

Report No.: TW2308043E

Applicant: Eastern Times Technology Co.,Ltd

Product: RGB GAMING MOUSE

Model No.: M915RGB-WL, DS-2885, M915W-RGB-WL

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 Tang

Manager

Dated: September 04, 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

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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

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Test Report Conclusion

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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, 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: RGB 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: M915RGB-WL

Additional Model Name DS-2885, M915W-RGB-WL

Rating: Input: DC5V, 240mA or DC3.7V, 72mA

Battery: DC3.7V, 1000mAh Li-ion battery

Hardware Version: 2885-A1 V3 Software Version: 343024

Serial No.: RDM915RGB-WL23081500535

Operation Frequency: 2403-2480MHz

Channel Number: 16

Channel List (Unit: MHz): 2403, 2424, 2441, 2461, 2414, 2435, 2450, 2470, 2409, 2429, 2455, 2475,

2419, 2445, 2465, 2480

Antenna Designation PCB antenna with gain 2.34dBi maximum (Declared by the Manufacturer)

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1.4 Submitted Sample: 2 Samples

1.5 Test Duration

2023-08-02 to 2023-09-04

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

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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	2023-07-14	2024-07-13
LISN	R&S	EZH3-Z5	100294	2023-07-14	2024-07-13
LISN	R&S	EZH3-Z5	100253	2023-07-14	2024-07-13
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2023-07-14	2024-07-13
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2023-07-14	2024-07-13
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	2023-07-14	2024-07-13
Power sensor	Anritsu	MA2491A	32263	2023-07-14	2024-07-13
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2022-07-18	2025-07-17
9*6*6 Anechoic		1	N/A	2022-07-26	2025-07-25
EMI Test Receiver	RS	ESVB	826156/011	2023-07-14	2024-07-13
EMI Test Receiver	RS	ESCS 30	834115/006	2023-07-14	2024-07-13
Spectrum	HP/Agilent	E4407B	MY50441392	2023-07-14	2024-07-13
Spectrum	RS	FSP	1164.4391.38	2023-07-14	2024-07-13
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	1	2023-07-14	2024-07-13
RF Cable	Zhengdi	7m		2023-07-14	2024-07-13
Pre-Amplifier	Schwarebeck	BBV9743	#218	2023-07-14	2024-07-13
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2023-07-14	2024-07-13
LISN	SCHAFFNER	NNB42	00012	2023-07-14	2024-07-13
ESPI Test Receiver	R&S	ESPI 3	100379	2023-07-14	2024-07-13
LISN	R&S	EZH3-Z5	100294	2023-07-14	2024-07-13

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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3.0 Technical Details

3.1 Summary of test results

The EUT has	been tested	l 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
FCC Part 15.215(c)	20dB bandwidth	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

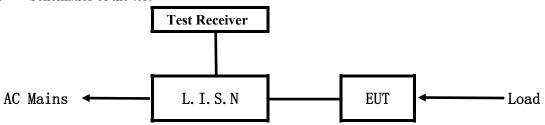
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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

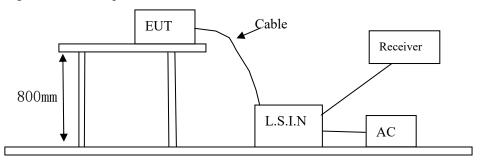


EUT: Equipment Under Test

5.2 Test Method and test Procedure

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

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.

16 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID
RGB GAMING	Forton Times Technology Co. Ltd	M915RGB-WL, DS-2885,	TIN/DC 2005 A
MOUSE	Eastern Times Technology Co.,Ltd	M915W-RGB-WL	TUVDS-2885A

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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 C63.10-2013

- 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

C C 1				
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:

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

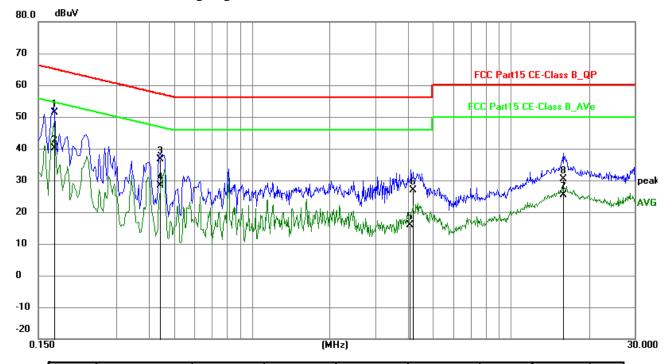
EUT Operating Environment

Temperature: 25°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	0.1730	41.73	9.77	51.50	64.82	-13.32	QP	Р
2	0.1730	30.31	9.77	40.08	54.82	-14.74	AVG	Р
3	0.4420	26.86	9.77	36.63	57.02	-20.39	QP	Р
4	0.4440	18.58	9.77	28.35	46.99	-18.64	AVG	Р
5	4.0610	6.05	9.89	15.94	46.00	-30.06	AVG	Р
6	4.1779	16.87	9.89	26.76	56.00	-29.24	QP	Р
7	15.8860	15.01	10.43	25.44	50.00	-24.56	AVG	Р
8	15.9070	19.97	10.43	30.40	60.00	-29.60	QP	Р

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

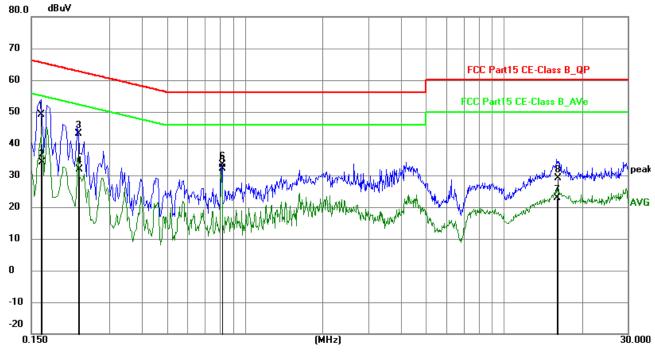
EUT Operating Environment

Temperature: 25°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	0.1640	39.46	9.78	49.24	65.26	-16.02	QP	Р
2	0.1650	24.35	9.77	34.12	55.21	-21.09	AVG	Р
3	0.2270	33.30	9.75	43.05	62.56	-19.51	QP	Ч
4	0.2280	22.09	9.75	31.84	52.52	-20.68	AVG	П
5	0.8150	22.44	9.78	32.22	46.00	-13.78	AVG	П
6	0.8160	23.60	9.78	33.38	56.00	-22.62	QP	J
7	16.0400	12.44	10.44	22.88	50.00	-27.12	AVG	Р
8	16.0740	18.76	10.44	29.20	60.00	-30.80	QP	Р

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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 9kHz to 25 GHz was investigated. The frequency spectrum is set as follows:

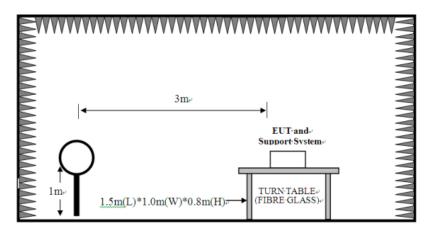
Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
ADOVE IGHZ	Peak	1MHz	10Hz	Average

(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

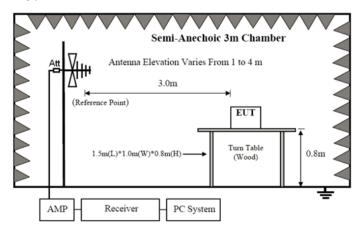


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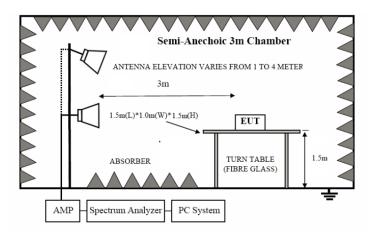
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For radiated emissions from 30MHz to1GHz



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.
- 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 Fundamental (3m)	Field Strength of Harmonics (3m)			
(MHz)	mV/m	dBuV/m	uV/m	dBuV/m		

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2400-2483.5 50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)
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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.

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. Battery fully charged was used during the test.

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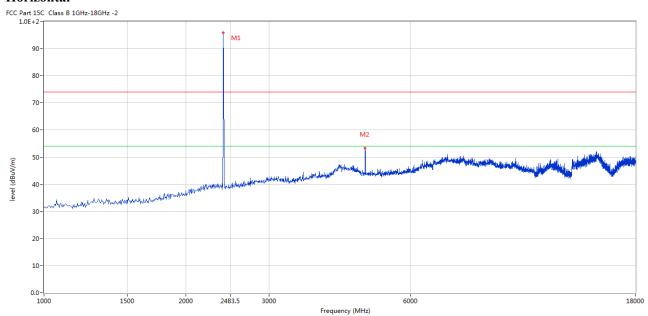


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2403MHz

Horizontal



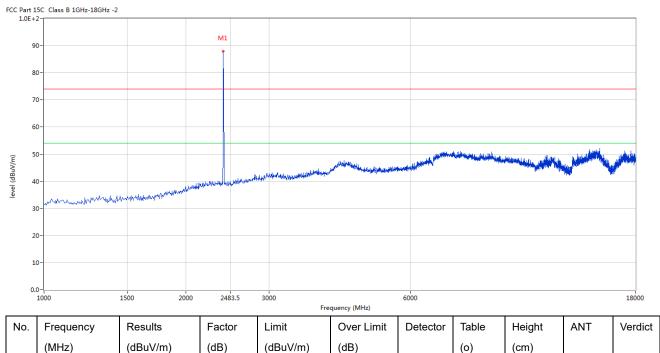
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2403	97.09	-3.57	114.0	-16.91	Peak	266.00	100	Horizontal	Pass
1*	2403	87.51	-3.57	94.0	-6.49	AV	266.00	100	Horizontal	Pass
2	4802.799	52.31	3.12	74.0	-20.69	Peak	270.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2403	88.91	-3.57	114.0	-25.09	Peak	290.00	100	Vertical	Pass

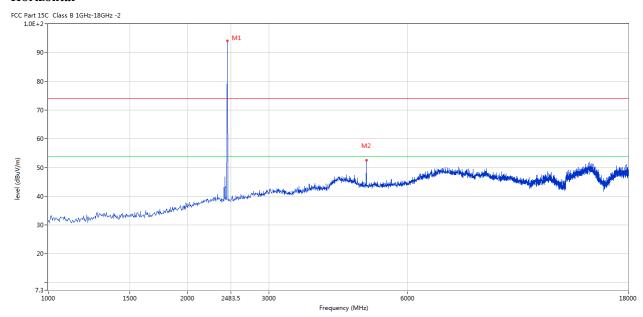
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



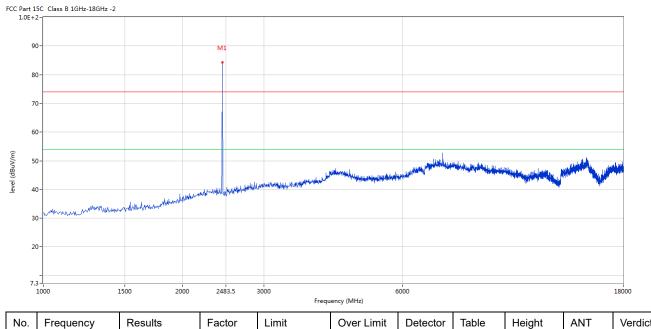
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	94.15	-3.57	114.0	-19.85	Peak	249.00	100	Horizontal	Pass
1*	2441	84.72	-3.57	94.0	-9.28	AV	249.00	100	Horizontal	Pass
2	4879.280	52.46	3.20	74.0	-21.54	Peak	268.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	84.35	-3.57	114.0	-29.65	Peak	279.00	100	Vertical	Pass

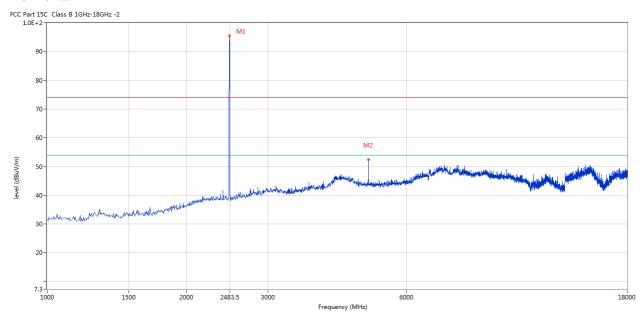
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



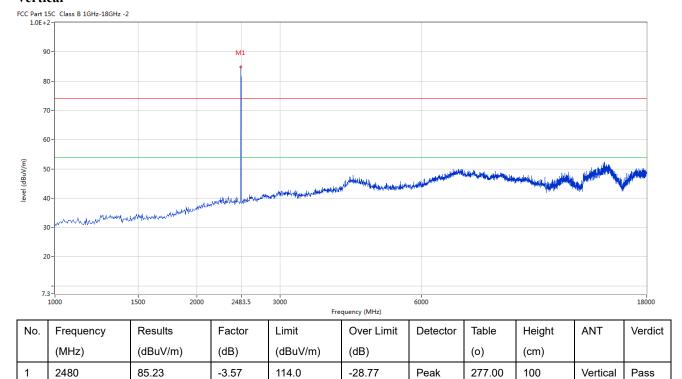
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	95.59	-3.57	114.0	-18.41	Peak	268.00	100	Horizontal	Pass
1*	2480	86.03	-3.57	94.0	-7.97	AV	268.00	100	Horizontal	Pass
2	4960.010	53.42	3.36	74.0	-20.58	Peak	279.00	100	Horizontal	Pass

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Vertical



Note: (1) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier

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

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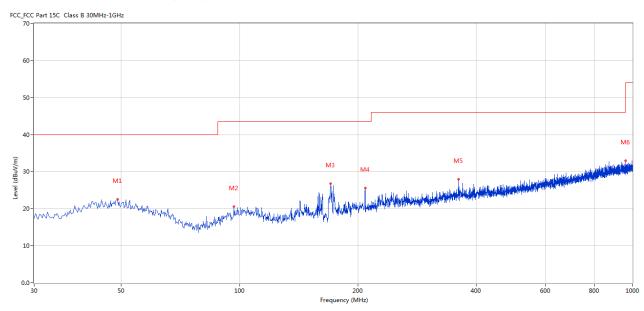


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	48.910	22.57	-11.21	40.0	17.43	Peak	100.00	100	Horizontal	Pass
2	96.671	20.63	-14.02	43.5	22.87	Peak	263.00	100	Horizontal	Pass
3	170.615	26.75	-15.92	43.5	16.75	Peak	263.00	100	Horizontal	Pass
4	208.678	25.52	-13.67	43.5	17.98	Peak	245.00	100	Horizontal	Pass
5	361.172	27.91	-9.52	46.0	18.09	Peak	360.00	100	Horizontal	Pass
6	960.482	32.95	-1.62	54.0	21.05	Peak	100.00	100	Horizontal	Pass

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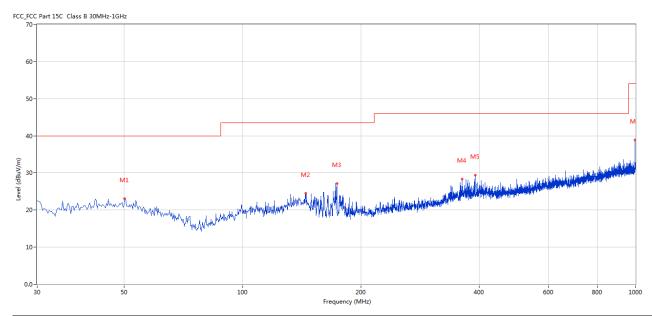


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	50.122	23.02	-11.38	40.0	16.98	Peak	152.00	100	Vertical	Pass
2	144.674	24.52	-17.18	43.5	18.98	Peak	253.00	100	Vertical	Pass
3	173.767	27.18	-15.88	43.5	16.32	Peak	216.00	100	Vertical	Pass
4	362.384	28.30	-9.50	46.0	17.70	Peak	299.00	100	Vertical	Pass
5	390.507	29.41	-8.86	46.0	16.59	Peak	299.00	100	Vertical	Pass
6	996.606	38.95	-1.26	54.0	15.05	Peak	326.00	100	Vertical	Pass

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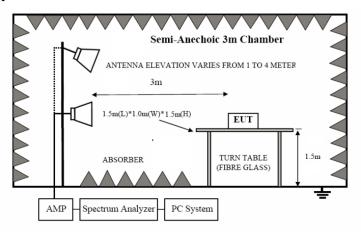


7. Band Edge

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.

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

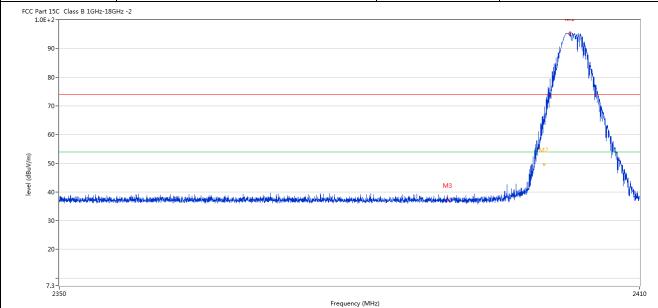
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7.6 Test Result

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



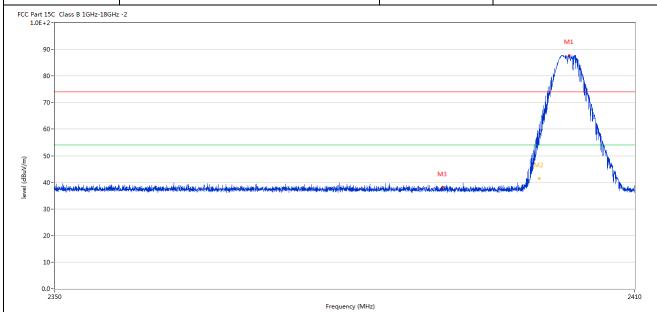
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	2402.742	95.40	-3.57	74.0	21.40	Peak	271.00	100	Horizontal	N/A
2	2400.000	64.64	-3.57	74.0	-9.36	Peak	241.71	100	Horizontal	Pass
2**	2400.000	49.59	-3.57	54.0	-4.41	AV	241.71	100	Horizontal	Pass
3	2390.000	37.42	-3.53	74.0	-36.58	Peak	191.33	100	Horizontal	Pass

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48
73
100
57

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Product:	RGB GAMING MOUSE	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2403.162	87.84	-3.57	74.0	13.84	Peak	277.00	100	Vertical	N/A
2	2400.000	56.54	-3.57	74.0	-17.46	Peak	272.00	100	Vertical	Pass
2**	2400.000	41.50	-3.57	54.0	-12.50	AV	272.00	100	Vertical	Pass
3	2390.000	38.16	-3.53	74.0	-35.84	Peak	117.67	100	Vertical	Pass

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I	Product:	R	GB GAM	ING MOUS	Е	P	olarity		Horizont	al
	Mode		Keeping 7	Fransmitting		Tes	Test Voltage DC3.7			I
Te	mperature		24 d	leg. C,		Н	umidity 56% RH			I
Te	est Result:		P	ass						
FCC Part	t 15C Class B 1GHz-18GF E+2-	łz -2								
1.0E	E+2-		М:	1						
	90-		Mark Million	YYM						
	80-		A MARKET TO THE STATE OF THE ST	17/1						
	70-		/	***************************************						
•	60-		,	N						
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level (dBuV/m)	50-	a han sa hadadh		M. •	2 TO NAME AND ADDRESS OF THE PARTY OF THE PA	ulai .			ulu.	
level (dBuV/m	50- 40-	فالمستخفظ فالمتحاط والمتحاط والمتحاط والمتحاط والمتحاط		M.	- Thompson while	A de la companyation de	ellegtan s alap jes, den legt ionlegt		Marked single single service and a	anned from I while the grade
level (dBuV/m	40-	Mary Mary Mary Constitution of the Constitutio		M •	* The Management of the second	A Mariagha desirates and	ellegtaan gelijn pro _{er} droch dit haddyst	Market Representation of the Polymer	Modern de la compa	annideta, idai digerati
	30 -	woning by the state of the stat		M	* TOWN MAN MAN MAN MAN MAN MAN MAN MAN MAN MA	Huderghilangered	ellerfisse seder progressed de handlyse	deheren sijihid	Hallower, and in security and a	a.orani kita, istak dilapis da
	40-	wonin begin de plante de la constante de la co		248		Marghelmonered	જે જે માટે કર્યા કર્યા છે. જે જે જ	Market Land World Market	Hallower, anniew, seemon sp. a	2500
	30 - 20 - 7.3	Results	Factor	248 Limit	3.5	Detector	Table	Height	ANT	2500
	30 - 20 - 7.3 - 2470		Factor (dB)		3.5 Frequency (MHz)		Table (o)	Height (cm)	ANT	Г
No.	30- 20- 7.3- 2470	Results		Limit	3.5 Frequency (MHz)				ANT Horizontal	Г
	30- 20- 7.3- 2470 Frequency (MHz)	Results (dBuV/m)	(dB)	Limit (dBuV/m)	3.5 Frequency (MHz) Over Limit (dB)	Detector	(0)	(cm)		Verdic

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_	Product:	RC	BB GAMIN	NG MOUSE		Detec	Detector Vertical				
	Mode	k	Keeping Tr	ansmitting		Test Vo	ltage		DC3.7V		
Te	mperature		24 de	g. C,		Humic	lity	56% RH			
Тє	est Result:		Pa	ss							
	rt 15C Class B 1GHz-18GH E+2-	Hz -2			•						
1.0	DE+2-										
	90-		M1								
	80-		May ward	MINING.							
	70-										
			Marie Control	"							
	60-		JA"	TN _k .							
uV/m)			h	The							
evel (dBuV/m)	50-		r	- "	W _{Mu.}						
level (dBuV/m)	50-	للمنطق المنطق المنطقة	y	M2	MANAMAN WARRANSON	and any design the state of the	erockoralesiskuluspulki	المسأفذة إدراء باستوانية بالتاميد	الإمراطة عباد بمدودة عروا فيوما ومداعا بأرما	Lagar of Medical Special Spiritual S	
level (dBuV/m)	40-	المنافعة الم	y	M2	Mary Marie and the comments	and anthropies by the filler of the later.	eronan erakelikulur erik i	المستعادة والمستعادة و	the selection of the description of the selection of the	د سرچالاری پرسانه	
level (dBuV/m)	40-	na je na	,	M2	Mary Marine and the second	and analysis, at the second second second second	ند اور در	maring any description of the state of	المعارفة عناوم سينعو وليوا ودرعامان	na alkoz hiriolo	
level (dBuV/m)	30-	المنافقة المنافعة الم	,	M2	HTM HANGER WHEN COMMON	prid primbran, and visigle are distance being	derwed rithelies eil ke	ngaring ng dipuntankan dibin dikan di	الاخواقة مباؤه مرواهو وخمام أود حاباراً و		
level (dBuV/m)	40- 	ndj.sq.dispision i ndiplograpi di	,	M2	Frequency (MHz)	and only the desired from the internal constitution	ermed order jihnlere vilk i	ત્યું જેવાન માટે કેવાન કરો હતી છે. કરી હતી કરો કરી હતી હતી હતી હતી હતી હતી હતી હતી હતી હત	માંત્રી કે સાંકરમ્યું કર હતા. એ હોત	2500	
O.	30- 20-	Results	Factor	M2 2483.:		Detector	Table	Height	anda ainagas sinda ainagas sinda an aidin	1	
	30- 20- 7.3- 2470		Factor (dB)		Frequency (MHz)	Detector	Table (o)	Height (cm)	ANT	1	
No.	30- 20- 7.3- 2470	Results		Limit	Over Limit	Detector Peak		_	ANT Vertical	1	
No.	30- 20- 7.3- 2470 Frequency (MHz)	Results (dBuV/m)	(dB)	Limit (dBuV/m)	Over Limit (dB)		(0)	(cm)		verdid N/A Pass	

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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9.0 20dB Bandwidth Measurement

Test Configuration



Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW.

The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

Limit

N/A

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Test Result

Product:	RGB GAMINO	G MOUSE	Test	Test Mode: Keep transi			
Mode	Keeping Tran	nsmitting	Test V	Voltage	DC3.7V		
Temperature	24 deg.	C,	Hun	nidity	56% RH		
Test Result:	Pass	Pass			PK		
dB Bandwidth	2.275M	Hz				-	
>	Marker 1 [T	RBW :	100 kHz	RF Att	20 dB		
Ref Lvl	ndB 2	20.00 dB	VBW	300 kHz			
10 dBm	BW 2.2745	54910 MHz	SWT	5 ms	Unit	dBm	
10				▼1 [T]	L] –	6.25 dBm	
					2.4030	1503 GHz	
0				ndB	2	0.00 dB	
				BW		4910 MHz	
-10			\wedge	∇ _{T1} [1	[1] -2		
	/	\ \		V _{T2} [2	2.4018 [71] -2		
1MAX	T.F.			T2	2.4041	1723 GHz	
-30							
				\	V www.	M	
-40					- W	hurty	
-50							
-60							
-70							
-80							
-90		500 kH:				an 5 MHz	

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GFSK											
Product:	RGB (GAMING MO	USE	T	est Mode:		Keep tr	ansmitting			
Mode	Keep	Keeping Transmitting					DC3.7V				
Temperature		24 deg. C,		-	Humidity	56% RH					
Test Result:		Pass			Detector				PK		
20dB Bandwidth	2.315MHz										
(R)	Marke	Marker 1 [T1 ndB]			100 kH	Iz RI	7 Att	20 dB			
Ref Lvl	ndB		00 dB	VBW	300 kH			_			
10 dBm	BW	2.3146292	26 MHz	SWT	5 ms	Uı	nit	dBm			
					v ₁	[T1]	_	6.89 dBm	A		
0							2.44043	3387 GHz			
		1			ndB BW		2.31462	0.00 dB 2926 MHz			
-10			<u> </u>	\	∇_{T1}	[T1]	-2	6.77 dBm			
-10		/		,	VIII I		2.43983	2265 GHz			
20			S	MM		[T1]	-2	7.16 dBm			
-20 1MAX	T)	mm			^	Ţ2	2.44213	3727 GHz	1MA		
-30	Ma NIMa A					V.	Mondow	V. 1/41			
-40 www.	- 1					\ /\/)^{[W}************************************	Who w			
-50											
-60											
-70											
-80											
-90 Center 2	.441 GHz		500	kHz/			Spa	an 5 MHz			
Date: 24	.AUG.2023	10:35:08									

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GFSK											
Product:		RGB GA	MING M	OUSE		Test 1	Mode:		Keep tra	ansmitting	
Mode		Keeping Transmitting					Test Voltage		DC3.7V		
Temperature		24	4 deg. C,			Humidity			56% RH		
Test Result:		Pass				Detector			PK		
20dB Bandwidth		2.	295MHz								
<u> </u>		Marker	1 [T1 r	ndB]	RE	sw 1	L00 k	Hz Rl	F Att	20 dB	
Ref Lvl		ndB 20.00 dB					300 k			_	
10 dBm		BW 2	294589	018 MHz	SW	T	5 m	s Ui	nit	dBm	
							v ₁	[T1]	- 6	.86 dBm	A
0									2.47943	387 GHz	
			1				ndE BW	3	2.29458	.00 dB 918 MHz	
-10			\wedge	/			$oldsymbol{ abla}_{\mathrm{T1}}$	[T1]	-26	.90 dBm	
-10			/ \			\bigwedge	,		2.47884	269 GHz	
-20				/www		7 '	T.	P [T1]	-27	.24 dBm	
1MAX		TIM			•			T2	2.48113	727 GHz	1MA
-30	~~~h.	~ /						1	man	_	
-40	•	√ /						₩o	, , , , , , , , , , , , , , , , , , , 	mall	
-50											
-60											
-70											
-80											
-90 Center 2	2.48 GH:	z		500	kHz/				Spa	ın 5 MHz	
Date: 2	4.AUG.2	023 10	:51:58								

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10.0 FCC ID Label

FCC ID: TUVDS-2885A

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

Outside View



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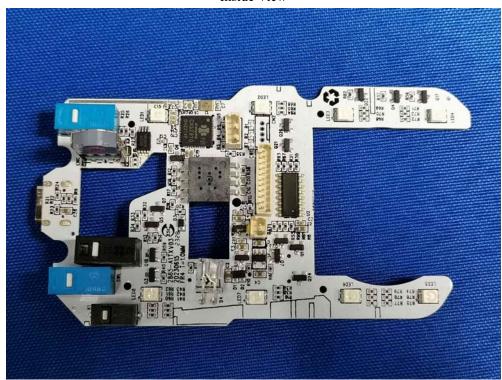
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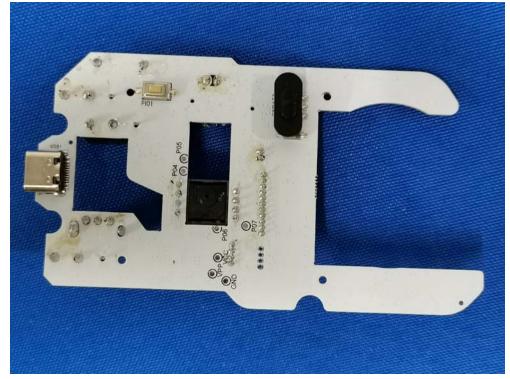
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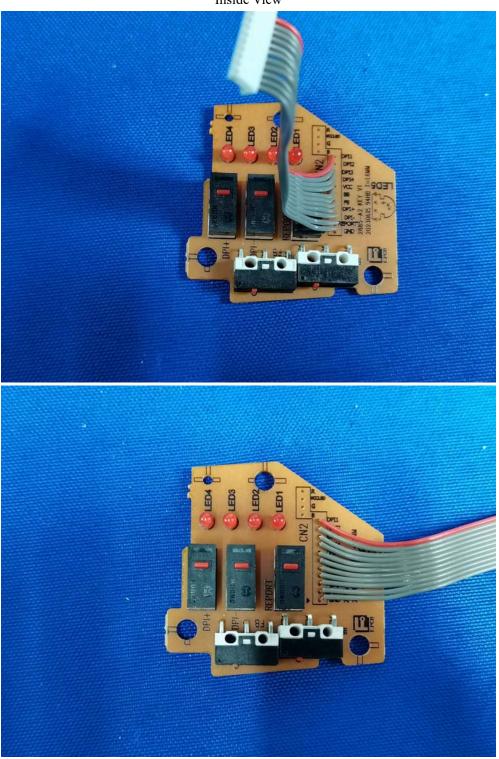
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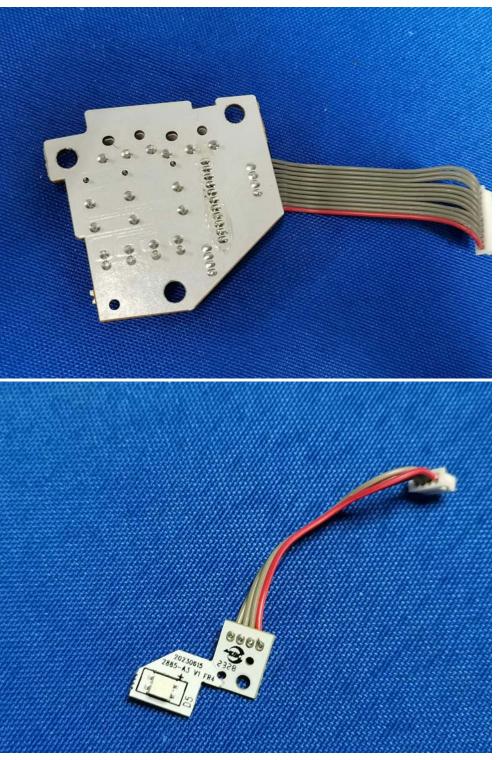
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Inside View



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