

Report No.:	TW2212387-01E
Applicant:	Eastern Times Technology Co.,Ltd
Product:	WIRDE/2.4G/BT GAMIN MOUSE
Model No.:	M994, M994W, DS-2957
Trademark:	REDRAGON
Test Standards:	FCC Part 15.249
Test result:	It is herewith confirmed and found to comply with the requirements set up by ANSI C63.10 &FCC Part 15 Subpart C, Paragraph 15.249 regulations for the evaluation of electromagnetic compatibility

Approved By

Terry long

Terry Tang

Manager

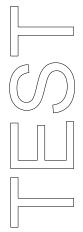
Dated:

January 13, 2023

Results appearing herein relate only to the sample tested The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com





Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

Industry Canada (IC) — Registration No.: 5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

CAB identifier: CN0033

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1.0 General Details

1.1 Test Lab Details

Name :SHENZHEN TIMEWAY TESTING LABORATORIES.Address:Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le
Village, Nanshan District, Shenzhen, ChinaTelephone:(755) 83448688Fax:(755) 83442996Site on File with the Federal Communications Commission – United SatesRegistration Number:744189For 3m Anechoic Chamber

1.2 Applicant Details

Applicant:Eastern Times Technology Co.,LtdAddress:Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town, Dongguan City,
Guangdong, China.Telephone:--Fax:--

1.3 Description of EUT

Product:	WIRDE/2.4G/BT GAMIN MOUSE
Manufacturer:	Eastern Times Technology Co.,Ltd
Address:	Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town,
	Dongguan City, Guangdong, China.
Trademark:	REDRAGON
Additional Trademark:	N/A
Model Number:	M994
Additional Model Name	M994W, DS-2957
Hardware Version:	2957 TX V3
Software Version:	6C804314
Serial No.:	RDM99422111500972
Rating:	DC5V, 260mA or DC3.7V, 35mA
Battery:	DC3.7V, 200mAh Li-ion battery
Modulation Type:	GFSK (Bluetooth Low Energy)
Operation Frequency:	2402-2480MHz
Channel Separate:	2MHz
Channel Number:	40
Antenna Designation	PCB antenna with gain 2.34dBi maximum (Get from the antenna specification)

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1.4 Submitted Sample: 2 pcs

- 1.5 Test Duration 2022-12-30 to 2023-01-13
- 1.6 Test Uncertainty Conducted Emissions Uncertainty =3.6dB Radiated Emissions below 1GHz Uncertainty =4.7dB Radiated Emissions above 1GHz Uncertainty =6.0dB Conducted Power Uncertainty =6.0dB Occupied Channel Bandwidth Uncertainty =5% Conducted Emissions Uncertainty =3.6dB Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

Andy -Xing

The sample tested by

Print Name: Andy Xing

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2022-07-15	2023-07-14
LISN	R&S	EZH3-Z5	100294	2022-07-18	2023-07-17
LISN	R&S	EZH3-Z5	100253	2022-07-18	2023-07-17
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2022-07-18	2023-07-17
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2022-07-15	2023-07-14
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2022-07-18	2025-07-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2022-07-18	2024-07-17
Power meter	Anritsu	ML2487A	6K00003613	2022-07-18	2023-07-17
Power sensor	Anritsu	MA2491A	32263	2022-07-18	2023-07-17
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2022-07-18	2025-07-17
9*6*6 Anechoic			N/A	2022-07-26	2025-07-25
EMI Test Receiver	RS	ESVB	826156/011	2022-07-15	2023-07-14
EMI Test Receiver	RS	ESCS 30	834115/006	2022-07-15	2023-07-14
Spectrum	HP/Agilent	E4407B	MY50441392	2022-07-15	2023-07-14
Spectrum	RS	FSP	1164.4391.38	2022-07-15	2023-07-14
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2022-07-15	2023-07-14
RF Cable	Zhengdi	7m		2022-07-15	2023-07-14
Pre-Amplifier	Schwarebeck	BBV9743	#218	2022-07-15	2023-07-14
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2022-07-15	2023-07-14
LISN	SCHAFFNER	NNB42	00012	2022-08-18	2023-07-17
ESPI Test Receiver	R&S	ESPI 3	100379	2022-07-15	2023-07-14
LISN	R&S	EZH3-Z5	100294	2022-07-18	2023-07-17

2.2 Automation Test Software

For Conducted Emission Test

Name	Version	
EZ-EMC	Ver.EMC-CON 3A1.1	

For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

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The EUT has been tested according to the following specifications:

3.0 Technical Details

3.1 Summary of test results

The EOT has been tested according to the following specifications.				
Standard	Test Type	Result	Notes	
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies	
FCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies	
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	Pass	Complies	
FCC Part 15, Paragraph 15.209	Radiated Emission Test	Pass	Complies	
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	Pass	Complies	

3.2 Test Standards

FCC Part 15 Subpart C, Paragraph 15.249, ANSI C63.4 :2014 and ANSI C63.10 :2013

4.0 EUT Modification

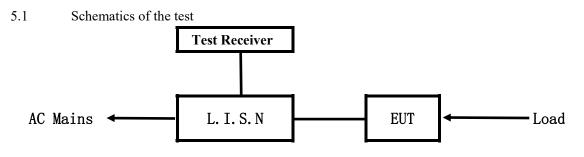
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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5. Power Line Conducted Emission Test



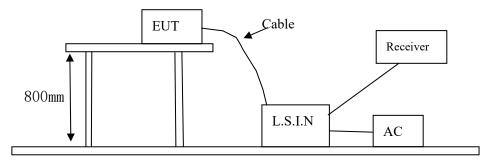
EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 500hm/50uH as specified by section 5.1 of ANSI C63.10-2013.

Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below. 40 channels are provided to the EUT

Device	Manufacturer	Model	FCC ID
WIRDE/2.4G/BT GAMIN	Eastern Times	M994, M994W, DS-2957 TUVDS-2	
MOUSE	Technology Co.,Ltd	M994, M994 W, DS-2957	TUVDS-2957A

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B. Internal Device

Internal Device			
Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	KEYU	KA23-0502000DEU	Input: 100-240V~, 50/60Hz, 0.35A;
			Output: DC5V, 2A

5.4 EUT Operating Condition

- Operating condition is according to ANSI C63.10-2013
- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency		Limits (d	lΒ μ V)		
	(MHz)	Quasi-peak Level	Average Level		
	$0.15~\sim~0.50$	66.0~56.0*	56.0~46.0*		
	$0.50~\sim~5.00$	56.0	46.0		
	$5.00~\sim~30.00$	60.0	50.0		

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The tighter limit shall apply at the transition frequencies

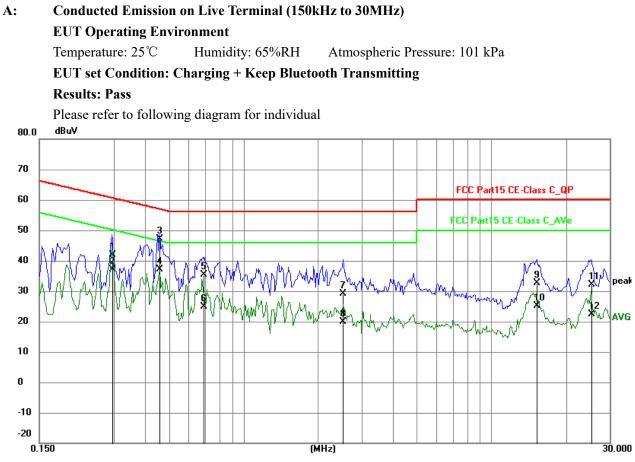
5.6 Test Results:

Pass

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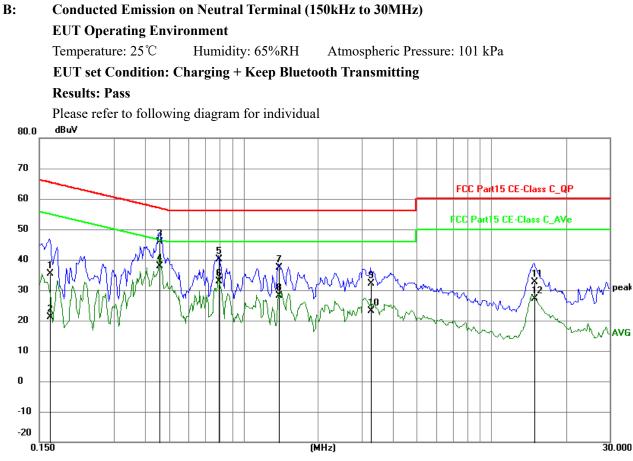


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.2943	32.11	9.76	41.87	60.40	-18.53	QP	Р
2	0.2943	27.36	9.76	37.12	50.40	-13.28	AVG	Р
3	0.4581	37.41	9.77	47.18	56.73	-9.55	QP	Р
4	0.4581	27.44	9.77	37.21	46.73	-9.52	AVG	Ρ
5	0.6882	25.56	9.78	35.34	56.00	-20.66	QP	Ρ
6	0.6882	15.22	9.78	25.00	46.00	-21.00	AVG	Р
7	2.5212	19.24	9.82	29.06	56.00	-26.94	QP	Ρ
8	2.5212	10.01	9.82	19.83	46.00	-26.17	AVG	Ρ
9	15.2577	22.11	10.40	32.51	60.00	-27.49	QP	Ρ
10	15.2577	14.73	10.40	25.13	50.00	-24.87	AVG	Ρ
11	25.3002	21.16	11.01	32.17	60.00	-27.83	QP	Р
12	25.3002	11.33	11.01	22.34	50.00	-27.66	AVG	Ρ

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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1655	25.55	9.77	35.32	65.18	-29.86	QP	Р
2	0.1655	11.44	9.77	21.21	55.18	-33.97	AVG	Р
3	0.4581	36.11	9.77	45.88	56.73	-10.85	QP	Р
4	0.4581	28.01	9.77	37.78	46.73	-8.95	AVG	Р
5	0.7935	30.43	9.78	40.21	56.00	-15.79	QP	Р
6	0.7935	23.11	9.78	32.89	46.00	-13.11	AVG	Р
7	1.3824	27.54	9.79	37.33	56.00	-18.67	QP	Р
8	1.3824	18.24	9.79	28.03	46.00	-17.97	AVG	Р
9	3.2652	22.35	9.85	32.20	56.00	-23.80	QP	Р
10	3.2652	13.22	9.85	23.07	46.00	-22.93	AVG	Р
11	14.8677	22.19	10.37	32.56	60.00	-27.44	QP	Р
12	14.8677	16.75	10.37	27.12	50.00	-22.88	AVG	Ρ

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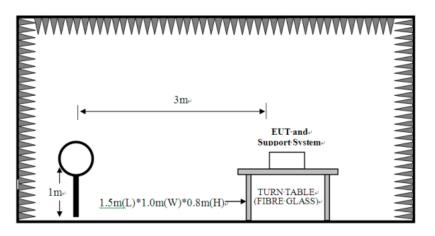


6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 kHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz (Note: for Fundamental frequency radiated emission measurement, RBW=3MHz, VBW=10MHz). Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz

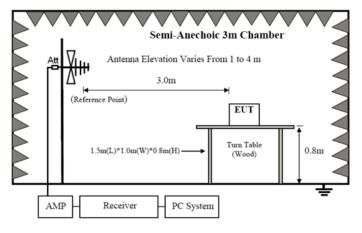


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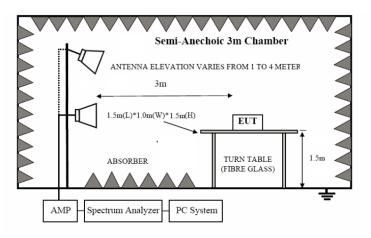
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For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



- 6.2 Configuration of The EUT Same as section 5.3 of this report
- 6.3 EUT Operating Condition Same as section 5.4 of this report.

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6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

A FCC Part 15 Subpart C Paragraph 15.249(a) Limit

Fundamental Frequency	Field Stre	ength of Fundame	ntal (3m)	Field St	trength of Harmo	nics (3m)
(MHz)	mV/m	dBu	V/m	uV/m	dBu	V/m
2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)

Note: 1. RF Field Strength (dBuV) = 20 log RF Voltage (uV)

2.Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

B. Frequencies in restricted band are complied to limit on Paragraph 15.209.

1		·····8
Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
0.009-0.490	3	20log(2400/F(kHz)) +40log (300/3)
0.490-1.705	3	20log(24000/F(kHz)) +40log (30/3)
1.705-30	3	69.5
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note: 1. RF Voltage $(dBuV) = 20 \log RF$ Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT

4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.

5. For radiated emissions from 9kHz to 30MHz, the emission level is much less than the limit for more than 20dB. No necessary to take down the record.

6. Battery full charged during tests.

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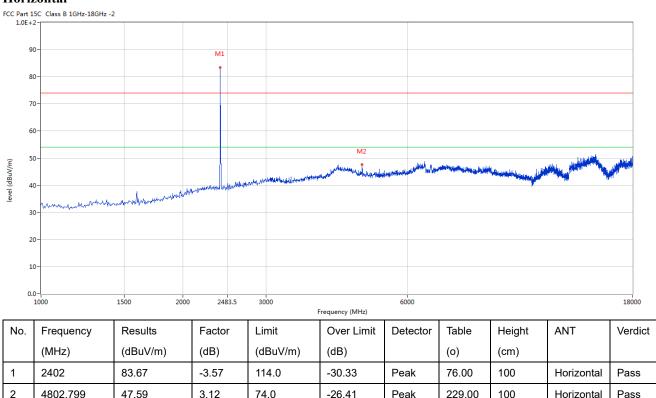
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6.5 Test resultA Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2402MHz

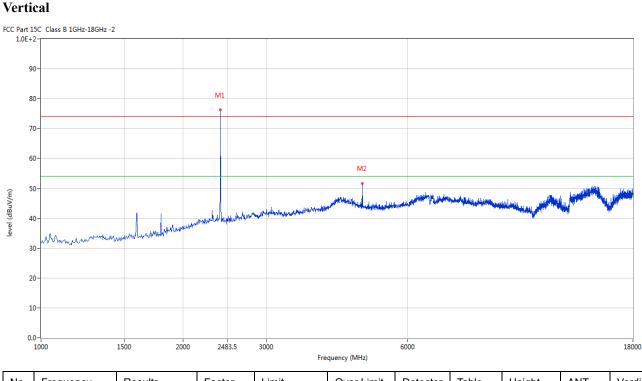
Horizontal



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No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	76.22	-3.57	114.0	-37.78	Peak	284.00	100	Vertical	Pass
2	4802.799	51.63	3.12	74.0	-22.37	Peak	263.00	100	Vertical	Pass

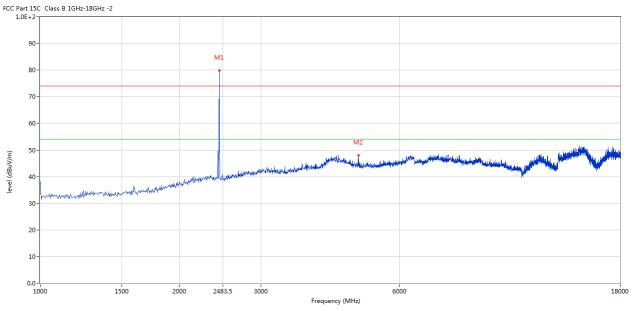
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Please refer to the following test plots for details: Middle Channel-2440MHz

Horizontal

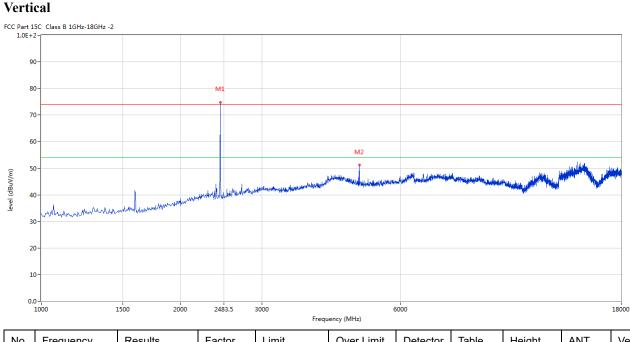


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440	79.78	-3.57	114.0	-34.22	Peak	147.00	100	Horizontal	Pass
2	4879.280	47.98	3.20	74.0	-26.02	Peak	57.00	100	Horizontal	Pass

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No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440	74.85	-3.57	114.0	-39.15	Peak	291.00	100	Vertical	Pass
2	4879.280	51.18	3.20	74.0	-22.82	Peak	265.00	100	Vertical	Pass

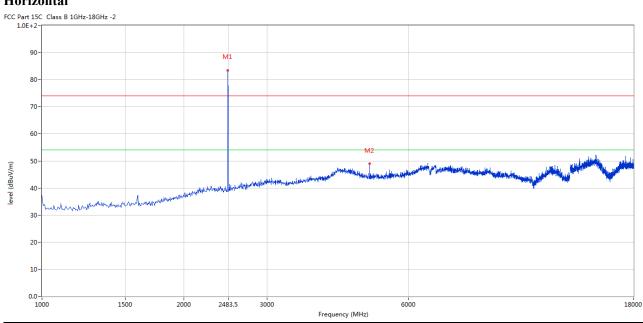
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal

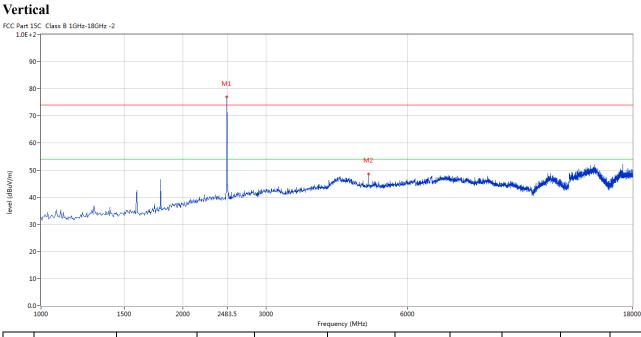


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	83.72	-3.57	114.0	-30.28	Peak	84.00	100	Horizontal	Pass
2	4960.010	48.88	3.36	74.0	-25.12	Peak	94.00	100	Horizontal	Pass

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No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict	
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)			
1	2480	76.83	-3.57	114.0	-37.17	Peak	259.00	100	Vertical	Pass	
2	4960.010	48.58	3.36	74.0	-25.42	Peak	264.00	100	Vertical	Pass	

Note: (2) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier

(3) Margin=Emission-Limits

- (4) According to section 15.35(b), the peak limit is 20dB higher than the average limit
- (5) For test purpose, keep EUT continuous transmitting
- (5) For emission above 18GHz and Below 30MHz, It is only the floor noise. No necessary to take down.
- (6) the measured PK value less than the AV limit.

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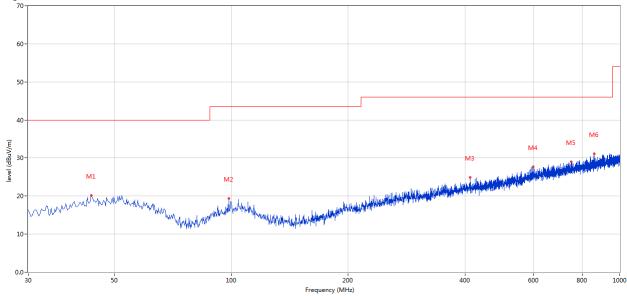
B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual

FCC_FCC Part 15C Class B 30MHz-1GHz



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	43.577	20.23	-11.49	40.0	-19.77	Peak	118.00	100	Horizontal	Pass
2	98.610	19.32	-13.70	43.5	-24.18	Peak	136.00	100	Horizontal	Pass
3	412.327	24.86	-8.41	46.0	-21.14	Peak	99.00	100	Horizontal	Pass
4	598.763	27.66	-5.10	46.0	-18.34	Peak	23.00	100	Horizontal	Pass
5	749.803	28.99	-3.41	46.0	-17.01	Peak	143.00	100	Horizontal	Pass
6	859.385	31.10	-2.36	46.0	-14.90	Peak	73.00	100	Horizontal	Pass

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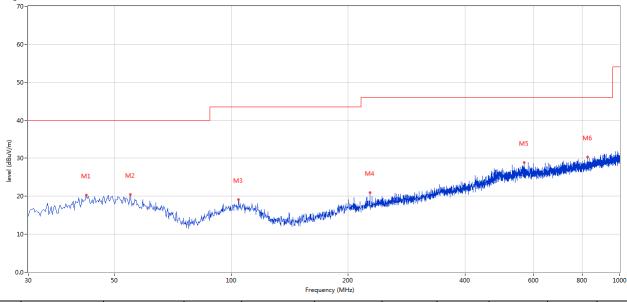
Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual

FCC_FCC Part 15C Class B 30MHz-1GHz



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	42.364	20.34	-11.59	40.0	-19.66	Peak	173.00	100	Vertical	Pass
2	54.971	20.39	-11.77	40.0	-19.61	Peak	211.00	100	Vertical	Pass
3	104.429	19.15	-13.28	43.5	-24.35	Peak	84.00	100	Vertical	Pass
4	227.588	20.92	-12.79	46.0	-25.08	Peak	224.00	100	Vertical	Pass
5	567.731	28.83	-5.97	46.0	-17.17	Peak		100	Vertical	Pass
6	827.141	30.27	-2.85	46.0	-15.73	Peak	198.00	100	Vertical	Pass

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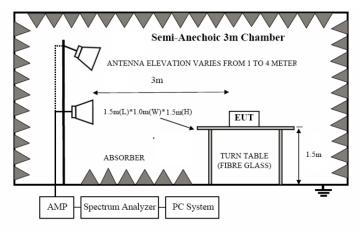


7. Band Edge

7.1 Test Method and test Procedure:

- The EUT was tested according to ANSI C63.10–2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) Set Spectrum as RBW=1MHz, VBW=3MHz and Peak detector used for PK value. RBW=1MHz, VBW=10Hz and Peak detector used for AV value.
- (3) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (4) The antenna polarization: Vertical polarization and Horizontal polarization.

7.2 Radiated Test Setup



For the actual test configuration, please refer to the related items - Photos of Testing

7.3 Configuration of the EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever

is the lesser attenuation.

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7.6 Test Result

-	Product:	WIRDE	/2.4G/BT (GAMIN MO	USE	Polarity		He	orizontal	
	Mode	K	Leeping Tra	ansmitting	1	Test Voltag	ge	Ι	DC3.7V	
Te	mperature		24 deg	g. C,		Humidity		5	6% RH	
Τ¢	est Result:		Pas	5S						
C Part 1 1.0E+	15C Class B 1GHz-18GHz	-2								
	90 -									
9	- 00							M1	L	
8	30 -							/**	A A	
7	70-								1	
6	50 -									_
	50 -					M5 _{M4}		A2		
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3 2 1 0	20- 2350			Fr	requency (MHz)	Detector	Table (o)	Height (cm)	1	2410 Verdic
3 2 1 0.	00- 00- 00- 2350 Frequency	Results	Factor	Fr Limit	requency (MHz)	Detector Peak		-	1	1
3 2 1 0 No.	Erequency (MHz)	Results (dBuV/m)	Factor (dB)	Fr Limit (dBuV/m)	requency (MHz) Over Limit (dB)		(0)	(cm)	ANT	Verdic
3 2 1 0 No.	Erequency (MHz) 2402.052	Results (dBuV/m) 83.34	Factor (dB) -3.57	Fr Limit (dBuV/m) 74.0	requency (MHz) Over Limit (dB) 9.34	Peak	(o) 80.00	(cm) 100	ANT Horizontal	Verdic N/A
3 2 1 0 No.	Example 2400.000	Results (dBuV/m) 83.34 59.32	Factor (dB) -3.57 -3.57	Fr Limit (dBuV/m) 74.0 74.0	equency (MHz) Over Limit (dB) 9.34 -14.68	Peak Peak	(o) 80.00 169.43	(cm) 100 100	ANT Horizontal Horizontal	Verdic N/A Pass
3 2 1 0 No. 1 2 2**	Erequency (MHz) 2400.000 2400.000	Results (dBuV/m) 83.34 59.32 49.28	Factor (dB) -3.57 -3.57 -3.57	Fr Limit (dBuV/m) 74.0 74.0 54.0	requency (MHz) Over Limit (dB) 9.34 -14.68 -4.72	Peak Peak AV	(o) 80.00 169.43 169.43	(cm) 100 100 100	ANT Horizontal Horizontal Horizontal	Verdic N/A Pass Pass

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	Product:	WIRD	E/2.4G/BT	GAMIN MO	DUSE	Detector		Vertical			
	Mode	Keeping Transmitting					age	DC3.7V			
Te	mperature			Humidity		5	6% RH				
Те	est Result:		P	ass							
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9	90 -										
8	30 -							M ٹر	1 ካ.		
7	70-							/!	₩,		
6	50 -							Må	_\		
	50 -						M4 M5 M6				
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3 2 1 0.	00- 00- 00- 2350		nden og konserten om her om her og	F	requency (MHz)					2410	
3 2 1 0.	0- 0- 0- 2250 Frequency	Results	Factor	F Limit	Over Limit	Detector	Table	Height	ANT		
3 2 1 0. No.	0- 0- 2350 Frequency (MHz)	Results (dBuV/m)	(dB)	F Limit (dBuV/m)	Over Limit (dB)		(0)	(cm)	ANT	2410 Verdic	
3 2 1 0. No.	0- 0- 0- 2250 Frequency (MHz) 2401.857	Results (dBuV/m) 76.21	(dB) -3.57	F Limit (dBuV/m) 74.0	Over Limit (dB) 2.21	Peak	(o) 288.00	(cm) 100	ANT	2410 Verdic	
3 2 1 0. No.	0- 0- 2350 Frequency (MHz) 2401.857 2400.000	Results (dBuV/m) 76.21 53.10	(dB) -3.57 -3.57	F Limit (dBuV/m) 74.0 74.0	Over Limit (dB) 2.21 -20.90	Peak Peak	(o) 288.00 288.00	(cm) 100 100	ANT Vertical Vertical	2410 Verdic N/A Pass	
3 2 1 0. No. 1 2 3	0- 0- 2350 Frequency (MHz) 2401.857 2400.000 2390.000	Results (dBuV/m) 76.21 53.10 41.75	(dB) -3.57 -3.57 -3.53	F Limit (dBuV/m) 74.0 74.0 74.0 74.0	Over Limit (dB) 2.21 -20.90 -32.25	Peak Peak Peak	(o) 288.00 288.00 139.67	(cm) 100 100 100	ANT Vertical Vertical	2410 Verdic N/A Pass Pass	
3 2 1 0. No. 1 2 3 4	0- 0- 2350 Frequency (MHz) 2401.857 2400.000 2390.000 2392.049	Results (dBuV/m) 76.21 53.10 41.75 51.23	(dB) -3.57 -3.57 -3.53 -3.54	F Limit (dBuV/m) 74.0 74.0 74.0 74.0 74.0	Over Limit (dB) 2.21 -20.90 -32.25 -22.77	Peak Peak	(o) 288.00 288.00 139.67 92.00	(cm) 100 100 100 100	ANT Vertical Vertical Vertical	2410 Verdic N/A Pass Pass Pass	
3 2 1 0. No. 1 2 3	0- 0- 2350 Frequency (MHz) 2401.857 2400.000 2390.000	Results (dBuV/m) 76.21 53.10 41.75	(dB) -3.57 -3.57 -3.53	F Limit (dBuV/m) 74.0 74.0 74.0 74.0	Over Limit (dB) 2.21 -20.90 -32.25	Peak Peak Peak	(o) 288.00 288.00 139.67	(cm) 100 100 100	ANT Vertical Vertical	2410 Verdic N/A Pass Pass	

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	Product:	WIRD	E/2.4G/B7	Г GAMIN M	OUSE	Polar	ity]	Horizontal	
	Mode		Keeping 7	Fransmitting		Test Vo	ltage		DC3.7V	
Te	emperature		24 d	leg. C,		Humie	lity		56% RH	
Τe	est Result:		Р	ass						
C Part 1 1.0E+	15C Class B 1GHz-18GHz	-2								
8	30		MI	NY NY NY						
(m/vudb) iavai	50 - 50 - 40	wieden mich merer from A	M	No Market Ma	Munufacture	es	hedesjingterstelidestatures	uglatuses, son for head	haben-sintintelablasbengerbag	olion I. Alashai
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5 5 2 2 1	50 - 40	eriestenneriidenesseeritette		2483.5		er, andre der freuerischer en	h _a dsjirgtati,ticadessens	และ เล่าสู่ได้มีเสริงแรงเหมือนไรยา	Akhanu indhishkahlau kenguding	2500
(IIII/ADDO) 4 3 2 1 0	50 - 40 -	Results (dBuV/m)	Factor (dB)	2483.5	;	Detector	Table (o)	Height (cm)	ANT	2500
(w//ngo) 4 1 2 1	50 - 40 - 40 - 30 - 20 - 10 - 2470 Frequency	Results		2483.5 Limit	5 Frequency (MHz) Over Limit		Table	Height		

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adopt any other remedies which may be appropriate.



]	Product:	WIRD	E/2.4G/BT	GAMIN MO	USE	Detecto	r	V	ertical	
	Mode		Keeping T	ransmitting		Test Volta	ige	D	C3.7V	
Te	mperature		24 de	eg. C,		Humidit	у	56% RH		
Те	est Result:		Ра	iss						
1.0E+ 9	30 -	2	MI	n n n n n n n n n n n n n n n n n n n						
(iii/\\nnn) 4	io - :o - :o - :o - :o -	asilita mining sites seles being	M	IN WIND AND A	identry meditation for	hildebalancontolatio	ede dittan der hedden bei	hand and an and a second	a providenci da seconda quila r	he white the second
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(iu/Annop) 4 3 2 1	00- 10- 10- 10- 10- 10- 10- 10-	Results	Factor	Free Limit	Over Limit	Detector	Table	Height	ANT	Г
(الالمرام) 3 2 1 0. No.	0 10 10 10 10 10 10 10 10 10 1	Results (dBuV/m)	(dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdic
(III/ADDD) 4 3 2 1	00- 10- 10- 10- 10- 10- 10- 10-	Results		Free Limit	Over Limit		Table	Height	T	Г

Note: The PK emission level less than the AV limit. No necessary to record the AV emission level.

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8.0 Antenna Requirement

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

This product has a PCB antenna with gain 2.34dBi maximum. It fulfills the requirement of this section. Test Result: Pass

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Mode Temperature				Keep transmitting		
Temperature	Keeping Trar	nsmitting	Test Voltage	D	C3.7V	
remperature	24 deg.	. C,	Humidity	56% RH		
Test Result:	Pass	3	Detector	РК		
0dB Bandwidth	1.208M	IHz				
	Marker 1 [T1	ndB] RBW	100 kHz	RF Att	20 dB	
Ref Lvl	ndB 20	0.00 dB VBW	300 kHz			
10 dBm	BW 1.20841	1683 MHz SWT	5 ms	Unit	dBm	
10			▼1 [T	1] -	2.01 dBm	
		1		2.4017		
0			ndB	2	0.00 dB	
			BW	1.2084		
-10		<u>/</u>		<u>T1] -2</u>	2.00 dBm	
					8978 GHz 2.07 dBm	
-20	Ţ			2.4025		
1MAX					1	
- 30				hing		
manner						
-50					Werter	
-60						
-70						
- 80						
-90 Center 2.40	2 GHz	300 kHz/			an 3 MHz	

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Product:	WIRDE/2.4G/BT GAMIN MOUSE					Test Mode:		Keep transmitting		
Mode	Keeping Transmitting					Test Voltage		DC3.7V		
Temperature	24 deg. C, Pass					Humidity		56% RH		
Test Result:						Detector		РК		
20dB Bandwidth	1.208MHz									
k k k k k k k k k k k k k k k k k k k	Marker 1 [T1 ndB]			RBW	100 k	Hz I	RF Att	20 dB		
Ref Lvl		ndB	20.	00 dB	VBW	300 k				
10 dBm 10		BW 1	.208416	83 MHz	SWT	5 m	ເຮ ໂ	Jnit	dBm	ı
10						▼1	[T1]		l.38 dBm	A
0				1				2.43974	449 GHz	
0						ndI	8	20	0.00 dB	
						BW ▼ _T :	[T1]	1.20841	.683 MHz 1.22 dBm	
-10								2.43938	.22 GBR 3978 GHz	
		т				, vr	2 [T1]	-23	l.61 dBm	
-20		7				ţ		2.44059	820 GHz	1MA
							\backslash			
-30	~~~									
	/ 1						- White	$\left[\right]$		
-40	/									
Menner										
-50									mund	
-60										
-70										
-80										
-90	4.4				l-TT_ (
Center 2		2 023 14		300]	KHZ/			Spa	an 3 MHz	

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Product:	WIRDE/2.4G/BT GAMIN MOUSE					Test Mode:		Keep transmitting		
Mode	Keeping Transmitting					Test Voltage		DC3.7V		
Temperature	24 deg. C, Pass 1.208MHz					Humidity Detector		56%	% RH	
Test Result:								РК		
20dB Bandwidth										
Res .		Marker			RBW	100 k	Hz R	F Att	20 dB	
Ref Lvl		ndB		00 dB	VBW	300 k		• .	15	
10 dBm		BW 1	.208416	83 MHz	SWT	5 m	s U	nit	dBm	
						▼1	[T1]	- 0	0.15 dBm	A
0				1					449 GHz	
			/		\sim	ndE BW	3	20	0.00 dB 683 MHz	
-10					<u> </u>		[T1]	-19		
10								2.47938	978 GHz	
-20		T V					2[T1] 7	-20		
1MAX							\backslash	2.48059	820 GHz	1MA
-30							$\langle \rangle$			
- 50		\sim					$\langle \dots \rangle$			
-40	/									
-50								l V	L.	
50									~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
-60										
- 00										
-70										
- / 0										
-80										
-90										
Center 2	.48 GH:	z		300]	cHz/			Spa	an 3 MHz	
Date: 10). TAN 2	023 14	:19:29							

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10.0 FCC ID Label

FCC ID: TUVDS-2957A

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



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11.0 Photo of testing

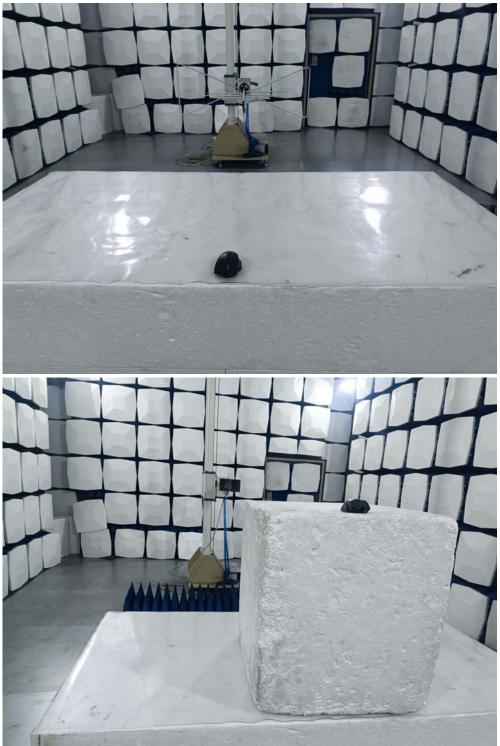
11.1 Conducted test View--



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Radiated emission test view



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11.2 Photographs - EUT



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Photographs - EUT

Outside View



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Outside View



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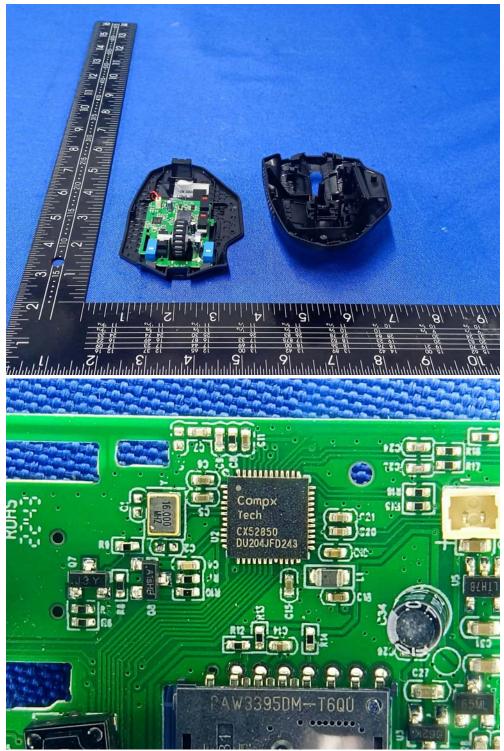
Outside View



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Inside view

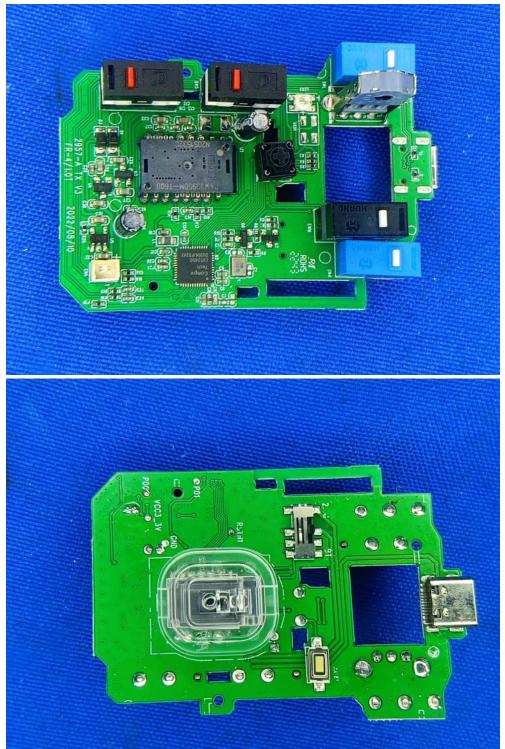


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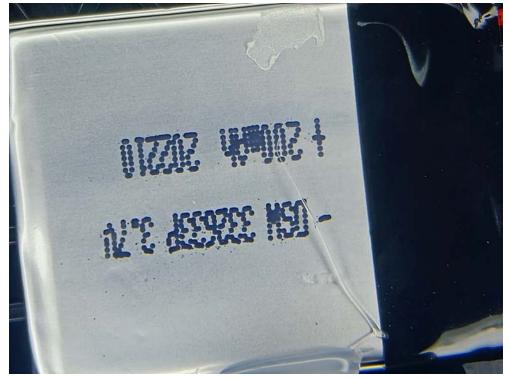
Inside view



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Inside view



--End of the report--

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