525	8	#Max	16QAM	23.5	PASS
Band5	3.0	20525	15	#0	16QAM	23.28	PASS
Band5	3.0	20635	1	#0	QPSK	25.16	PASS
Band5	3.0	20635	1	#Mid	QPSK	25.16	PASS
Band5	3.0	20635	1	#Max	QPSK	25.06	PASS
Band5	3.0	20635	8	#0	QPSK	24.26	PASS
Band5	3.0	20635	8	#Mid	QPSK	24.25	PASS
Band5	3.0	20635	8	#Max	QPSK	24.26	PASS
Band5	3.0	20635	15	#0	QPSK	24.27	PASS
Band5	3.0	20635	1	#0	16QAM	24.31	PASS
Band5	3.0	20635	1	#Mid	16QAM	24.32	PASS
Band5	3.0	20635	1	#Max	16QAM	24.21	PASS
Band5	3.0	20635	8	#0	16QAM	23.33	PASS
Band5	3.0	20635	8	#Mid	16QAM	23.29	PASS
Band5	3.0	20635	8	#Max	16QAM	23.31	PASS
Band5	3.0	20635	15	#0	16QAM	23.39	PASS
Band5	5.0	20425	1	#0	QPSK	26.23	PASS
Band5	5.0	20425	1	#Mid	QPSK	26.15	PASS
Band5	5.0	20425	1	#Max	QPSK	25.84	PASS
Band5	5.0	20425	12	#0	QPSK	25.19	PASS
Band5	5.0	20425	12	#Mid	QPSK	25.15	PASS
Band5	5.0	20425	12	#Max	QPSK	24.88	PASS
Band5	5.0	20425	25	#0	QPSK	25.02	PASS
Band5	5.0	20425	1	#0	16QAM	25.54	PASS
Band5	5.0	20425	1	#Mid	16QAM	25.39	PASS
Band5	5.0	20425	1	#Max	16QAM	25.04	PASS
Band5	5.0	20425	12	#0	16QAM	23.96	PASS
Band5	5.0	20425	12	#Mid	16QAM	23.91	PASS
Band5	5.0	20425	12	#Max	16QAM	23.65	PASS
Band5	5.0	20425	25	#0	16QAM	23.83	PASS
Band5	5.0	20525	1	#0	QPSK	25.27	PASS
Band5	5.0	20525	1	#Mid	QPSK	25.35	PASS
Band5	5.0	20525	1	#Max	QPSK	25.53	PASS
Band5	5.0	20525	12	#0	QPSK	24.28	PASS
Band5	5.0	20525	12	#Mid	QPSK	24.49	PASS
Band5	5.0	20525	12	#Max	QPSK	24.54	PASS
Band5	5.0	20525	25	#0	QPSK	24.46	PASS
Band5	5.0	20525	1	#0	16QAM	24.38	PASS
Band5	5.0	20525	1	#Mid	16QAM	24.45	PASS
Band5	5.0	20525	1	#Max	16QAM	24.62	PASS
Band5	5.0	20525	12	#0	16QAM	23.28	PASS
Band5	5.0	20525	12	#Mid	16QAM	23.46	PASS
Band5	5.0	20525	12	#Max	16QAM	23.48	PASS
Band5	5.0	20525	25	#0	16QAM	23.32	PASS
Band5	5.0	20625	1	#0	QPSK	25.34	PASS
Band5	5.0	20625	1	#Mid	QPSK	25.24	PASS
Band5	5.0	20625	1	#Max	QPSK	25.2	PASS
Band5	5.0	20625	12	#0	QPSK	24.3	PASS
Band5	5.0	20625	12	#Mid	QPSK	24.33	PASS
Band5	5.0	20625	12	#Max	QPSK	24.25	PASS
Band5	5.0	20625	25	#0	QPSK	24.26	PASS
Band5	5.0	20625	1	#0	16QAM	24.5	PASS
Band5	5.0	20625	1	#Mid	16QAM	24.34	PASS
Band5	5.0	20625	1	#Max	16QAM	24.35	PASS
Band5	5.0	20625	12	#0	16QAM	23.44	PASS
Band5	5.0	20625	12	#Mid	16QAM	23.51	PASS
Band5	5.0	20625	12	#Max	16QAM	23.42	PASS
Band5	5.0	20625	25	#0	16QAM	23.36	PASS
Band5	10	20450	1	#0	QPSK	26.44	PASS
Band5	10	20450	1	#Mid	QPSK	25.59	PASS

Band5	10	20450	1	#Max	QPSK	25.38	PASS
Band5	10	20450	25	#0	QPSK	24.76	PASS
Band5	10	20450	25	#Mid	QPSK	24.58	PASS
Band5	10	20450	25	#Max	QPSK	24.13	PASS
Band5	10	20450	50	#0	QPSK	24.5	PASS
Band5	10	20450	1	#0	16QAM	25.85	PASS
Band5	10	20450	1	#Mid	16QAM	25.52	PASS
Band5	10	20450	1	#Max	16QAM	25.31	PASS
Band5	10	20450	25	#0	16QAM	24.66	PASS
Band5	10	20450	25	#Mid	16QAM	24.63	PASS
Band5	10	20450	25	#Max	16QAM	23.49	PASS
Band5	10	20450	50	#0	16QAM	24.54	PASS
Band5	10	20525	1	#0	QPSK	25.39	PASS
Band5	10	20525	1	#Mid	QPSK	25.27	PASS
Band5	10	20525	1	#Max	QPSK	25.47	PASS
Band5	10	20525	25	#0	QPSK	24.07	PASS
Band5	10	20525	25	#Mid	QPSK	24.39	PASS
Band5	10	20525	25	#Max	QPSK	24.45	PASS
Band5	10	20525	50	#0	QPSK	24.32	PASS
Band5	10	20525	1	#0	16QAM	24.88	PASS
Band5	10	20525	1	#Mid	16QAM	25.04	PASS
Band5	10	20525	1	#Max	16QAM	24.96	PASS
Band5	10	20525	25	#0	16QAM	23.59	PASS
Band5	10	20525	25	#Mid	16QAM	24.04	PASS
Band5	10	20525	25	#Max	16QAM	23.79	PASS
Band5	10	20525	50	#0	16QAM	23.71	PASS
Band5	10	20600	1	#0	QPSK	25.49	PASS
Band5	10	20600	1	#Mid	QPSK	25.21	PASS
Band5	10	20600	1	#Max	QPSK	25.13	PASS
Band5	10	20600	25	#0	QPSK	24.33	PASS
Band5	10	20600	25	#Mid	QPSK	24.34	PASS
Band5	10	20600	25	#Max	QPSK	24.12	PASS
Band5	10	20600	50	#0	QPSK	24.25	PASS
Band5	10	20600	1	#0	16QAM	25.58	PASS
Band5	10	20600	1	#Mid	16QAM	25.21	PASS
Band5	10	20600	1	#Max	16QAM	24.65	PASS
Band5	10	20600	25	#0	16QAM	23.91	PASS
Band5	10	20600	25	#Mid	16QAM	24.07	PASS
Band5	10	20600	25	#Max	16QAM	23.45	PASS
Band5	10	20600	50	#0	16QAM	24.03	PASS

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

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	3.51	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	4.48	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.47	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.31	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.38	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.45	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.08	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.97	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.27	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.30	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.02	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.88	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	3.47	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	4.22	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.79	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.58	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.52	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.40	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.18	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.02	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.93	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.87	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.11	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.93	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	3.40	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	4.23	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.88	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.67	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.46	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.44	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.14	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.97	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.36	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.12	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.03	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.78	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	3.38	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	4.28	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.08	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.86	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.42	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.34	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.01	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.87	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	3.59	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.50	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.89	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.66	13	PASS









