

Report No.: TW2302109-01E

Applicant: Eastern Times Technology Co.,Ltd

Product: WIRED/2.4G/BT GAMING MOUSE

Model No.: M693-RGB, DS-2910

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

Term lang

Terry Tang

Manager

Dated: March 06, 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

Report No.: TW2302109-01E Page 2 of 42

Date: 2023-03-06



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

Report No.: TW2302109-01E

Date: 2023-03-06



Test Report Conclusion

Cont	teni	t
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1.0	General Details	4
1.1	Test Lab Details.	4
1.2	Applicant Details	4
1.3	Description of EUT	4
1.4	Submitted Sample	4
1.5	Test Duration.	5
1.6	Test Uncertainty	5
1.7	Test By	5
2.0	List of Measurement Equipment	6
3.0	Technical Details	7
3.1	Summary of Test Results	7
3.2	Test Standards	7
4.0	EUT Modification	7
5.0	Power Line Conducted Emission Test	8
5.1	Schematics of the Test	8
5.2	Test Method and Test Procedure	8
5.3	Configuration of the EUT	8
5.4	EUT Operating Condition	9
5.5	Conducted Emission Limit.	9
5.6	Test Result	9
6.0	Radiated Emission test	12
6.1	Test Method and Test Procedure	12
6.2	Configuration of the EUT	13
6.3	EUT Operation Condition	13
6.4	Radiated Emission Limit	13
6.5	Test Result	15
7.0	Band Edge	23
7.1	Test Method and Test Procedure	23
7.2	Radiated Test Setup	23
7.3	Configuration of the EUT	23
7.4	EUT Operating Condition	23
7.5	Band Edge Limit	23
7.6	Band Edge Test Result.	24
8.0	Antenna Requirement	28
9.0	20dB bandwidth measurement	29
10.0	FCC ID Label	32
11.0	Photo of Test Setup and EUT View	33

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Date: 2023-03-06



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, China

Telephone: (755) 83448688 Fax: (755) 83442996

Site on File with the Federal Communications Commission – United Sates

Registration Number: 744189 For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: Eastern Times Technology Co.,Ltd

Address: Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town, Dongguan City,

Guangdong, China.

Telephone: -Fax: --

1.3 Description of EUT

Product: WIRED/2.4G/BT GAMING MOUSE
Manufacturer: Eastern Times Technology Co.,Ltd

Address: Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town,

Dongguan City, Guangdong, China.

Trademark: REDRAGON
Model Number: M693-RGB
Additional Model Name DS-2910

Rating: DC5V, 260mA or DC3.7V, 120mA Battery DC3.7V, 700mAh Li-ion battery

Modulation Type: GFSK

Operation Frequency: 2405-2475MHz

Channel Number: 16

Channel List (Unit: MHz): 2405, 2463, 2441, 2426, 2408, 2466, 2445, 2422, 2414, 2471, 2459, 2436,

2419, 2475, 2453, 2439

Hardware Version: 2910-B1 TX V3 Software Version: V4.31_359ba6cb

Serial No.: RDM893-RGB22101000404

Antenna Designation PCB antenna with gain 2.24dBi Max (Get from the antenna specification)

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Report No.: TW2302109-01E Page 5 of 42

Date: 2023-03-06



1.4 Submitted Sample: 2 Samples

1.5 Test Duration

2023-02-15 to 2023-03-06

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

The sample tested by

Print Name: Andy Xing

Page 6 of 42

Report No.: TW2302109-01E

Date: 2023-03-06



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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Page 7 of 42

Report No.: TW2302109-01E

Date: 2023-03-06



3.0 Technical Details

3.1 Summary of test results

The EUT has been	ı tested accordin	g to the following	specifications:
		A	, 50000

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

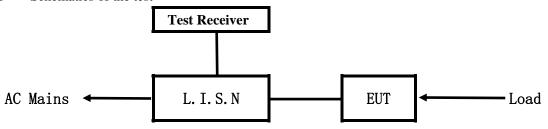
Report No.: TW2302109-01E

Date: 2023-03-06



5. Power Line Conducted Emission Test

5.1 Schematics of the test

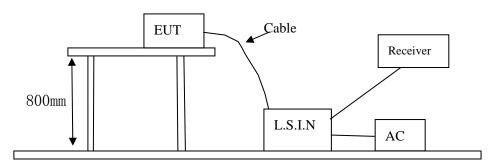


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.4-2014. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.4 –2014.

Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.4-2014. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

16 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID	
WIRED/2.4G/BT GAMING	Eastern Times Technology	M602 DCD DC 2010	TUVDS-2910B	
MOUSE	Co.,Ltd	M693-RGB, DS-2910	10 VDS-2910B	

Report No.: TW2302109-01E Page 9 of 42

Date: 2023-03-06



B. 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 C63.4 -2014

- 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 (dB 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 ~ 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

Report No.: TW2302109-01E

Date: 2023-03-06



A: Conducted Emission on Live Terminal (150kHz to 30MHz)

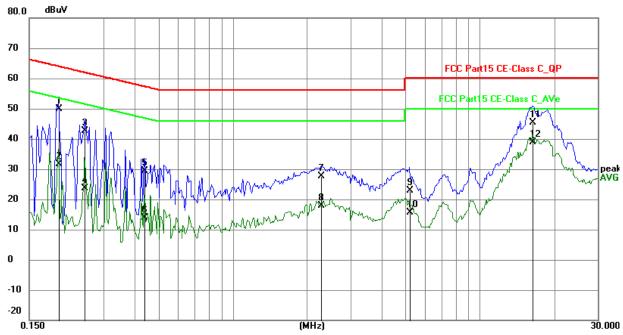
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Charging and Keep Transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1968	40.20	9.75	49.95	63.74	-13.79	QP	Р
2	0.1968	21.92	9.75	31.67	53.74	-22.07	AVG	Р
3	0.2514	32.87	9.75	42.62	61.71	-19.09	QP	Р
4	0.2514	13.94	9.75	23.69	51.71	-28.02	AVG	Р
5	0.4386	19.56	9.77	29.33	57.09	-27.76	QP	Р
6	0.4386	4.20	9.77	13.97	47.09	-33.12	AVG	Р
7	2.2755	17.87	9.81	27.68	56.00	-28.32	QP	Р
8	2.2755	8.17	9.81	17.98	46.00	-28.02	AVG	Р
9	5.2151	12.87	9.94	22.81	60.00	-37.19	QP	Р
10	5.2151	5.74	9.94	15.68	50.00	-34.32	AVG	Р
11	16.3146	34.80	10.46	45.26	60.00	-14.74	QP	Р
12	16.3146	28.34	10.46	38.80	50.00	-11.20	AVG	Р

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Report No.: TW2302109-01E

Date: 2023-03-06



B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

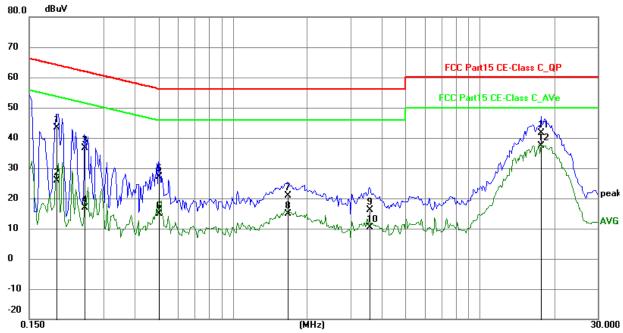
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Charging and Keep Transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1929	33.53	9.75	43.28	63.91	-20.63	QP	Р
2	0.1929	16.07	9.75	25.82	53.91	-28.09	AVG	Ъ
3	0.2514	26.93	9.75	36.68	61.71	-25.03	QP	Р
4	0.2514	7.03	9.75	16.78	51.71	-34.93	AVG	Р
5	0.5010	17.33	9.77	27.10	56.00	-28.90	QP	Ъ
6	0.5010	5.23	9.77	15.00	46.00	-31.00	AVG	Р
7	1.6710	11.09	9.80	20.89	56.00	-35.11	QP	Р
8	1.6710	5.07	9.80	14.87	46.00	-31.13	AVG	П
9	3.5733	6.27	9.87	16.14	56.00	-39.86	QP	Р
10	3.5733	0.44	9.87	10.31	46.00	-35.69	AVG	Р
11	17.6757	31.00	10.54	41.54	60.00	-18.46	QP	Р
12	17.6757	26.72	10.54	37.26	50.00	-12.74	AVG	Р

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Report No.: TW2302109-01E Page 12 of 42

Date: 2023-03-06

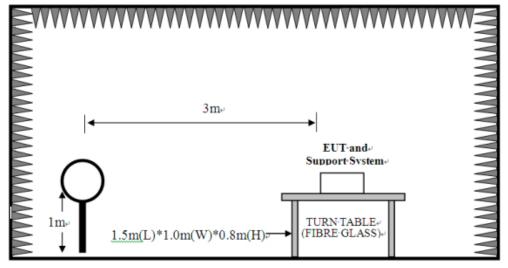


6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- (1) 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

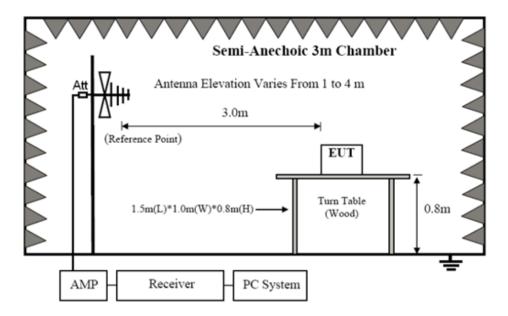


For radiated emissions from 30MHz to1GHz

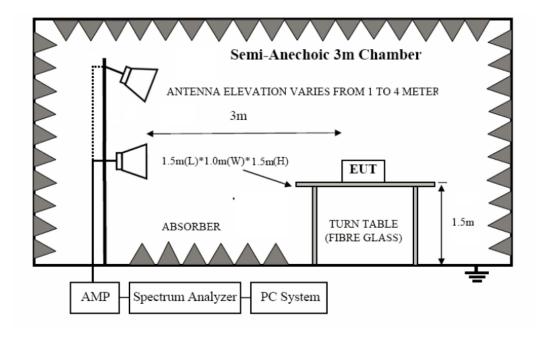
Report No.: TW2302109-01E

Date: 2023-03-06





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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Report No.: TW2302109-01E Page 14 of 42

Date: 2023-03-06



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 Strength of Harmonics (3m)			
(MHz)	mV/m	dBu	V/m	uV/m	dBuV/m		
2400-2483.5	50	94 (Average) 114 (Peak)		500	54 (Average)	74 (Peak)	

Note:

- 1. RF Field Strength $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 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.

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
30-80	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 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.

Report No.: TW2302109-01E Page 15 of 42

Date: 2023-03-06

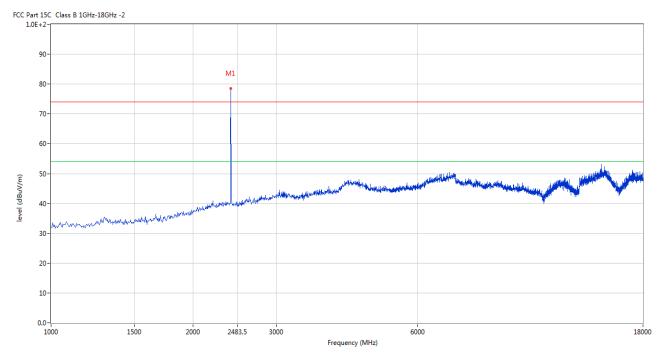


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2405MHz

Horizontal



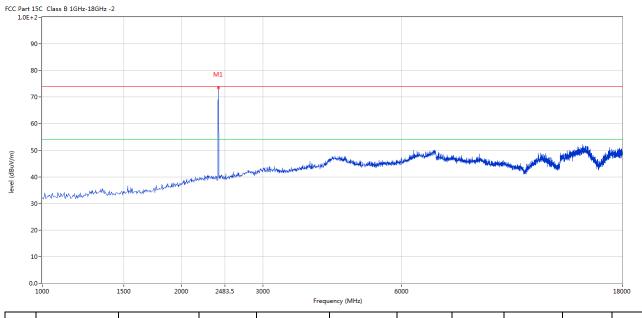
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2405	78.59	-3.57	114.0	-35.41	Peak	282.00	100	Horizontal	Pass

Report No.: TW2302109-01E Page 16 of 42

Date: 2023-03-06



Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2405	73.81	-3.57	114.0	-40.19	Peak	163.00	100	Vertical	Pass

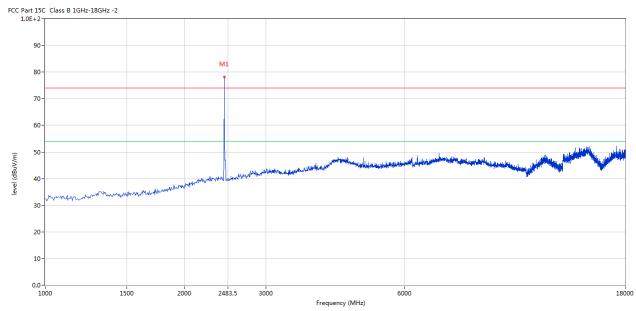
Report No.: TW2302109-01E Page 17 of 42

Date: 2023-03-06



Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



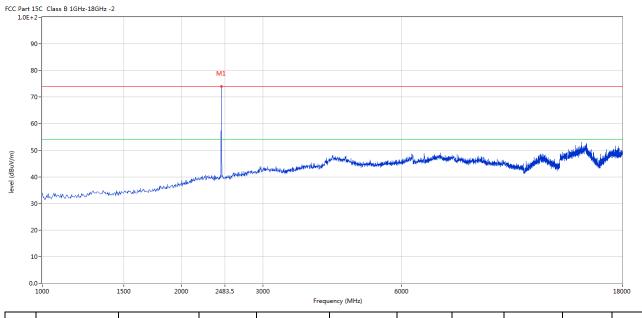
Ī	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
Ī	1	2441	78.17	-3.57	114.0	-35.83	Peak	113.00	100	Horizontal	Pass

Report No.: TW2302109-01E Page 18 of 42

Date: 2023-03-06



Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	73.94	-3.57	114.0	-40.06	Peak	183.00	100	Vertical	Pass

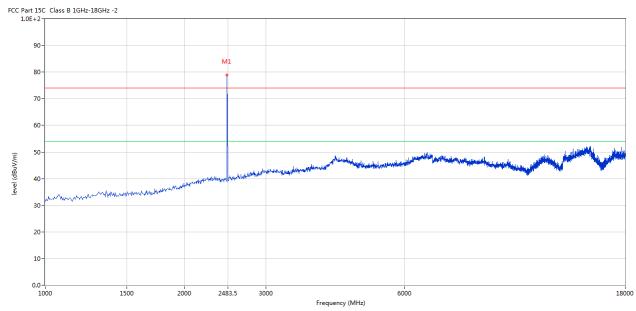
Report No.: TW2302109-01E Page 19 of 42

Date: 2023-03-06



Please refer to the following test plots for details: High Channel-2475MHz

Horizontal



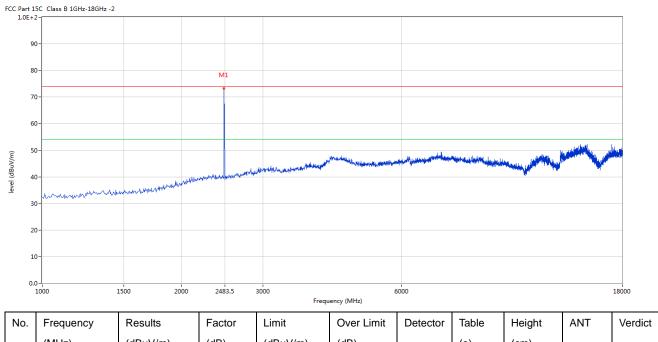
Ī	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
	1	2475	78.96	-3.57	114.0	-35.04	Peak	360.00	100	Horizontal	Pass

Report No.: TW2302109-01E Page 20 of 42

Date: 2023-03-06



Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2475	73.39	-3.57	114.0	-40.61	Peak	162.00	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.

Report No.: TW2302109-01E Page 21 of 42

Date: 2023-03-06

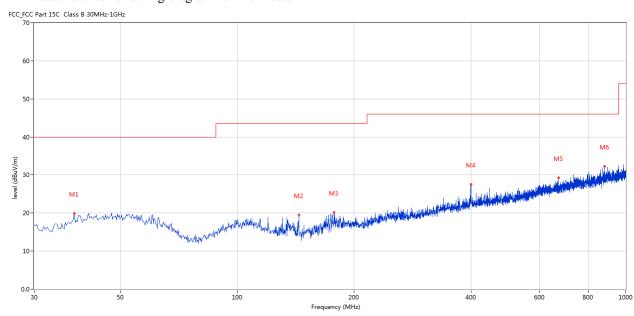


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	38.000	19.95	-12.74	40.0	-20.05	Peak	155.00	100	Horizontal	Pass
2	143.947	19.52	-17.10	43.5	-23.98	Peak	95.00	200	Horizontal	Pass
3	177.403	20.21	-15.66	43.5	-23.29	Peak	79.00	200	Horizontal	Pass
4	399.720	27.57	-8.57	46.0	-18.43	Peak	207.00	100	Horizontal	Pass
5	672.222	29.21	-4.48	46.0	-16.79	Peak	66.00	200	Horizontal	Pass
6	882.174	32.30	-2.04	46.0	-13.70	Peak	52.00	100	Horizontal	Pass

Report No.: TW2302109-01E Page 22 of 42

Date: 2023-03-06

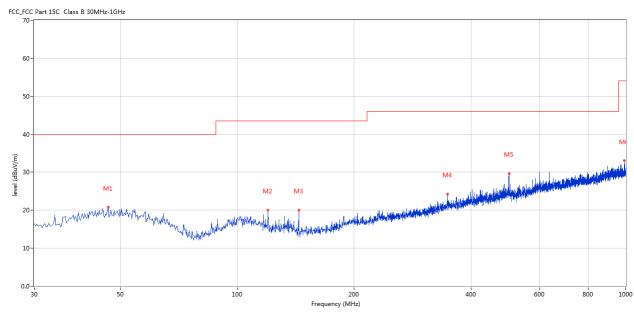


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	46.486	20.77	-11.43	40.0	-19.23	Peak	77.00	100	Vertical	Pass
2	119.945	20.05	-15.32	43.5	-23.45	Peak	93.00	200	Vertical	Pass
3	143.947	20.03	-17.10	43.5	-23.47	Peak	66.00	100	Vertical	Pass
4	347.353	24.22	-9.42	46.0	-21.78	Peak	101.00	100	Vertical	Pass
5	500.332	29.61	-6.94	46.0	-16.39	Peak	136.00	200	Vertical	Pass
6	991.030	33.02	-1.36	54.0	-20.98	Peak	68.00	100	Vertical	Pass

Report No.: TW2302109-01E Page 23 of 42

Date: 2023-03-06

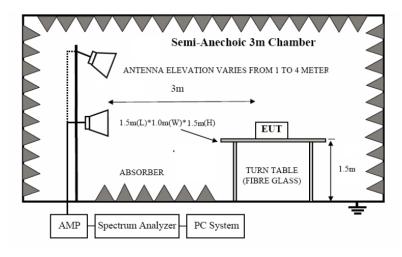


7. Band Edge

7.1 Test Method and test Procedure:

- (1) 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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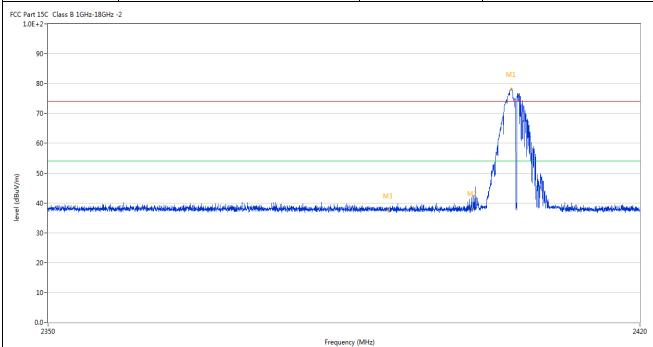
Report No.: TW2302109-01E Page 24 of 42

Date: 2023-03-06



7.6 Test Result

Product:	WIRED/2.4G/BT GAMING MOUSE	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		

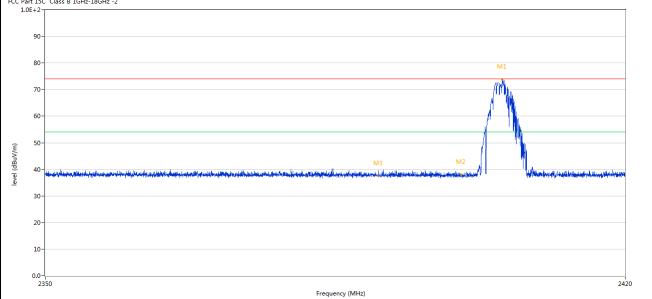


1	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
-	1	2404.604	78.10	-3.57	74.0	4.10	Peak	224.00	100	Horizontal	N/A
2	2	2400.000	38.08	-3.57	74.0	-35.92	Peak	306.18	100	Horizontal	Pass
3	3	2390.000	37.43	-3.53	74.0	-36.57	Peak	263.53	100	Horizontal	Pass

Report No.: TW2302109-01E Page 25 of 42



Product:	WIRED/2.4G/BT GAMING MOUSE	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		
CC Part 15C Class B 1GHz-18GHz 1.0E+2- 90-	-2		

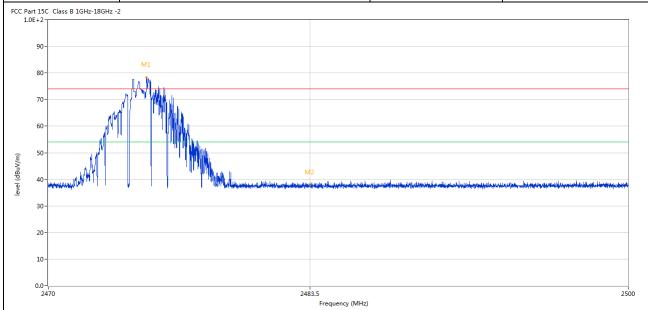


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2404.989	73.75	-3.57	74.0	-0.25	Peak	188.00	100	Vertical	Pass
2	2400.000	38.02	-3.57	74.0	-35.98	Peak	145.35	100	Vertical	Pass
3	2390.000	37.42	-3.53	74.0	-36.58	Peak	197.00	100	Vertical	Pass

Report No.: TW2302109-01E Page 26 of 42



Product:	WIRED/2.4G/BT GAMING MOUSE	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2475.046	78.29	-3.57	74.0	4.29	Peak	82.00	100	Horizontal	N/A
2	2483.500	37.82	-3.57	74.0	-36.18	Peak	185.43	100	Horizontal	Pass

Page 27 of 42

Report No.: TW2302109-01E



	Product:	WIRED/2.4	AMING MOUS	E I	Detector	Vertical				
	Mode	Ke	eping Trar	nsmitting	Tes	st Voltage		D	C3.7V	
Te	mperature		24 deg. C,			lumidity	56% RH			
Te	est Result:		Pass	.						
C Part 1	15C Class B 1GHz-18GHz -2	2								
0	10-									
9										
8	0-	M1								
7	70-									
6	50-									
·										
	.0-	Thu,								
				M2						
			Managama	M2		وسالط والمالية والم	with the second of the second	dari ana Mara da	diffyn cedaidd dywddiwyng a fawllae	pangas, an ha
. 5		111111111111111111111111111111111111111	Humanian	M2	inclused distribution of the state of the st	ewitaned howith high work of the set	ning and the section of the section	dankare (Menoral manifest Matterna)	alffy a ge laid hi dy ard h y agy a tea h age	through contribu
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3	10- manufactura bland Mary Bland		Muna	M2	making at the management of all many to the	وصافاة بالطائد المتابقة المتابقة والمتابقة والمتابقة والمتابقة والمتابقة والمتابقة والمتابقة والمتابقة والمتابقة	nir 4.48 palir 18 ⁴ 12.5 ini. d. 144 d Fri	denken there denke de distingue	delproceed by the desire the second	Portugues a sin figur
3 2	0-		M Harabay Harabay	M2	nu ^l ty e ^{n g} ermanier is niet (delte, de d	ومهود المعادرة والمعادرة والمعادرة والمعادرة والمعادرة والمعادرة والمعادرة والمعادرة والمعادرة والمعادرة والمع	rin dankarik sebasaina, kanaksa	hansan titan nekeratikiki tang	ddfor y ddia holyn di hywyd a tae bwy	nings.up/p
5 4 3 2	10 - MANAGEMENT 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10		W HAMMAN ALLOW	M2 2483.5 Freque	ency (MHz)	nedgendkejülikeli virkeland	nin dankada sekirasinin, dan dan	den en thered yearle blildings	ddd a chail driff a chaill a c	2500
5 4 3 2	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	Results	Factor	Freque	ency (MHz) Over Limit	Detector	Table	Height	ANT	ī
3 3 2 2 1 0.	0-2470	Results (dBuV/m)	Factor (dB)	Limit		Detector	Table (o)	and the second s	Mary Agency Advisor Ad	ī
5 4 3 2 1	00- 00- 00- 00- 00- 00- 00- 00- 00- 00-			Limit (dBuV/m) (Over Limit	Detector Peak		Height	Mary Agency Advisor Ad	2500 Verdid

Note: 1. The PK emission level less than the AV limit. No necessary to record the AV emission level.

Report No.: TW2302109-01E

Date: 2023-03-06



Page 28 of 42

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. The antenna gain is 2.24dBi Max. It fulfills the requirement of this section. Test Result: Pass

Page 29 of 42

Report No.: TW2302109-01E



9.0 20dB Bandwid	th Measurement					
Product:	WIRED/2.4G	BT GAMING MO	USE	Test Mode:	Kee	p transmitting
Mode	Keepi	ng Transmitting		Test Voltage		DC3.7V
Temperature		24 deg. C,		Humidity		56% RH
Test Result:		Pass		Detector		PK
20dB Bandwidth	2	2.144MHz				
Ref Lvl	Marker ndB	1 [T1 ndB] 20.00 dB		300 k		t 20 dB
10 dBm	BW 2	2.14428858 MHz	SI	WT 5 n	ns Unit	dBm
0				▼ ₁	[T1] 2.4	-5.35 dBm A 0450401 GHz 20.00 dB
-10		Alares A		BW ∇ _T	[T1]	4428858 MHz -26.62 dBm
-20		m W	M		2 [T1]	0395291 GHz -25.47 dBm 0609719 GHz
-30						1MA
-40	Jun 1					<u></u>
-50	Maydelle				The last	1, 1, 1, 1
-60						
-70						
-80						
-90 Center 2.	405 GHz	500	kHz/			Span 5 MHz
Date: 28	.FEB.2023 09	:20:51				

Page 30 of 42

Report No.: TW2302109-01E



Product:	WIRED/2.4G/B	T GAMING MOUS	Е	Test Mode:		Keep tra	nsmitting	
Mode	Keeping	Transmitting		Test Voltage		DC	3.7V	
Temperature	24	deg. C,		Humidity		56% RH		
Test Result:	Pass 2.214MHz			Detector		PK		
20dB Bandwidth								
Ref Lvl	Marker indB	1 [T1 ndB] 20.00 dB	RB VB			F Att	20 dB	
10 dBm	BW 2	.21442886 MHz	SW	T 5 ms	s Ur	nit	dBm	
10				▼1	[T1]	-4 2.44051	.09 dBm 403 GHz	Α
-10			_	BW V _{T1}	[T1]	2.21442 -24 2.43989		
-20	TX	MAN NOW		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	[T1] T2	-24 2.44210	.12 dBm	
-30	W				My -			1MA
-40	A POSSIBLE OF THE PROPERTY OF				4	when the war	<u> </u>	
-50	• • • • • • • • • • • • • • • • • • • •						my	
-60								
-70								
-80								
-90 Center 2	.441 GHz	500	cHz/			Qn a	n 5 MHz	
	3.FEB.2023 09:		-1171			Spa	5 11112	

Page 31 of 42

Report No.: TW2302109-01E



Product:	WIRED/2.4G/F	BT GAMING MOUS	E	T	est Mode:		Keep tra	nsmitting	
Mode	Keepin	g Transmitting		Test Voltage			DC	3.7V	
Temperature	24 deg. C, Pass				Humidity		56% RH		
Test Result:					Detector		PK		
20dB Bandwidth	2.204MHz								
Ref Lvl	Marker ndB	1 [T1 ndB] 20.00 dB		BW BW	100 kH 300 kH		F Att	20 dB	
10 dBm	BW 2	2.20440882 MHz	S	WT	5 ms	Uı	nit	dBm	
10					V 1 [[T1]	2.47450	.90 dBm	A
0			`\		ndB BW V T1	[2.20440		
-10			\rangle	$\sqrt{}$	V _{T2}	[T1]	2.47389 -24	.75 dBm 279 GHz .81 dBm	
-20 1MAX	T1					T2	2.47609	719 GHz	1MA
-30	1/4								
-40	www					M	min	Jums	
-50									
-60									
-70									
-80									
-90									
Center 2 Date: 27	.475 GHz 7.FEB.2023 14	500 :	kHz/				Spa	n 5 MHz	

Report No.: TW2302109-01E Page 32 of 42

Date: 2023-03-06



10.0 FCC ID Label

FCC ID: TUVDS-2910B

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:



Page 33 of 42 Report No.: TW2302109-01E

Date: 2023-03-06



11.0 Photo of testing

11.1 Conducted test View--



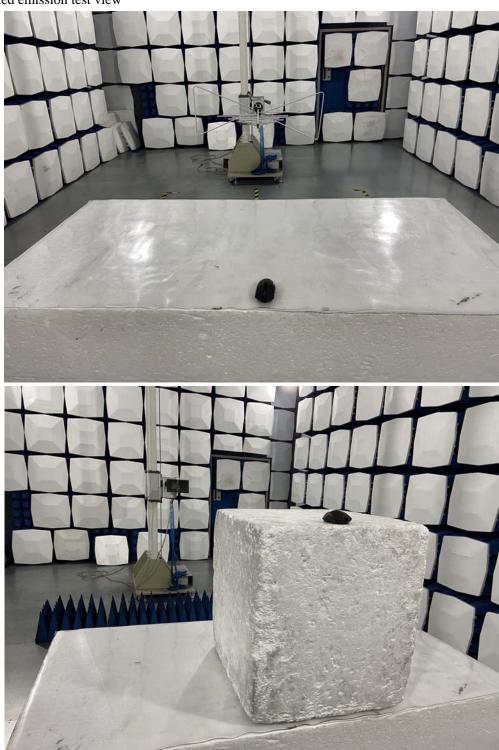
Page 34 of 42

Report No.: TW2302109-01E

Date: 2023-03-06



Radiated emission test view



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Page 35 of 42

Report No.: TW2302109-01E

Date: 2023-03-06



11.2 Outside View- Mouse



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Page 36 of 42

Report No.: TW2302109-01E

Date: 2023-03-06



Outside View- Mouse



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Page 37 of 42

Report No.: TW2302109-01E

Date: 2023-03-06







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Page 38 of 42

Report No.: TW2302109-01E

Date: 2023-03-06



Inside View- Mouse



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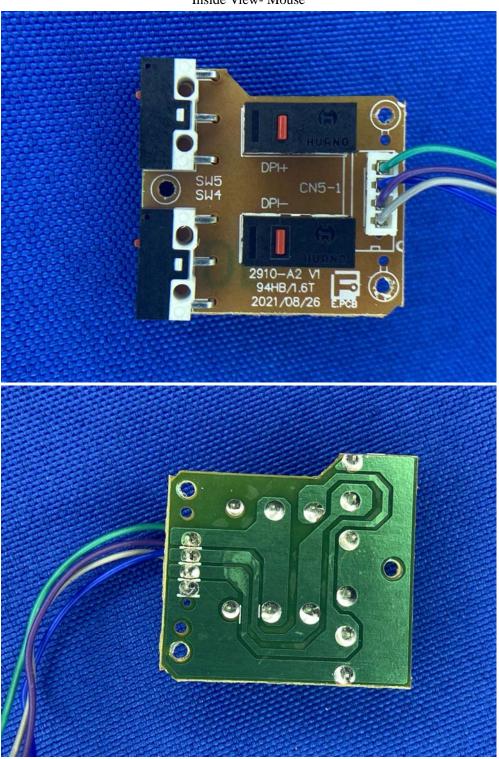
Page 39 of 42

Report No.: TW2302109-01E

Date: 2023-03-06



Inside View- Mouse



The report refers only to the sample tested and does not apply to the bulk.

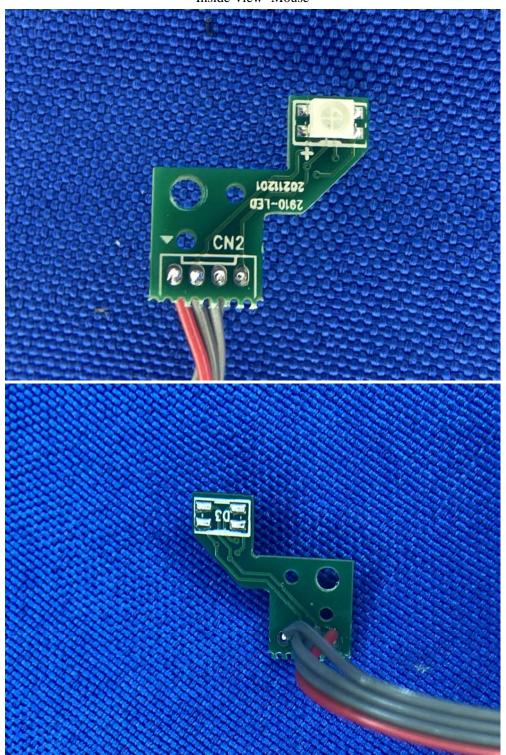
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Report No.: TW2302109-01E

Date: 2023-03-06



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adopt any other remedies which may be appropriate.

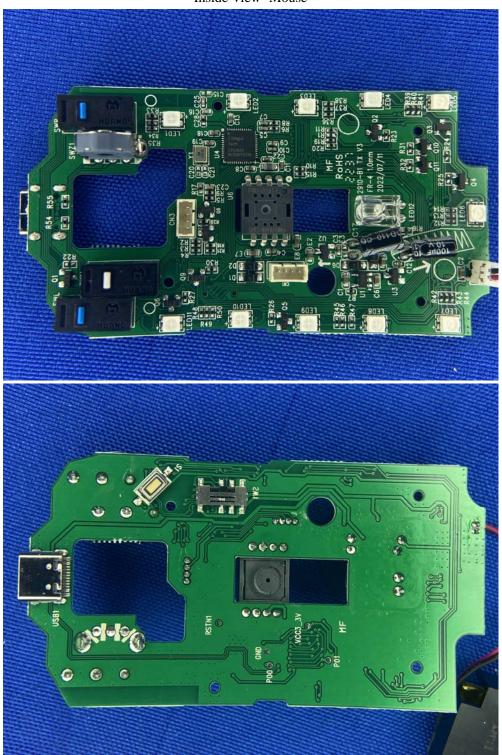
Page 41 of 42

Report No.: TW2302109-01E

Date: 2023-03-06



Inside View- Mouse



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Report No.: TW2302109-01E Page 42 of 42



Inside View- Mouse



-- End of the Report--