



Report No.: TW2105344E File reference No.: 2021-06-15

Applicant: Eastern Times Technology Co.,Ltd

Product: GAMING MOUSE

Model No.: M910-KS, DS-2876, M910-WS

Brand Name: 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

Jack Chung

Jack Chung

Manager

Dated: June 15, 2021

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 17025:2005 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

Date: 2021-06-15



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: GAMING MOUSE

Manufacturer: Eastern Times Technology Co.,Ltd

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

Dongguan City, Guangdong, China.

Brand Name: REDRAGON
Model Number: M910-KS

Additional Model Name DS-2876, M910-WS

Rating: Input: DC3.7V, 10mA; Charging Input: DC5V, 1A (Built-in 3.7V, 1000mAh

Li-ion Battery)

Modulation Type: GFSK

Operation Frequency: 2402-2480MHz

Channel List:

Channel	1	2	3	4	5	6	7	8
Frequency	2402	2426	2441	2463	2407	2422	2445	2466
Channel	9	10	11	12	13	14	15	16
Frequency	2414	2436	2459	2473	2419	2439	2453	2480

Unit: MHz

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Hardware Version: V1.0

Software Version: CheckSum 8194

Serial No.: RDM910-KS20103001947

Antenna Designation PCB antenna with gain -0.58dBi Max (Get from the antenna specification

provided by the applicant)

1.4 Submitted Sample: 1 Sample

1.5 Test Duration

2021-05-25 to 2021-06-15

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

Terry Tang

The sample tested by

Print Name: Terry Tang

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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	2020-06-23	2021-06-22
LISN	R&S	EZH3-Z5	100294	2020-06-23	2021-06-22
LISN	R&S	EZH3-Z5	100253	2020-06-23	2021-06-22
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2020-06-23	2021-06-22
Loop Antenna	EMCO	6507	00078608	2018-06-25	2021-06-24
Spectrum	R&S	FSIQ26	100292	2020-06-23	2021-06-22
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2020-06-23	2021-06-22
Horn Antenna	R&S	BBHA 9120D	9120D-631	2018-07-09	2021-07-08
Power meter	Anritsu	ML2487A	6K00003613	2020-06-23	2021-06-22
Power sensor	Anritsu	MA2491A	32263	2020-06-23	2021-06-22
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2018-07-04	2021-07-03
9*6*6 Anechoic		1	N/A	2020-07-06	2021-07-05
EMI Test Receiver	RS	ESVB	826156/011	2020-06-23	2021-06-22
EMI Test Receiver	RS	ESH3	860904/006	2020-06-23	2021-06-22
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2020-06-23	2021-06-22
Spectrum	HP/Agilent	E4407B	MY50441392	2020-06-23	2021-06-22
Spectrum	RS	FSP 40	1164.4391.38	2021-01-15	2022-01-14
RF Cable	7h an adi	ZT26-NJ-NJ-8		2020-06-23	2021-06-22
KI Cable	Zhengdi	M/FA		2020-00-23	2021-00-22
RF Cable	Zhengdi	7m		2020-06-23	2021-06-22
RF Switch	EM	EMSW18	060391	2020-06-23	2021-06-22
Pre-Amplifier	Schwarebeck	BBV9743	#218	2020-06-23	2021-06-22
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2020-06-23	2021-06-22
LISN	SCHAFFNER	NNB42	00012	2021-01-06	2022-01-05

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 according to the following specifications:

Standard	Test Type	Result	Notes
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

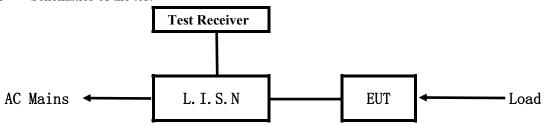
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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5. Power Line Conducted Emission Test

5.1 Schematics of the test

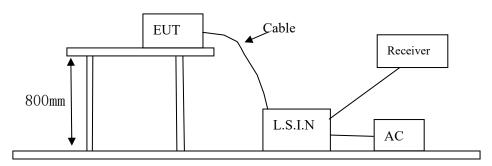


EUT: Equipment Under Test

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.

A. EUT

Device	Manufacturer	Model	FCC ID	
GAMING MOUSE	Eastern Times Technology Co.,Ltd	M910-KS, DS-2876, M910-WS	TUVDS-2876	

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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 C63.4 -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

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

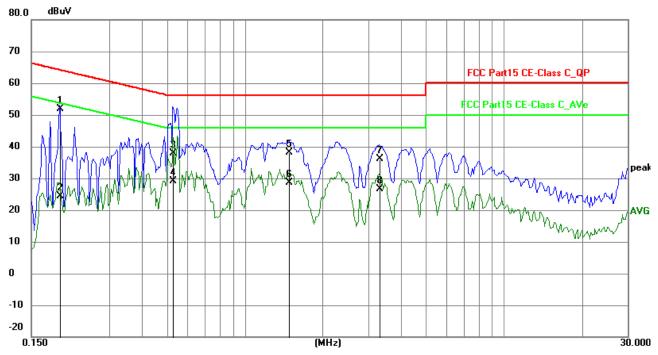
EUT Operating Environment

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	0.1929	42.16	9.75	51.91	63.91	-12.00	QP	Р
2	0.1929	14.75	9.75	24.50	53.91	-29.41	AVG	Р
3	0.5283	28.12	9.77	37.89	56.00	-18.11	QP	Р
4	0.5283	19.44	9.77	29.21	46.00	-16.79	AVG	Р
5	1.4760	28.39	9.79	38.18	56.00	-17.82	QP Q	Р
6	1.4760	18.83	9.79	28.62	46.00	-17.38	AVG	Р
7	3.2964	26.39	9.86	36.25	56.00	-19.75	QP	Р
8	3.2964	16.85	9.86	26.71	46.00	-19.29	AVG	Р

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

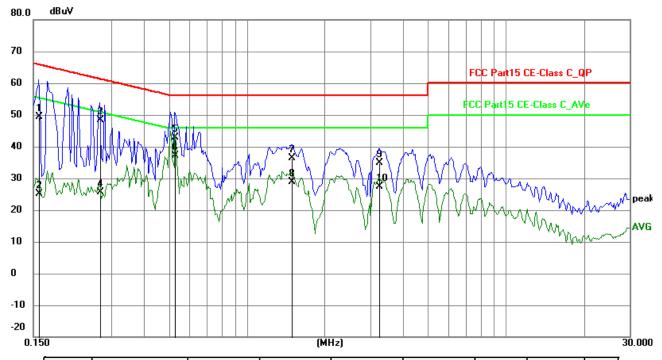
EUT Operating Environment

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	0.1578	39.54	9.78	49.32	65.58	-16.26	QP	Р
2	0.1578	15.32	9.78	25.10	55.58	-30.48	AVG	Р
3	0.2709	38.56	9.75	48.31	61.09	-12.78	QP	Р
4	0.2709	15.76	9.75	25.51	51.09	-25.58	AVG	Р
5	0.5283	33.01	9.77	42.78	56.00	-13.22	QP	Р
6	0.5283	27.34	9.77	37.11	46.00	-8.89	AVG	Р
7	1.4916	26.68	9.79	36.47	56.00	-19.53	QP	Р
8	1.4916	19.16	9.79	28.95	46.00	-17.05	AVG	Р
9	3.2379	25.00	9.85	34.85	56.00	-21.15	QP	Р
10	3.2379	17.56	9.85	27.41	46.00	-18.59	AVG	Р

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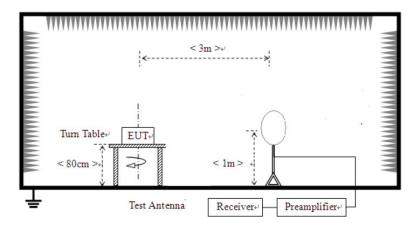


6 Radiated Emission Test

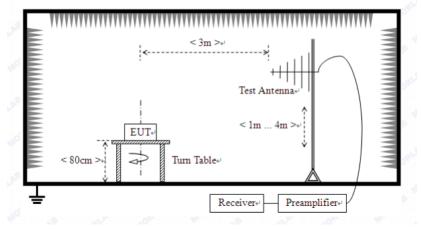
- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size 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 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



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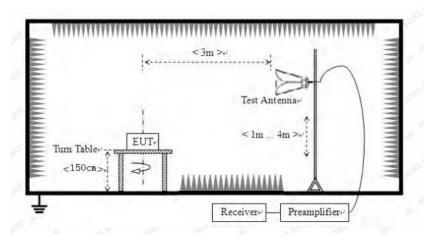
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For radiated emissions above 1GHz



- 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 Fundame	ntal (3m)	Field Strength of Harmonics (3m)			
(MHz)	mV/m	dBu	V/m	uV/m	V/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 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.

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

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
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 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. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.
- 5. 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.
- 6. Battery full charged during tests.

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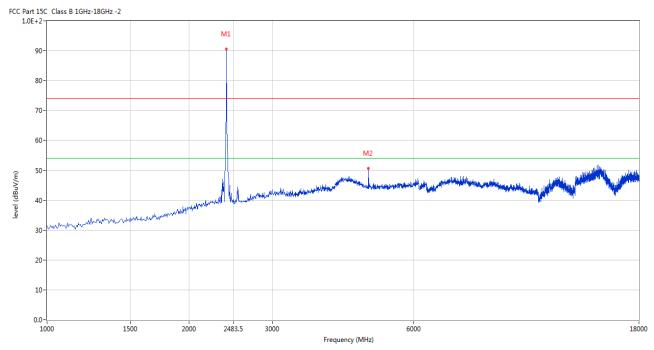


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



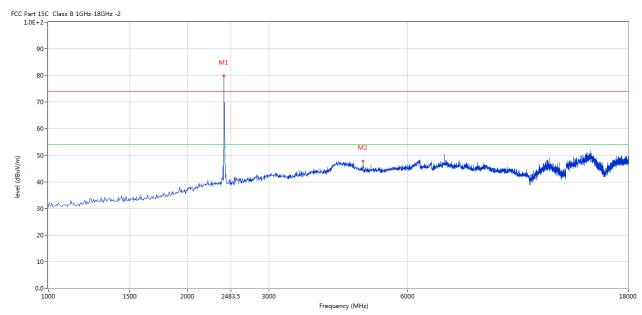
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402.149	90.58	-3.57	114.0	-23.42	Peak	337.00	100	Horizontal	Pass
2	4802.799	50.75	3.12	74.0	-23.25	Peak	323.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402.149	79.92	-3.57	114.0	-34.08	Peak	79.00	100	Vertical	Pass
2	4802.799	47.78	3.12	74.0	-26.22	Peak	222.00	100	Vertical	Pass

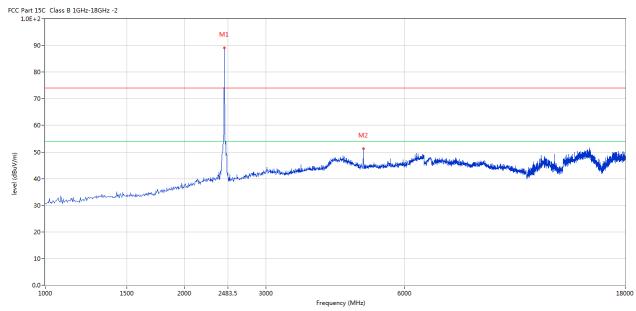
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



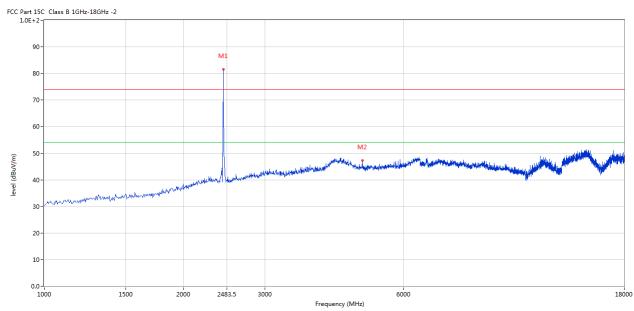
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2440.390	89.11	-3.57	114.0	-24.89	Peak	341.00	100	Horizontal	Pass
2	4883.529	51.30	3.20	74.0	-22.70	Peak	331.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2440.390	81.59	-3.57	114.0	-32.41	Peak	68.00	100	Vertical	Pass
2	4883.529	47.28	3.20	74.0	-26.72	Peak	160.00	100	Vertical	Pass

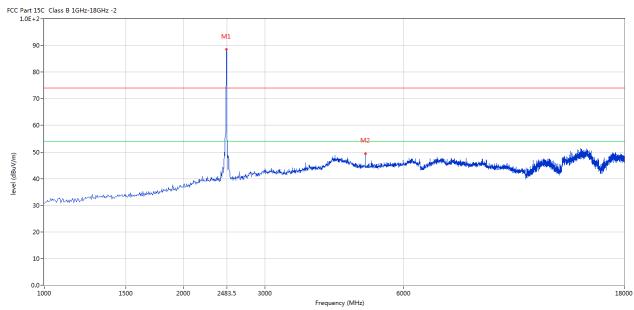
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2479.630	88.48	-3.57	114.0	-25.52	Peak	264.00	100	Horizontal	Pass
2	4960.010	49.31	3.36	74.0	-24.69	Peak	269.00	100	Horizontal	Pass

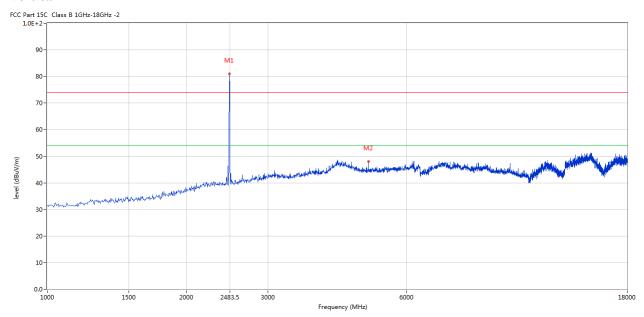
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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2479.630	80.99	-3.57	114.0	-33.01	Peak	39.00	100	Vertical	Pass
2	4960.010	48.07	3.36	74.0	-25.93	Peak	152.00	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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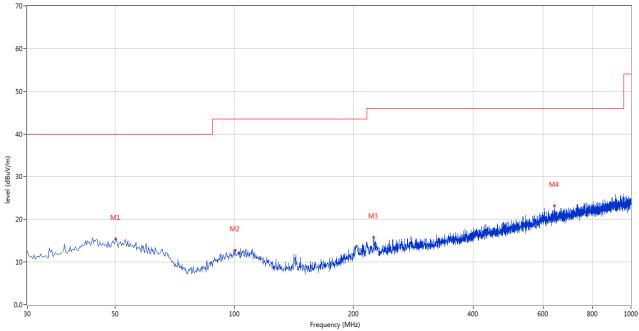
B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

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 (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	50.122	15.39	-11.38	40.0	-24.61	Peak	100.00	100	Horizontal	Pass
2	100.307	12.81	-13.50	43.5	-30.69	Peak	360.00	100	Horizontal	Pass
3	224.436	15.86	-13.00	46.0	-30.14	Peak	34.00	100	Horizontal	Pass
4	640.947	23.19	-4.74	46.0	-22.81	Peak	293.00	100	Horizontal	Pass

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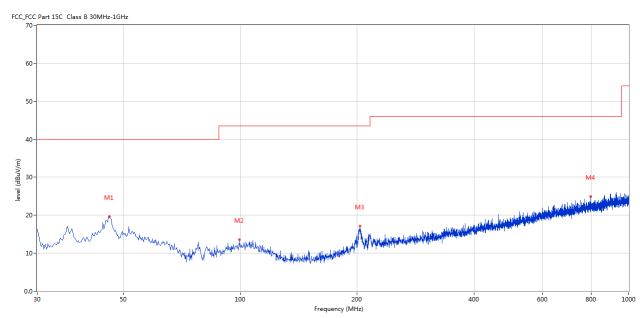


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	46.001	19.59	-11.40	40.0	-20.41	Peak	255.00	100	Vertical	Pass
2	99.580	13.59	-13.60	43.5	-29.91	Peak	60.00	100	Vertical	Pass
3	203.587	17.19	-13.48	43.5	-26.31	Peak	190.00	100	Vertical	Pass
4	798.533	24.91	-3.01	46.0	-21.09	Peak	103.00	100	Vertical	Pass

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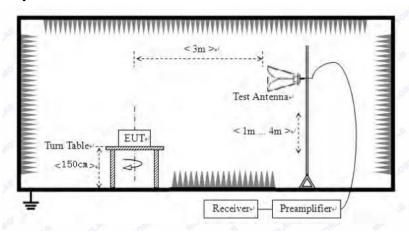


7. Band Edge

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.

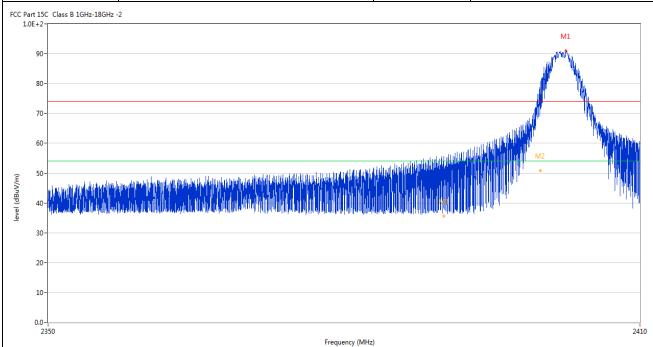
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7.6 Test Result

Product:	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 (o)	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
	2	2399.818	72.30	-3.57	74.0	-1.70	Peak	292.00	100	Horizontal	N/A
	2**	2399.818	50.76	-3.57	54.0	-3.24	AV	292.00	100	Horizontal	Pass
	3	2389.965	51.69	-3.53	74.0	-22.31	Peak	316.00	100	Horizontal	Pass
,	3**	2389.965	35.60	-3.53	54.0	-18.40	AV	316.00	100	Horizontal	Pass

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Product:		luct: GAMING MOUSE				Detect	or	Vertical			
Mode			Keeping Transmitting			Test Vol	tage	DC3.7V			
Ter	nperature			deg. C,		Humid		-			
	st Result:			Pass			-				
Part 15	6C Class B 1GHz-18GHz	: -2				•	•				
90	1-										
80	-								M1		
70								, A			
60								ſ	m _k		
									- 38		
								M2	***\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
50				. 11		ففقوه الكاليان والارادان	M3	M2	171		
		inger namen belt statistic belter by debyt webs	his difference day a defense da a de		deith hall de deithead the all		M3		191		
50	- standard havily they may be	Jamesenskeholes for Leiske deskenische deskenische		antini dhakata maddadh bel	desire by the file of the second second	a kara a kar Bara a kara a	мз	M2	"		
50 40	- Vikinshamphikusithi khayi wan kusim	isamonem dib antisthedydaet nda	la (Marient de adena de la	and so the bear and the bear			M3	- N2	" ["]		
50 40 30		hamana da ka fisikad <mark>a da</mark> faka ada	hadre to the state	and to collect a sandald bei		, akti kalendalah kalendalah Sebesah kenasak akti yang dis		M2	""		
50 40 30 20	- Astronomy to constitute the process, some	iagosagus, leb gai féilige dhe le ghaile	de de Land de altra de la	and in the boltomer delight on		, akaza an di dadah dak da	MS VARIABINATION	-	**************************************		
50 40 30 20		ingungamikh galdskibabydyd abd	ladification of the selfence of the	und see ideale kan and did de fan	Frequency (MH	e en en propiet de la trabét de la trabata de la propiet de la trabata de la propiet	MS	- N2	" ["]	2410	
50 40 30 20	- Astronomy to constitute the process, some	Results	Factor	Limit		z) Detector	M3	Height	ANT	1	
50 40 30 20 10 0.0 2	- which have the proof with the proo				Frequency (MH	1	Table (o)	Height (cm)	ANT	1	
50 40 30 20 10 0.0 2	Frequency	Results	Factor	Limit	Frequency (MH	1	Table (o)	_	ANT Vertical	2410 Verdic Pass	
50 40 30 20 10 0.0 2	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MH Over Limit (dB)	Detector		(cm)		Verdic	

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Product:			NG MOUS		Polarity			Horizontal		
Mode Keeping Transmi Temperature 24 deg. C,				ıng	Test Volta		DC3.7V 56% RH			
					Humidi	ity				
Test Result:										
Part 15C Class B 1GHz-1: 1.0E+2- 90- 80-	JHZ - 2	A Part of the Part	land of the	Maket .						
50 - 40 - 30 -				M2					at autproperty Lithouthoutsh	
50 - 40 -				2483.5 Frequency (MH:	2		interneptioning Library (included),		2500	
50 - 40 - 30 - 20 - 10 -	y Results	Factor	Limit		1	Table (o)	Height	ANT	1	
50 - 40 - 30 - 20 - 10 - 0.0 - 2470	y Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MH:	1	Table (o)	Height (cm)	ANT	2500	
50- 40- 30- 20- 10- 0.0- 2470				Over Limit	Detector	Table (o)		ANT	1	

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F	Product:		GAMI	NG MOUS	Е	Detector			Vertical			
	Mode		Keeping	g Transmitti	ng	Test Vol	est Voltage DC3.7V					
Teı	Temperature 24 deg. C,					Humidity			56% RH			
Te	st Result:			Pass								
2C Part 1: 1.0E+2 90 80)-	-2		Som Miller	M.							
500 500 400 300 300 100 100 100 100 100 100 100 1					• 1111111111111111111111111111111111111							
(E) 500 (A)					2483.5 Frequency (MH	z)				2500		
30 20		Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)		Detector	Table (o)	Height (cm)	ANT	2500 Verdict		
30 30 10	Frequency				Over Limit	T		Height		1		

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

2. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

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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. The antenna gain is -0.58dBi Max. It fulfills the requirement of this section. Test Result: Pass

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Product:	GAM	ING MOU	SE		Test Mode:		Keep tran	smitting		
Mode	Keepir	ng Transmit	ting		Test Voltage		DC3.7V			
Temperature	2	24 deg. C,			Humidity		56%			
Test Result:		Pass			Detector	PK				
20dB Bandwidth	2	.826MHz								
Ref Lvl 0 dBm	ndB	1 [T1 nd 20.0	0 dB	RBI VBI SW'	W 300 ki	Ηz	? Att	10 dB	n	
-10			1		1 1	[T1]	-16 2.40198 20	.60 dBm	ı Z	
-30		Ar	<u></u>		▼ _{T1}	[T1]	-36 2.40058 -37 2.40341	.68 dBm 717 GHz .34 dBm 283 GHz	0 -	
-40					12				11	
-50	W W	,			\ \frac{\psi}{2}		M			
-60	V						my	<u>~~~\</u> \		
-70										
-80										
-90										
-100 Center 2.40			1 MHz/					10 MHz	J	

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Product:	GAMING MOUSE					Test Mode:			Keep transmitting		
Mode	Keeping Transmitting 24 deg. C,					Test Voltage Humidity			DC3.7V 56% RH		
Temperature											
Test Result:		Pass					Detector]	PK	
0dB Bandwidth		2.	.986MHz								
<u></u>		Marker 1 [T1 ndB]					100 k	Hz I	RF Att	10 dB	
Ref Lvl		ndB	20.	.00 dB	V	BW	300 k	Hz			
0 dBm		BW 2	2.985971	L94 MHz	S	WT	5 m	s i	Unit	dBm	ı
0							v ₁	[T1]	-1	7.55 dBm	
									2.44098	998 GHz	A
-10							ndB	}	20	0.00 dB	
				7			BW		2.98597		
-20				\wedge	M		$ abla_{\mathrm{T1}}$	[T1]	-3"	7.76 dBm	l
				J W		$^{\lambda}$	$ riangledown_{ ext{T2}}$	T1]	2.43946	693 GHz 7.45 dBm	
-30				~	l	<u> </u>	1 4	, [11]	2.44245	291 GHz	
1MAX			TA				~~ 				1MA
-40			ممر					~			
-50	^								Vm		
-60	M									~~~~	
-70											
-80											
-90											
-100											
Center 2	.441 G	Hz		1 M	Hz/				Spar	ı 10 MHz	

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Product:	GAM	Γ	Test Mode:		Keep transmitting				
Mode	Keepin	T	Test Voltage		DC3.7V				
Temperature	24 deg. C, Pass 2.966MHz				Humidity		56% RH		
Test Result:					Detector]	PK	
20dB Bandwidth									
	Marker	1 [T1 r	ndB]	RBW	100 kH	Iz RI	7 Att	10 dB	
Ref Lvl	ndB	20.	.00 dB	VBW	300 kH	[z			
0 dBm	BW 2	2.965931	L86 MHz	SWT	5 ms	. Ur	nit	dBm	L
0					v ₁	[T1]	-17	.86 dBm	
							2.47996	994 GHz	A
-10					ndB		20	.00 dB	
			1		BW		2.96593	186 MHz	
-20			A 1	\ <u>.</u> /	∇_{T}	[T1]	-38	.63 dBm	
				\ \ \ .	~		2.47848	697 GHz	
-30			~\\\\	$\backslash \Lambda$	$ abla_{\mathrm{T2}}$	[T1]	-38	.83 dBm	
1MAX		T/L		(V 12		2.48145	291 GHZ	1MA
-40		~ / ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~				r1.			
-50	n been all					<u> </u>	امما		
-60								~~·	
								· ··········	
-70									
-80									
-90									
-100									
Center 2.4	8 GHz		1 M	Hz/			Span	10 MHz	

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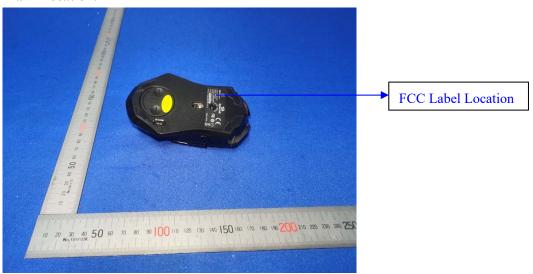


10.0 FCC ID Label

FCC ID: TUVDS-2876

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:



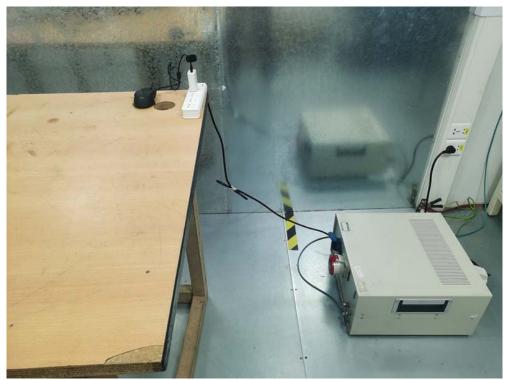
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11.0 Photo of testing

11.1 Conducted test View--



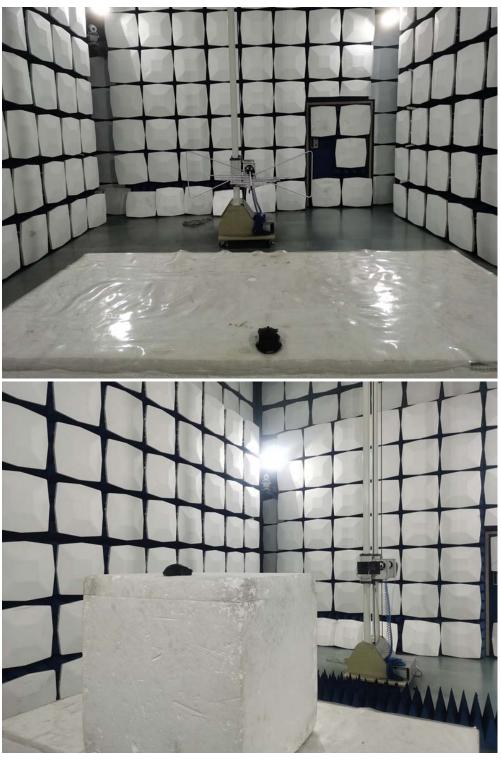
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Radiated emission test view



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11.2 Photographs – EUT

Outside View



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Photographs - EUT

Outside View





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Outside View



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Inside view



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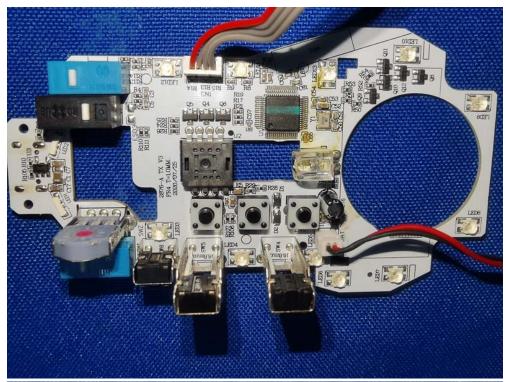
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Inside view





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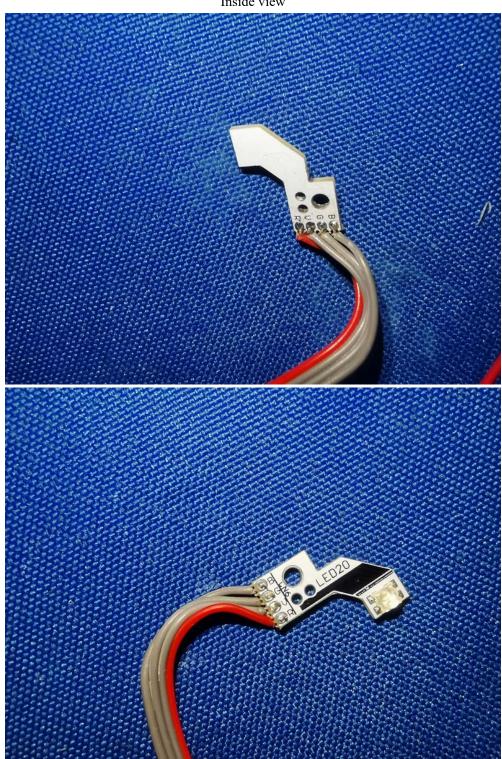
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Inside view



-- End of the report--

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