

FCC EMTC Band 2 Test Data

General Description of EUT	
Product Name:	Tractive Dog 6
Test Model:	TG6A
Sample ID:	HC-C-202403-0336-01-04#
Environmental Conditions	
Temperature:	22°C-25°C
Relative Humidity:	43%-55%
Test Voltage:	DC 3.87V
Test Engineer:	Mike Yan
Note: For a more detailed features description, please refer to the report TBR-C-202403-0336-93. The report only show the worst case data.	

Contents

FCC EMTC Band 2 Test Data	1
1. Conducted Output Power Data for M1	3
Test Result	3
2. Peak-to-Average Ratio(CCDF) for M1	6
Test Result	6
Test Graphs	8
3. 26dB Bandwidth and Occupied Bandwidth for M1	21
Test Result	21
Test Graphs	23
4. Band Edge for M1	30
Test Result	30
Test Graphs	31
5. Conducted Spurious Emission for M1	40
Test Result	40
Test Graphs	44
6. Frequency Stability for M1	69
Test Result	69

1. Conducted Output Power Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dBm)	Verdict
Band2	1.4MHz	18607	QPSK	1	0	Low	23.82	PASS
Band2	1.4MHz	18607	QPSK	1	5	Low	23.74	PASS
Band2	1.4MHz	18607	QPSK	6	0	Low	21.70	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	23.75	PASS
Band2	1.4MHz	18900	QPSK	1	5	Low	23.65	PASS
Band2	1.4MHz	18900	QPSK	6	0	Low	21.71	PASS
Band2	1.4MHz	19193	QPSK	1	0	High	23.81	PASS
Band2	1.4MHz	19193	QPSK	1	5	High	23.80	PASS
Band2	1.4MHz	19193	QPSK	6	0	High	21.81	PASS
Band2	1.4MHz	18607	16QAM	1	0	Low	22.61	PASS
Band2	1.4MHz	18607	16QAM	1	5	Low	22.66	PASS
Band2	1.4MHz	18607	16QAM	6	0	Low	21.69	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	22.55	PASS
Band2	1.4MHz	18900	16QAM	1	5	Low	22.59	PASS
Band2	1.4MHz	18900	16QAM	6	0	Low	21.73	PASS
Band2	1.4MHz	19193	16QAM	1	0	High	22.83	PASS
Band2	1.4MHz	19193	16QAM	1	5	High	22.87	PASS
Band2	1.4MHz	19193	16QAM	6	0	High	21.81	PASS
Band2	3MHz	18615	QPSK	1	0	Low	23.64	PASS
Band2	3MHz	18615	QPSK	1	5	Low	23.76	PASS
Band2	3MHz	18615	QPSK	6	0	Low	21.71	PASS
Band2	3MHz	18900	QPSK	1	0	Low	23.76	PASS
Band2	3MHz	18900	QPSK	1	5	Low	23.79	PASS
Band2	3MHz	18900	QPSK	6	0	Low	21.68	PASS
Band2	3MHz	19185	QPSK	1	0	High	23.88	PASS
Band2	3MHz	19185	QPSK	1	5	High	23.84	PASS
Band2	3MHz	19185	QPSK	6	0	High	21.79	PASS
Band2	3MHz	18615	16QAM	1	0	Low	22.52	PASS
Band2	3MHz	18615	16QAM	1	5	Low	22.69	PASS
Band2	3MHz	18615	16QAM	6	0	Low	21.71	PASS
Band2	3MHz	18900	16QAM	1	0	Low	22.52	PASS
Band2	3MHz	18900	16QAM	1	5	Low	22.63	PASS
Band2	3MHz	18900	16QAM	6	0	Low	21.69	PASS

Band2	3MHz	19185	16QAM	1	0	High	22.83	PASS
Band2	3MHz	19185	16QAM	1	5	High	22.80	PASS
Band2	3MHz	19185	16QAM	6	0	High	21.79	PASS
Band2	5MHz	18625	QPSK	1	0	Low	23.45	PASS
Band2	5MHz	18625	QPSK	1	5	Low	23.60	PASS
Band2	5MHz	18625	QPSK	6	0	Low	22.39	PASS
Band2	5MHz	18900	QPSK	1	0	Low	23.49	PASS
Band2	5MHz	18900	QPSK	1	5	Low	23.54	PASS
Band2	5MHz	18900	QPSK	6	0	Low	22.49	PASS
Band2	5MHz	19175	QPSK	1	0	High	23.70	PASS
Band2	5MHz	19175	QPSK	1	5	High	23.70	PASS
Band2	5MHz	19175	QPSK	6	0	High	22.58	PASS
Band2	5MHz	18625	16QAM	1	0	Low	23.56	PASS
Band2	5MHz	18625	16QAM	1	5	Low	23.68	PASS
Band2	5MHz	18625	16QAM	6	0	Low	22.49	PASS
Band2	5MHz	18900	16QAM	1	0	Low	23.66	PASS
Band2	5MHz	18900	16QAM	1	5	Low	23.64	PASS
Band2	5MHz	18900	16QAM	6	0	Low	22.49	PASS
Band2	5MHz	19175	16QAM	1	0	High	23.82	PASS
Band2	5MHz	19175	16QAM	1	5	High	23.80	PASS
Band2	5MHz	19175	16QAM	6	0	High	22.57	PASS
Band2	10MHz	18650	QPSK	1	0	Low	23.48	PASS
Band2	10MHz	18650	QPSK	1	5	Low	23.49	PASS
Band2	10MHz	18650	QPSK	6	0	Low	22.39	PASS
Band2	10MHz	18900	QPSK	1	0	Low	23.57	PASS
Band2	10MHz	18900	QPSK	1	5	Low	23.53	PASS
Band2	10MHz	18900	QPSK	6	0	Low	22.38	PASS
Band2	10MHz	19150	QPSK	1	0	High	23.71	PASS
Band2	10MHz	19150	QPSK	1	5	High	23.77	PASS
Band2	10MHz	19150	QPSK	6	0	High	22.66	PASS
Band2	10MHz	18650	16QAM	1	0	Low	23.68	PASS
Band2	10MHz	18650	16QAM	1	5	Low	23.65	PASS
Band2	10MHz	18650	16QAM	6	0	Low	22.37	PASS
Band2	10MHz	18900	16QAM	1	0	Low	23.63	PASS
Band2	10MHz	18900	16QAM	1	5	Low	23.62	PASS
Band2	10MHz	18900	16QAM	6	0	Low	22.37	PASS
Band2	10MHz	19150	16QAM	1	0	High	23.82	PASS
Band2	10MHz	19150	16QAM	1	5	High	23.84	PASS
Band2	10MHz	19150	16QAM	6	0	High	22.65	PASS
Band2	15MHz	18675	QPSK	1	0	Low	23.49	PASS
Band2	15MHz	18675	QPSK	1	5	Low	23.44	PASS

Band2	15MHz	18675	QPSK	6	0	Low	23.36	PASS
Band2	15MHz	18900	QPSK	1	0	Low	23.48	PASS
Band2	15MHz	18900	QPSK	1	5	Low	23.46	PASS
Band2	15MHz	18900	QPSK	6	0	Low	23.33	PASS
Band2	15MHz	19125	QPSK	1	0	High	23.72	PASS
Band2	15MHz	19125	QPSK	1	5	High	23.79	PASS
Band2	15MHz	19125	QPSK	6	0	High	23.61	PASS
Band2	15MHz	18675	16QAM	1	0	Low	23.73	PASS
Band2	15MHz	18675	16QAM	1	5	Low	23.58	PASS
Band2	15MHz	18675	16QAM	6	0	Low	23.33	PASS
Band2	15MHz	18900	16QAM	1	0	Low	23.58	PASS
Band2	15MHz	18900	16QAM	1	5	Low	23.54	PASS
Band2	15MHz	18900	16QAM	6	0	Low	23.31	PASS
Band2	15MHz	19125	16QAM	1	0	High	23.80	PASS
Band2	15MHz	19125	16QAM	1	5	High	23.87	PASS
Band2	15MHz	19125	16QAM	6	0	High	23.61	PASS
Band2	20MHz	18700	QPSK	1	0	Low	23.48	PASS
Band2	20MHz	18700	QPSK	1	5	Low	23.33	PASS
Band2	20MHz	18700	QPSK	6	0	Low	23.28	PASS
Band2	20MHz	18900	QPSK	1	0	Low	23.52	PASS
Band2	20MHz	18900	QPSK	1	5	Low	23.52	PASS
Band2	20MHz	18900	QPSK	6	0	Low	23.44	PASS
Band2	20MHz	19100	QPSK	1	0	High	23.68	PASS
Band2	20MHz	19100	QPSK	1	5	High	23.69	PASS
Band2	20MHz	19100	QPSK	6	0	High	23.53	PASS
Band2	20MHz	18700	16QAM	1	0	Low	23.64	PASS
Band2	20MHz	18700	16QAM	1	5	Low	23.42	PASS
Band2	20MHz	18700	16QAM	6	0	Low	23.26	PASS
Band2	20MHz	18900	16QAM	1	0	Low	23.60	PASS
Band2	20MHz	18900	16QAM	1	5	Low	23.71	PASS
Band2	20MHz	18900	16QAM	6	0	Low	23.43	PASS
Band2	20MHz	19100	16QAM	1	0	High	23.73	PASS
Band2	20MHz	19100	16QAM	1	5	High	23.79	PASS
Band2	20MHz	19100	16QAM	6	0	High	23.61	PASS

2. Peak-to-Average Ratio(CCDF) for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	18607	QPSK	1	0	Low	4.99	<=13	PASS
Band2	1.4MHz	18607	QPSK	6	0	Low	5.23	<=13	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	5.18	<=13	PASS
Band2	1.4MHz	18900	QPSK	6	0	Low	5.33	<=13	PASS
Band2	1.4MHz	19193	QPSK	1	0	High	4.70	<=13	PASS
Band2	1.4MHz	19193	QPSK	6	0	High	5.30	<=13	PASS
Band2	1.4MHz	18607	16QAM	1	0	Low	5.54	<=13	PASS
Band2	1.4MHz	18607	16QAM	6	0	Low	5.26	<=13	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	5.79	<=13	PASS
Band2	1.4MHz	18900	16QAM	6	0	Low	5.20	<=13	PASS
Band2	1.4MHz	19193	16QAM	1	0	High	5.99	<=13	PASS
Band2	1.4MHz	19193	16QAM	6	0	High	5.32	<=13	PASS
Band2	3MHz	18615	QPSK	1	0	Low	4.95	<=13	PASS
Band2	3MHz	18615	QPSK	6	0	Low	5.30	<=13	PASS
Band2	3MHz	18900	QPSK	1	0	Low	5.19	<=13	PASS
Band2	3MHz	18900	QPSK	6	0	Low	5.24	<=13	PASS
Band2	3MHz	19185	QPSK	1	0	High	4.65	<=13	PASS
Band2	3MHz	19185	QPSK	6	0	High	5.26	<=13	PASS
Band2	3MHz	18615	16QAM	1	0	Low	5.48	<=13	PASS
Band2	3MHz	18615	16QAM	6	0	Low	5.37	<=13	PASS
Band2	3MHz	18900	16QAM	1	0	Low	5.58	<=13	PASS
Band2	3MHz	18900	16QAM	6	0	Low	5.25	<=13	PASS
Band2	3MHz	19185	16QAM	1	0	High	5.89	<=13	PASS
Band2	3MHz	19185	16QAM	6	0	High	5.35	<=13	PASS
Band2	5MHz	18625	QPSK	1	0	Low	4.42	<=13	PASS
Band2	5MHz	18625	QPSK	6	0	Low	5.27	<=13	PASS
Band2	5MHz	18900	QPSK	1	0	Low	4.83	<=13	PASS
Band2	5MHz	18900	QPSK	6	0	Low	5.15	<=13	PASS
Band2	5MHz	19175	QPSK	1	0	High	4.38	<=13	PASS
Band2	5MHz	19175	QPSK	6	0	High	5.33	<=13	PASS
Band2	5MHz	18625	16QAM	1	0	Low	6.17	<=13	PASS
Band2	5MHz	18625	16QAM	6	0	Low	5.21	<=13	PASS

Band2	5MHz	18900	16QAM	1	0	Low	5.33	<=13	PASS
Band2	5MHz	18900	16QAM	6	0	Low	5.21	<=13	PASS
Band2	5MHz	19175	16QAM	1	0	High	5.80	<=13	PASS
Band2	5MHz	19175	16QAM	6	0	High	5.21	<=13	PASS
Band2	10MHz	18650	QPSK	1	0	Low	4.82	<=13	PASS
Band2	10MHz	18650	QPSK	6	0	Low	5.34	<=13	PASS
Band2	10MHz	18900	QPSK	1	0	Low	4.88	<=13	PASS
Band2	10MHz	18900	QPSK	6	0	Low	5.20	<=13	PASS
Band2	10MHz	19150	QPSK	1	0	High	4.27	<=13	PASS
Band2	10MHz	19150	QPSK	6	0	High	5.35	<=13	PASS
Band2	10MHz	18650	16QAM	1	0	Low	5.76	<=13	PASS
Band2	10MHz	18650	16QAM	6	0	Low	5.39	<=13	PASS
Band2	10MHz	18900	16QAM	1	0	Low	5.32	<=13	PASS
Band2	10MHz	18900	16QAM	6	0	Low	5.32	<=13	PASS
Band2	10MHz	19150	16QAM	1	0	High	5.77	<=13	PASS
Band2	10MHz	19150	16QAM	6	0	High	5.30	<=13	PASS
Band2	15MHz	18675	QPSK	1	0	Low	4.72	<=13	PASS
Band2	15MHz	18675	QPSK	6	0	Low	4.92	<=13	PASS
Band2	15MHz	18900	QPSK	1	0	Low	4.62	<=13	PASS
Band2	15MHz	18900	QPSK	6	0	Low	4.81	<=13	PASS
Band2	15MHz	19125	QPSK	1	0	High	4.68	<=13	PASS
Band2	15MHz	19125	QPSK	6	0	High	5.13	<=13	PASS
Band2	15MHz	18675	16QAM	1	0	Low	5.24	<=13	PASS
Band2	15MHz	18675	16QAM	6	0	Low	5.01	<=13	PASS
Band2	15MHz	18900	16QAM	1	0	Low	4.99	<=13	PASS
Band2	15MHz	18900	16QAM	6	0	Low	4.83	<=13	PASS
Band2	15MHz	19125	16QAM	1	0	High	5.21	<=13	PASS
Band2	15MHz	19125	16QAM	6	0	High	5.06	<=13	PASS
Band2	20MHz	18700	QPSK	1	0	Low	4.52	<=13	PASS
Band2	20MHz	18700	QPSK	6	0	Low	4.92	<=13	PASS
Band2	20MHz	18900	QPSK	1	0	Low	4.46	<=13	PASS
Band2	20MHz	18900	QPSK	6	0	Low	4.76	<=13	PASS
Band2	20MHz	19100	QPSK	1	0	High	4.70	<=13	PASS
Band2	20MHz	19100	QPSK	6	0	High	4.74	<=13	PASS
Band2	20MHz	18700	16QAM	1	0	Low	5.66	<=13	PASS
Band2	20MHz	18700	16QAM	6	0	Low	4.81	<=13	PASS
Band2	20MHz	18900	16QAM	1	0	Low	5.44	<=13	PASS
Band2	20MHz	18900	16QAM	6	0	Low	4.75	<=13	PASS
Band2	20MHz	19100	16QAM	1	0	High	4.87	<=13	PASS
Band2	20MHz	19100	16QAM	6	0	High	4.78	<=13	PASS

Test Graphs



















