

Report No.: TW2409108-02E

Applicant: Eastern Times Technology Co., Ltd

Product: WIRELESS GAMING MOUSE WITH HYPER FAST SCROLL WHEEL

Model No.: M813RGB-PRO, DS-2969

Trademark: REDRAGON

Test Standards: FCC Part 15.249

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

Test result:

Terry long

Terry Tang

Manager

Dated:

September 14, 2024

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

SHENZHEN TIMEWAY TESTING LABORATORIES

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



Special Statement:

FCC-Registration No.: 744189

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

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

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

A2LA (Certification Number:5013.01)

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

CAB identifier: CN0033

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1.0 General Details

1.1 Test Lab Details

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

1.3 Description of EUT

Description of LOT	
Product:	WIRELESS GAMING MOUSE WITH HYPER FAST SCROLL WHEEL
Manufacturer:	Eastern Times Technology Co., Ltd
Address:	Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town,
	Dongguan City, Guangdong, China.
Trademark:	REDRAGON
Additional Trademark:	N/A
Model Number:	M813RGB-PRO
Additional Model Name	DS-2969
Hardware Version:	2969 TX V1
Software Version:	d13b377c
Serial No.:	RDM813RGB-PRO23123000951
Rating:	Input: DC5V, 320mA or DC3.7V, 75mA
Battery:	DC3.7V, 1000mAh Li-ion battery
Modulation Type:	GFSK
Operation Frequency:	2402-2480MHz
Channel Separate:	1MHz
Channel Number:	79
Antenna Designation	PCB antenna with gain -2.39dBi Max (Get from the antenna specification)

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- 1.4 Submitted Sample: 2 Samples
- 1.5 Test Duration 2024-09-10 to 2024-09-14
- 1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB Radiated Emissions below 1GHz Uncertainty =4.7dB Radiated Emissions above 1GHz Uncertainty =6.0dB Conducted Power Uncertainty =6.0dB Occupied Channel Bandwidth Uncertainty =5% Conducted Emissions Uncertainty =3.6dB Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

Andy - Xing

The sample tested by

Print Name: 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	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100253	2024-07-12	2025-07-11
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2024-07-12	2025-07-11
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2024-07-12	2025-07-11
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	2025-07-17
Power meter	Anritsu	ML2487A	6K00003613	2024-07-12	2025-07-11
Power sensor	Anritsu	MA2491A	32263	2024-07-12	2025-07-11
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	2024-07-12	2025-07-11
EMI Test Receiver	RS	ESCS 30	834115/006	2024-07-12	2025-07-11
Spectrum	HP/Agilent	E4407B	MY50441392	2024-07-12	2025-07-11
Spectrum	RS	FSP	1164.4391.38	2024-07-12	2025-07-11
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2024-07-12	2025-07-11
RF Cable	Zhengdi	7m		2024-07-12	2025-07-11
Pre-Amplifier	Schwarebeck	BBV9743	#218	2024-07-12	2025-07-11
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2024-07-12	2025-07-11
LISN	SCHAFFNER	NNB42	00012	2024-07-12	2025-07-11
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11

2.2 Automation Test Software

For Conducted Emission Test

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

For Radiated Emissions

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

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The EUT has been tested according to the following specifications:

3.0 Technical Details

3.1 Summary of test results

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

3.2 Test Standards

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

4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

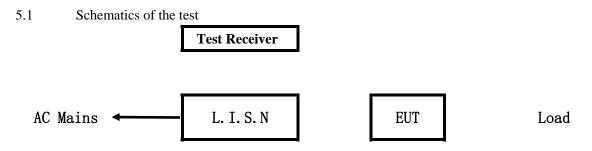
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5. Power Line Conducted Emission Test



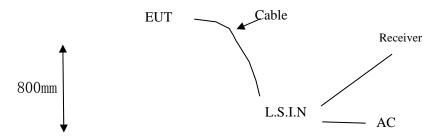
EUT: Equipment Under Test

5.2 Test Method and test Procedure

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

Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below. 79 channels are provided to the EUT

Device	Manufacturer	Model	FCC ID	
WIRELESS GAMING	Eastern Times Technology Co., Ltd			
MOUSE WITH HYPER FAST		M813RGB-PRO, DS-2969	TUVDS-2969A	
SCROLL WHEEL				

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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

ĺ		T : :/ /1	
	Frequency	Limits (d	IB μ V)
	(MHz)	Quasi-peak Level	Average Level
	$0.15~\sim~0.50$	66.0~56.0*	56.0~46.0*
	$0.50~\sim~5.00$	56.0	46.0
	$5.00~\sim~30.00$	60.0	50.0

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

2. The tighter limit shall apply at the transition frequencies

5.6 Test Results:

Pass

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A: Conducted Emission on Live Terminal (150kHz to 30MHz) **EUT Operating Environment** Humidity: 65%RH Atmospheric Pressure: 101 kPa Temperature: 25℃ EUT set Condition: Charging and Communication by BT **Results: Pass** Please refer to following diagram for individual dBu¥ 80.0 70 FCC Part15 CE-Class B_QP 60 FCC Part15 CE-Class B AVe 50 40 30 peal 20 ۵VG 10 n -10 -20 0 150 (MHz) 30.000 Frequency Reading Factor Limit Level Margin Detector P/F No. (MHz) (dBuV) (dB) (dBuV) (dBuV) (dB)0.2943 9.76 -21.72 QP Ρ 1 28.92 38.68 60.40 2 0.2943 28.70 9.76 38.46 50.40 -11.94 AVG Ρ 0.7779 3 17.56 9.78 27.34 56.00 -28.66 QP Ρ 17.72 4 0.7779 7.94 9.78 46.00 -28.28 AVG Ρ Ρ 5 2.1039 15.58 9.80 25.38 56.00 -30.62 QP 6 2.1039 2.05 9.80 11.85 46.00 -34.15 AVG Ρ Ρ

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8.0543

8.0543

4.88

-1.33

10.06

10.06

14.94

8.73

60.00

50.00

-45.06

-41.27

QP

AVG

Ρ

7

8

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B: Conducted Emission on Neutral Terminal (150kHz to 30MHz) **EUT Operating Environment** Atmospheric Pressure: 101 kPa Temperature: 25℃ Humidity: 65%RH EUT set Condition: Charging and Communication by BT **Results: Pass** Please refer to following diagram for individual dBu¥ 80.0 70 FCC Part15 CE-Class B_QP 60 FCC Part15 CE-Class B AV 50 40 30 peal 20 AVG 10 п -10 -20 (MHz) 0 150 30.000 Frequency Reading Factor Level Limit Margin Detector P/F No. (MHz) (dBuV) (dB) (dBuV) (dBuV) (dB) 0.2943 28.80 9.76 38.56 60.40 -21.84 QP Ρ 1 2 0.2943 Ρ 28.50 9.76 38.26 50.40 -12.14 AVG Ρ 3 0.8247 14.21 9.78 23.99 56.00 -32.01 QP 0.8247 3.43 9.78 13.21 Ρ 4 46.00 -32.79 AVG 5 1.9986 17.31 9.80 27.11 56.00 -28.89 QP Ρ 6 2.99 12.79 Ρ 1.9986 9.80 46.00 -33.21 AVG 7 Ρ 5.6559 7.67 9.96 17.63 60.00 -42.37 QP

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-2.10

9.96

7.86

50.00

-42.14

AVG

Ρ

5.6559

8

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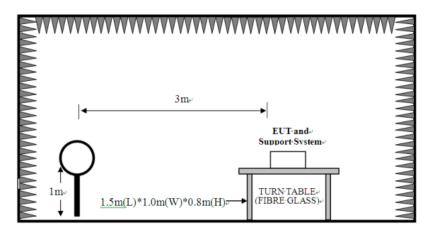


6 Radiated Emission Test

- 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

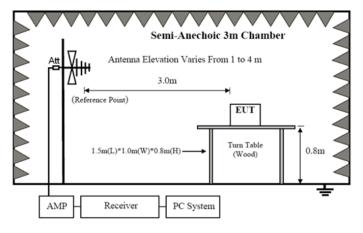


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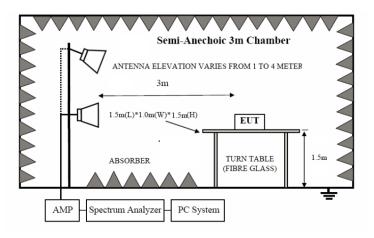
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For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



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

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6.4 Radiated Emission Limit

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Battery full charged during tests.

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Horizontal

Horizontal

Pass

Pass

6.5 **Test result**

Α **Fundamental & Harmonics Radiated Emission Data**

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

Horizontal

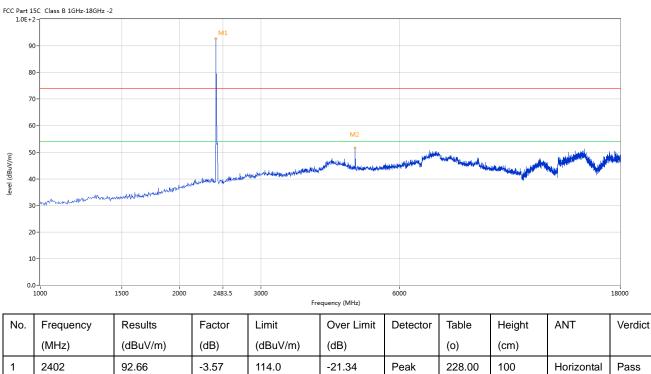
2

4802.799

51.69

3.12

74.0



-22.31

Peak

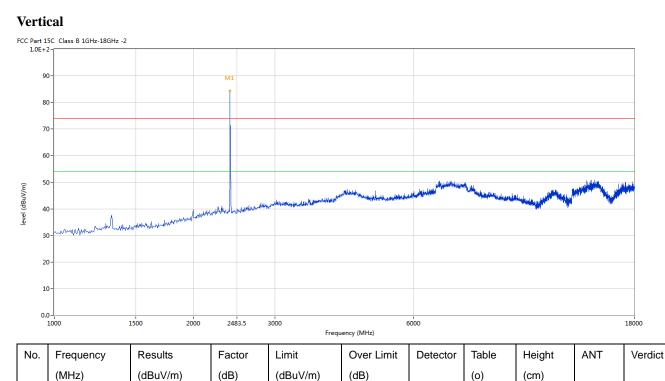
233.00

100

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194.00

100

Vertical

Pass

Peak

The report refers only to the sample tested and does not apply to the bul	The report refers	only to the sampl	e tested and does r	not apply to the bulk.
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84.37

-3.57

114.0

-29.63

2402

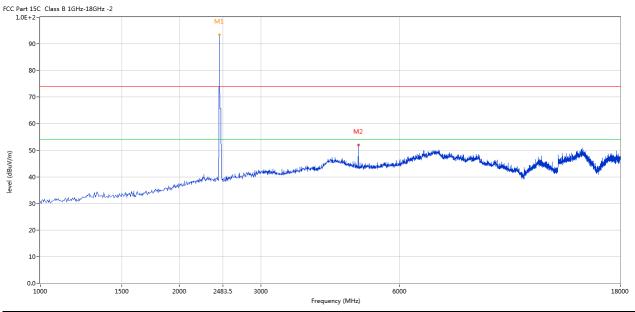
1

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

Horizontal

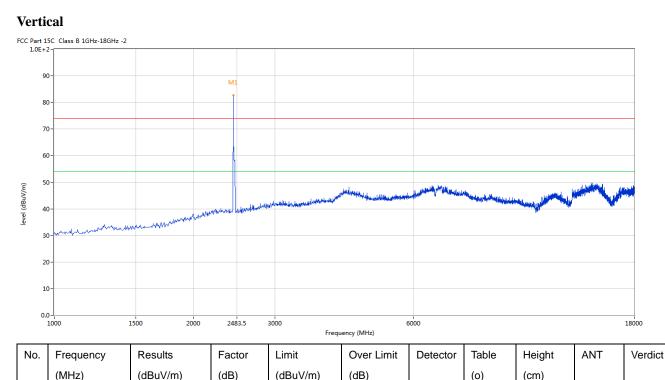


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	93.34	-3.57	114.0	-20.66	Peak	275.00	100	Horizontal	Pass
2	4879.280	52.03	3.20	74.0	-21.97	Peak	75.00	100	Horizontal	Pass

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-31.25

226.00

100

Vertical

Pass

Peak

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82.75

-3.57

114.0

2441

1

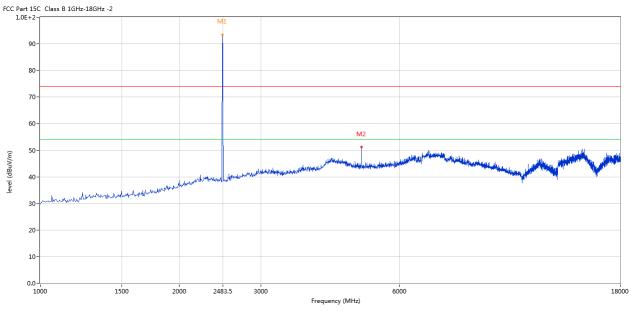
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal

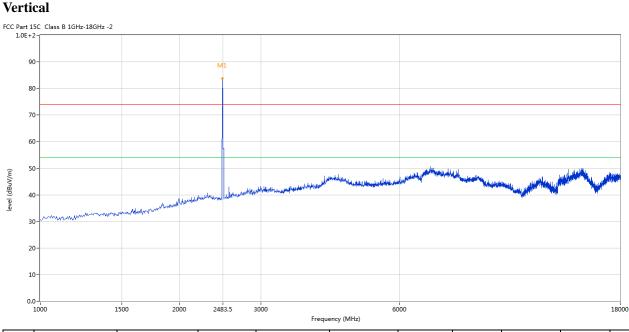


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	93.42	-3.57	114.0	-20.58	Peak	75.00	100	Horizontal	Pass
2	4960.010	51.18	3.36	74.0	-22.82	Peak	79.00	100	Horizontal	Pass

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٨	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	I	2480	83.86	-3.57	114.0	-30.14	Peak	0.00	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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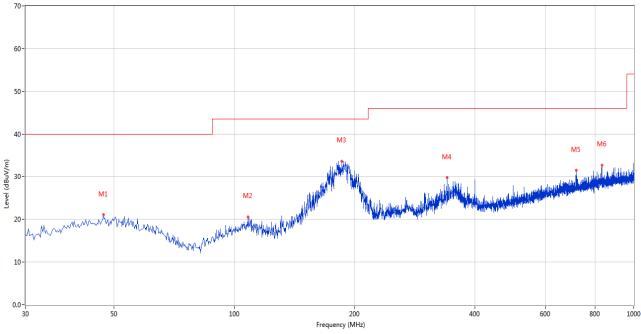
B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

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	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	46.971	21.03	-11.45	40.0	18.97	Peak	44.00	100	Horizontal	Pass
2	108.065	20.59	-13.42	43.5	22.91	Peak	257.00	100	Horizontal	Pass
3	185.889	33.68	-14.80	43.5	9.82	Peak	257.00	100	Horizontal	Pass
4	340.565	29.73	-9.78	46.0	16.27	Peak	172.00	100	Horizontal	Pass
5	718.285	31.45	-3.92	46.0	14.55	Peak	264.00	100	Horizontal	Pass
6	831.990	32.67	-2.91	46.0	13.33	Peak	37.00	100	Horizontal	Pass

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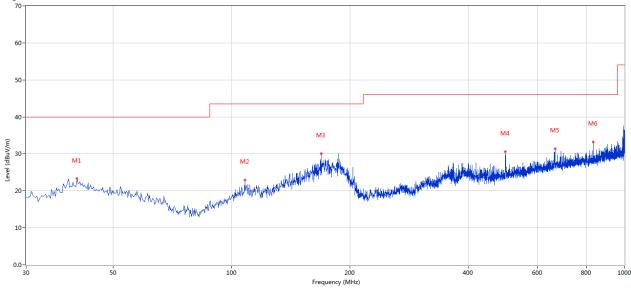
Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual

FCC_FCC Part 15C Class B 30MHz-1GHz



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	40.425	23.27	-12.27	40.0	16.73	Peak	292.00	100	Vertical	Pass
2	108.065	22.89	-13.42	43.5	20.61	Peak	69.00	100	Vertical	Pass
3	169.160	30.07	-16.10	43.5	13.43	Peak	267.00	100	Vertical	Pass
4	497.666	30.60	-7.12	46.0	15.40	Peak	0.00	100	Vertical	Pass
5	665.191	31.38	-4.44	46.0	14.62	Peak	0.00	100	Vertical	Pass
6	833.202	33.22	-2.84	46.0	12.78	Peak	151.00	100	Vertical	Pass

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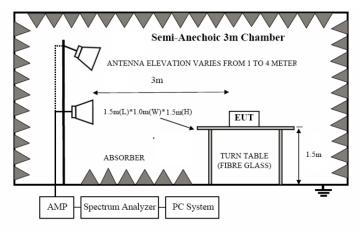


7. Band Edge

7.1 Test Method and test Procedure:

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

7.2 Radiated Test Setup



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

7.3 Configuration of the EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least

50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

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7.6 Test Result

]	Product:			NG MOUSE ST SCROLL L		larity		Ho	rizontal	
	Mode	Kee	eping Trans	smitting	Test	Voltage		D	C3.7V	
Te	emperature		24 deg. (C,	Hu	midity		56	5% RH	
Te	est Result:		Pass							
C Part : 1.0E+	15C Class B 1GHz-18GHz	-2								
8 7	90						M2	M1	N.	
	20-	y ise goladestanya disebalkila mesiak	umermendelskabaskassassas	s-rentitiontypetal on method subsection	M3 Manunay arout and an inat	awirada da birda da b	August .			N A CONTRACTOR
	10- ************************************	n i s septim latter protoch i filljanna tudi	neren an de leter bande de le de le	bryani kilonije Peleonansi je u Kunise ku		a	and the second s			Herroldes
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1 sevel (abuv/m	40	y telepoliulastery viewbildures tiek	newer werde beide state state and the			aorodarakiniskiskiskuri hjer				2410
1 sevel (abuv/m	40	Results	Factor		Alannering der sin her	Detector	Table	Height	ANT	2410
1 contraction (1980/1/1/1/1990)	40				Frequency (MHz)	Detector	Table (o)	Height (cm)	ANT	
1 contraction (1980/1/1/1/1990)	10	Results	Factor	Limit	Frequency (MHz)	Detector			ANT	
u/(ngp) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	40- 	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)		(o)	(cm)		Verdio
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10- 10- 10- 2370 Frequency (MHz) 2401.742	Results (dBuV/m) 92.21	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Frequency (MHz) Over Limit (dB) 18.21	Peak	(o) 99.00	(cm) 100	Horizontal	Verdic N/A

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]	Product:			NG MOUSE ST SCROLL L	Det	tector		Vert	ical	
	Mode	Kee	ping Trans		Test	Voltage		DC3	8.7V	
Te	mperature		24 deg. (-		nidity		56%	RH	
	est Result:		Pass					-	-	
C Part 1 1.0E+	15C Class B 1GHz-18GHz -	-2								
8	30						/			
(iu / 5 (iu / / 10 3 2 1 0.	50	nt til som haf stor for an som skal til som for skal star star for	<u>88,44,45,55,859,859,659</u>	htte Partition and Andrea	M3 (, Min- Wilson Judian duency (MHz)	louluiterin öhde	• • • • • • • • • • • • • • • • • • •		M monutes	2410
(iu / 5 (iu / / 10 3 2 1 0.	50 - 	Results	Factor	۲re Limit	rd, taiw-inikasa den kasar	Detector	Table	Height	ANT	2410
(W/ANGO) 1000 1000 1000 1000 0.	50 - 	Results (dBuV/m)	Factor (dB)		quency (MHz)	Detector	with a	Height (cm)		2410
(W/ANGO) 1000 1000 1000 1000 0.	50 - 10 - 10 - 10 - 10 - 10 - 10 - 2370 Frequency			Limit	quency (MHz) Over Limit	Detector	Table	•		2410
1 No.	50	(dBuV/m)	(dB)	Limit (dBuV/m)	quency (MHz) Over Limit (dB)		Table (o)	(cm)	ANT	2410 Verdic
(Wuhner) 4 3 2 1 0. No.	50 - 10 - 10 - 10 - 10 - 10 - 2370 Frequency (MHz) 2401.742	(dBuV/m) 83.46	(dB) -3.57	Limit (dBuV/m) 74.0	quency (MHz) Over Limit (dB) 9.46	Peak	Table (o) 225.00	(cm) 100	ANT Vertical	2410 Verdic N/A

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]	Product:			IG MOUSE W ROLL WHEE		Polarity		H	orizontal	
	Mode			ansmitting		est Voltag	e	Ι	DC3.7V	
Те	emperature		24 deg			Humidity		5	6% RH	
	est Result:		Pas							
CC Part 1	15C Class B 1GHz-18GHz	-2								
1.0E+	+2-		M1							
g	90-		1 mar							
8	80-									
7	70-		1							
6	50 -	J.	V							
		de la companya de la		U. .						
- 5	50-			N.	N					
(m//m)	50-			M2						
level (dbuV/m)	50- 40- <mark>6 (4, 1) day julate joe wywiedd</mark>	a the second string and a second string		M2	and a set of the second second second	llann fighte o three lines and the basis	ni hija anda naka kata kata	hijishuli (hilisethurosling	niteration that the phone is the real or such	Lakedonia
level (dBuV/m		an state of the st		M2	Mar and the second second	llans hijder of trap hay red hered	alaysada da <mark>i</mark> seta ka	higheathaaristadoocerations	nthanthanthadhaddanistathar raibe an d	lahjaforijini
level (dBuV/m 5	40 - <mark>6 (a. d. day) (dettal an anjer telek</mark> 30 -	and the second		M2 •	A Company	llan ishurtiya kara katika	alaysada alaysada kasa	hijankus (h. jartus, pijas	adhandaadhadhadaaniastaharrodu yadh	inde for starte
level (dBuV/m 5	10-listeringislastation of the states	an second and the sec		M2	And the second	line isteration in the solution	n a sea an	teftenten fri dite stran och inst	aturatust latigati ng katuratu yak	inişi deşiştere
level (dBuV/m 2	40 - <mark>6 (a. d. day) (dettal an anjer telek</mark> 30 -	a second and a second		M2 •		llan istoral and the	Velogensky og forselser	hilaskusi (j. davetus miser	aðandagað læð þýgg ánigstaðar veðar veðar sað	1.0000 000000
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4 (dpn/) ۱ ۱ 0	40 - <mark>1 March Anny Statistics of Hermony H Hermony Hermony H</mark>			2483.5	requency (MHz)	Nan Hiterstragelingenskolvisi	With provide the state of the	hadanakan (finikan kan (finikan)	aðandagað læð þýgð nágða læga kennaður sað	2500
4 (dBuV/) 3 2 2 1	40 - <mark>1. J., J. J., J. </mark>	Results	Factor	2483.5		Detector	Table	Height	ANT	2500
4 (۹۵۳۸/۱۳ 2 2 1 0	40 - but data and bata and ba		Factor (dB)	¢ 2483.5 Fr	requency (MHz)					2500
4 (۹۵۳۸/۱۳ 2 2 1 0	10 - 114 (14) (14) (14) (14) (14) (14) (14)	Results		2483.5 Fr Limit	requency (MHz) Over		Table	Height		2500
u/nngp) 4 3 2 1 0 No.	40 - 14 (14) (14) (14) (14) (14) (14) (14) (Results (dBuV/m)	(dB)	2483.5 Fr Limit (dBuV/m)	requency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	2500 Verdic

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]	Product:			G MOUSE WITH ROLL WHEEL	Detect	tor		Ver	tical	
	Mode	Ke	eping Trar	nsmitting	Test Vol	tage		DC	3.7V	
Te	mperature		24 deg.	С,	Humid	ity		56%	6 RH	
Те	est Result:		Pass							
CC Part 1 1.0E+	15C Class B 1GHz-18GHz	-2								
7	10		MI							
للارمم المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع الم الم الم الم الم الم الم الم الم الم	50 - 	utere som set and the	μ β		efective and the second	ขึ้งมีในระโอสมมาตรณ์ปูลเหมื	iladiyyay angkan bersiyan d	d, Alexis, spece, it investi	adaranti kana dara ya d	territoradiet
للمرابق المرابع 1 0.	10 - Holonatarlaphydraetarlaphyddia 30 - 20 -	uiteenistasimuntaininnakkul	μ μ	2483.5 Frequency (N		นี้ สุริวระสมกรณ์เหลือ 	llaðigar að á star stæði skillar stæði skillar stæði skillar skillar stæði skillar skillar skillar skillar skil	d, ellende spison delperer d	aada.eyeeba.ekebamilisa	2500
لالم العموا (International (International International I	10 - Hote and a first sector of the sector o	Results	Factor	2483.5 Frequency (N	/Hz)		Table	Height	ANT	
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W/Ango 4 3 2 1	10 - Hits Hadred	Results		2483.5 Frequency (N Limit Ove	^{//Hz)} ir Limit Det	ector (Table	Height		2500

Note: 1. 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 -2.39dBi maximum. It fulfills the requirement of this section. Test Result: Pass

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D	WIRELE	SS GAMING MOU			
Product:	HYPE	R FAST SCROLL V	Test Mode:	Keep transmitting	
Mode	I	Keeping Transmittin	Test Voltage	DC3.7V	
Temperature		24 deg. C,	Humidity	56% RH	
Test Result:		Pass	Detector	РК	
20dB Bandwidth	1	1.346MHz			
Ref 10	dBm	*Att 20 dB	kHz ms	a l [T1] -0.25 dB 1.346153846 MHz	
10 -0			2		r 1 [T1] -19.07 dBm 2.401274038 GHz A r 2 [T1] 0.08 dBm
MAXH10	1 1 - 19 92 dBm		hn		2.402033654 GHz
40					308
-90					
Center 2	2.402 GHz	300) kHz/	· · ·	Span 3 MHz

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adopt any other remedies which may be appropriate.





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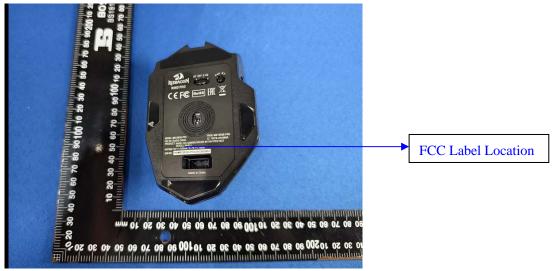
10.0 FCC ID Label

FCC ID: TUVDS-2969A

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

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:



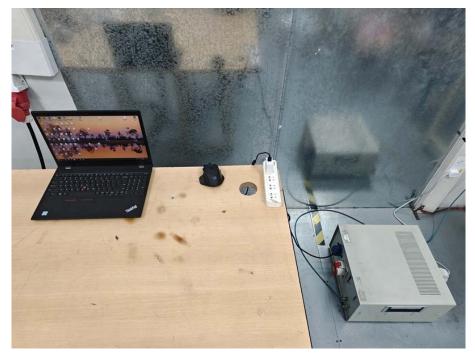
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11.0 Photo of testing

11.1 Conducted test View--



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Radiated emission test view



Photographs – EUT

Please refer test report TW2409108-01E

--End of the report--

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