



Report No.: TW2202104E File reference No.: 2022-03-09

Applicant: Eastern Times Technology Co.,Ltd

Product: WIRELESS GAMING MOUSE

Model No.: M655-KS, DS-2741

Trademark: REDRAGON

Test Standards: FCC Part 15.249

Test result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.10 & FCC Part 15 Subpart C,

Paragraph 15.249 regulations for the evaluation of

electromagnetic compatibility

Approved By

Terry long

**Terry Tang** 

Manager

Dated: March 09, 2022

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

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## Test Report Conclusion

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11.0

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Photo of Test Setup and EUT View.

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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: WIRELESS 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: M655-KS
Additional Model Name DS-2741

Rating: DC3.0V, 3.8mA

Battery DC3.0V (2pc 1.5V AA battery)

Modulation Type: GFSK

Operation Frequency: 2405-2475MHz

Channel Number: 16

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

2419, 2475, 2453, 2439

Hardware Version: 2741-B V1 Software Version: B7EA.07

Serial No.: RDM655-KS21061500168

Antenna Designation PCB antenna with gain -1.85dBi Max (Declared by the Manufacturer)

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1.4 Submitted Sample: 1 Sample

1.5 Test Duration 2022-02-23 to 2022-03-09

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: 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	2021-06-18	2022-06-17				
LISN	LISN R&S EZH3-Z5		100294	2021-06-18	2022-06-17				
LISN	R&S	EZH3-Z5	100253	2021-06-18	2022-06-17				
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2021-06-18	2022-06-17				
Loop Antenna	EMCO	6507	00078608	2021-06-18	2024-06-17				
Spectrum	R&S	FSIQ26	100292	2021-06-18	2022-06-17				
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2021-07-02	2024-07-01				
Horn Antenna	R&S	BBHA 9120D	9120D-631	2021-07-02	2024-07-01				
Power meter	Power meter Anritsu ML2487A		6K00003613	2021-06-18	2022-06-17				
Power sensor	Power sensor Anritsu MA24		32263	2021-06-18	2022-06-17				
Bilog Antenna	Bilog Antenna Schwarebeck VULB		9163/340	2021-07-02	2024-07-01				
9*6*6 Anechoic			N/A	2021-07-02	2022-07-01				
EMI Test Receiver	RS	ESVB	826156/011 2021-06-1		2022-06-17				
EMI Test Receiver	RS	ESH3	860904/006 2021-06-18		2022-06-17				
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2021-06-18	2022-06-17				
Spectrum	HP/Agilent	E4407B	MY50441392	2021-06-18	2022-06-17				
Spectrum	RS	FSP	1164.4391.38	2022-01-15	2023-01-14				
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2021-06-18	2022-06-17				
RF Cable	Zhengdi	7m		2021-06-18	2022-06-17				
RF Switch	EM	EMSW18	060391	2021-06-18	2022-06-17				
Pre-Amplifier	Schwarebeck	BBV9743	#218	2021-06-18	2022-06-17				
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2021-06-18	2022-06-17				
LISN	SCHAFFNER	NNB42	00012	2022-01-05	2023-01-04				

## 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 15.203	Antenna Requirement	Pass	Complies
FCC Part 15, Paragraph 15.207	Conducted Emission Test	N/A	N/A
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 and RSS-210	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

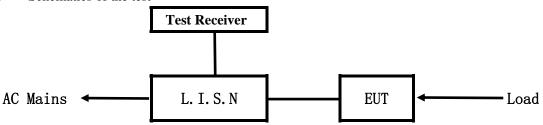
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#### 5. Power Line Conducted Emission Test

#### 5.1 Schematics of the test

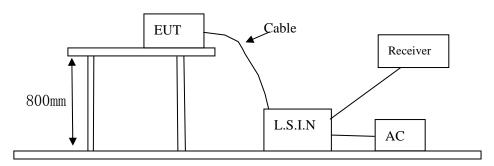


**EUT: Equipment Under Test** 

#### 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.

16 channels are provided to the EUT

#### A. EUT

Device	Device Manufacturer		FCC ID	
WIRELESS GAMING MOUSE	Eastern Times	M655-KS, DS-2741	TUVDS-2741	
	Technology Co.,Ltd	100005-K5, D5-2741	10 103-2/41	

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#### B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

#### C. Peripherals

Device	Manufacturer	Model	Rating
N/A			

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 ~ 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:

N/A

Note: EUT powered by AA battery, this test item not applicable.

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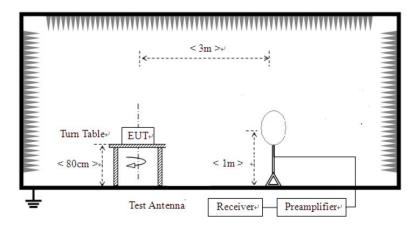


#### **6** Radiated Emission Test

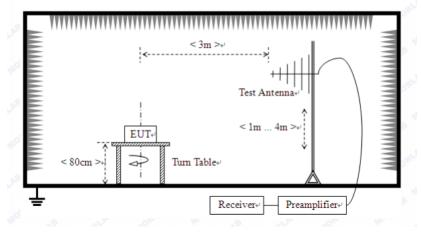
- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size 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=8MHz, 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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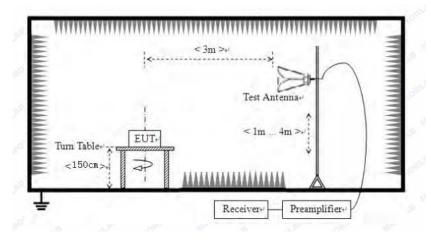
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For radiated emissions above 1GHz



- 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	dBuV/m	
2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)

Note:

- 1. RF Field Strength  $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 2.Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
- 3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

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

		3 1
Frequency Range (MHz)	Distance (m)	Field strength (dB $\mu$ 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. 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. 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.
- 7. New battery was used during tests.

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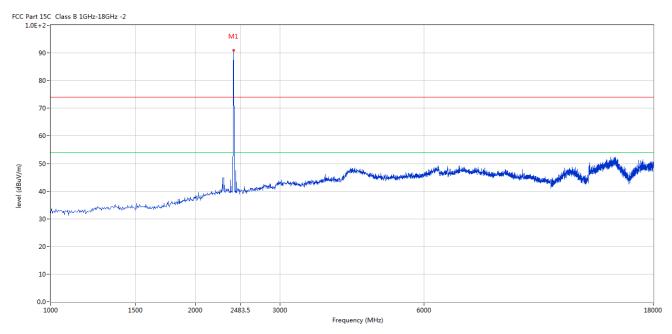


#### 6.5 Test result

## A Fundamental & Harmonics Radiated Emission Data

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

#### Horizontal



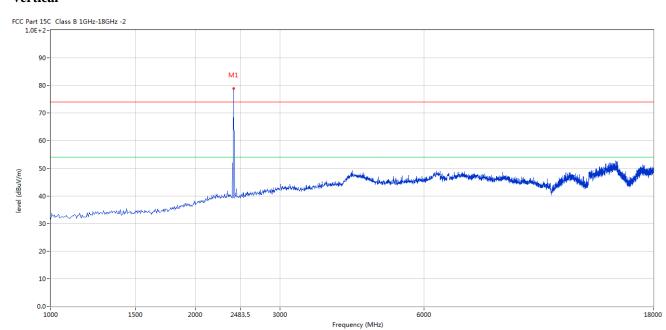
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2405.018	91.02	-3.57	114.0	-22.98	Peak	279.00	100	Horizontal	Pass

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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	2405.018	78.85	-3.57	114.0	-35.15	Peak	218.00	100	Vertical	Pass

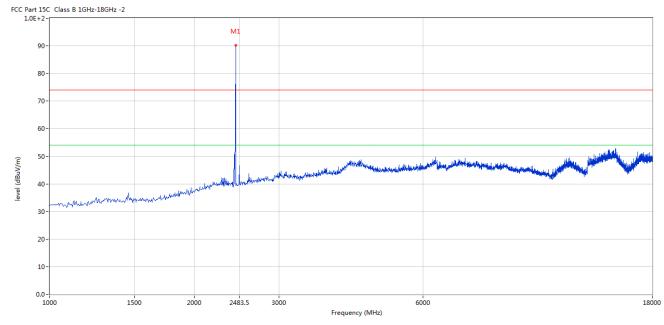
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Please refer to the following test plots for details: Middle Channel-2441MHz

#### **Horizontal**



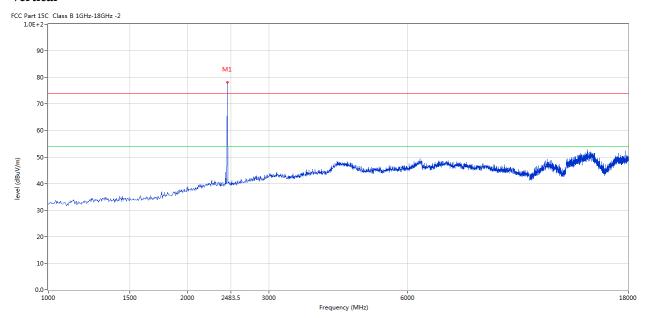
No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2440.988	90.23	-3.57	114.0	-23.77	Peak	136.00	100	Horizontal	Pass

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#### Vertical



No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2440.988	78.13	-3.57	114.0	-35.87	Peak	207.00	100	Vertical	Pass

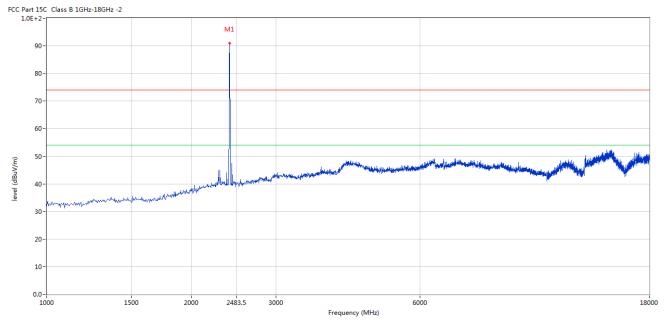
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Please refer to the following test plots for details: High Channel-2475MHz

#### Horizontal



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2474.991	90.63	-3.57	114.0	-23.37	Peak	46.00	100	Horizontal	Pass

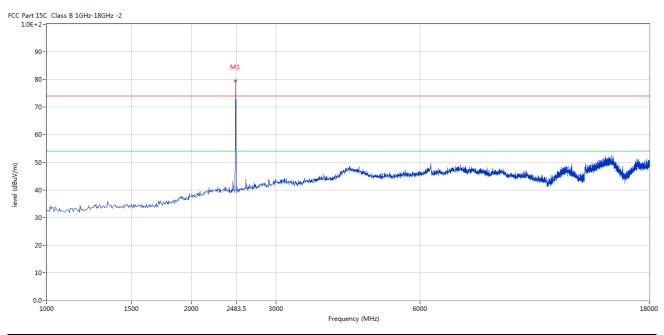
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#### Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2474.991	79.28	-3.57	114.0	-34.72	Peak	224.00	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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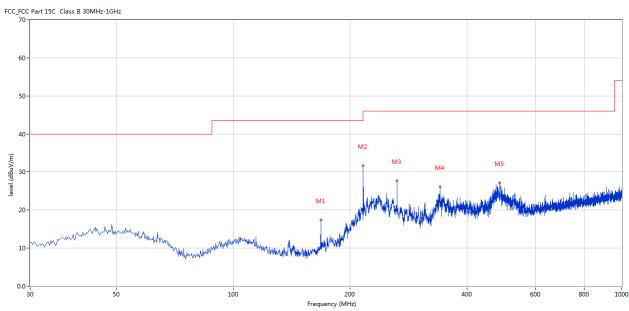


# B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

**Results:** Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	167.948	17.45	-16.14	43.5	-26.05	Peak	286.00	100	Horizontal	Pass
2	215.951	31.58	-13.60	43.5	-11.92	Peak	301.00	100	Horizontal	Pass
3	263.954	27.70	-11.79	46.0	-18.30	Peak	252.00	100	Horizontal	Pass
4	340.322	26.07	-9.79	46.0	-19.93	Peak	229.00	100	Horizontal	Pass
5	485.059	27.22	-7.28	46.0	-18.78	Peak	100.00	100	Horizontal	Pass

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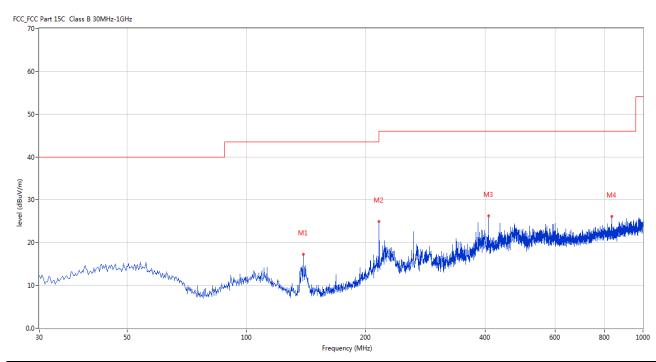


## Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

**Results:** Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	139.098	17.30	-17.21	43.5	-26.20	Peak	342.00	100	Vertical	Pass
2	215.951	24.92	-13.60	43.5	-18.58	Peak	265.00	100	Vertical	Pass
3	407.963	26.18	-8.47	46.0	-19.82	Peak	359.00	100	Vertical	Pass
4	833.444	26.15	-2.82	46.0	-19.85	Peak	220.00	100	Vertical	Pass

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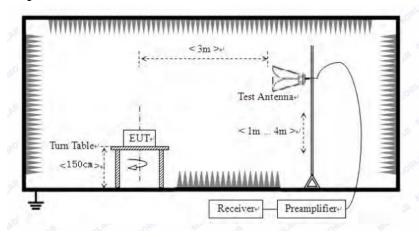


#### 7. Band Edge

#### 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.

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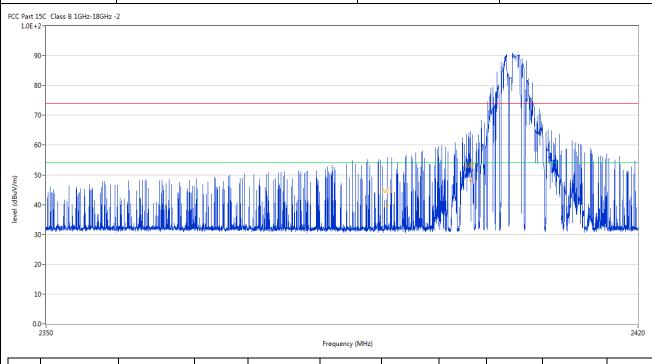
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#### 7.6 Test Result

Product:	WIRELESS GAMING MOUSE	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



No	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2405.024	90.84	-3.57	74.0	16.84	Peak	11.00	100	Horizontal	N/A
2	2400.002	64.53	-3.57	74.0	-9.47	Peak	0.00	100	Horizontal	Pass
2**	2400.002	48.09	-3.57	54.0	-5.91	AV	0.00	100	Horizontal	Pass
3	2390.082	55.69	-3.53	74.0	-18.31	Peak	0.00	100	Horizontal	Pass
3**	2390.082	39.66	-3.53	54.0	-14.34	AV	0.00	100	Horizontal	Pass

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$\mathbf{P}_{1}$	roduct:	WIRE	LESS GAN	MING MOUS	E	Detecto	or	V	/ertical	
]	Mode	K	eeping Tra	nsmitting		Test Volta	age	DC3.0V		
Ten	nperature		24 deg	g. C,		Humidi	ty	5	6% RH	
Tes	st Result:		Pas	S						
FCC Part 150 1.0E+2-	C Class B 1GHz-18GHz -	2			•					
90-										
80-										
							- 1	<del>Influt</del>		_
70-							И,			
60-										
€ 50-						a di t			The s	
60-   60-										
<u>&amp;</u> -08	-									
20-						, , , , , , , , , , , , , , , , , , , ,				
10-	_									
0.0 - 23	350									2420
No.		Results	Factor	Limit	Over Limit	Detector	Table	l la imbt	ANIT	\
INO.	Frequency (MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	Detector		Height (cm)	ANT	Verdic
1	2404.639	78.11	-3.57	74.0	4.11	Peak	(o) 296.00	100	Vertical	N/A
	Z-04.000	70.11	3.31	74.0	7.11			100	vertical	13//
2	2400.072	51.65	-3.57	74.0	-22.35	Peak	360.00	100	Vertical	Pass

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Product:	W	IRELESS	GAMING M	OUSE		Polarity	y	Horizon	tal
Mode		Keeping	g Transmittin	ıg	r	Test Volta	age	DC3.0	V
Temperature		24	l deg. C,			Humidit	ty	56% R	Н
Test Result:			Pass						
2C Part 15C Class B 1GHz-1: 1.0E+2 90 80 70 60 40 30	SHz -2								
10-									
				Frequency (MHz)	2483.5				250
0.0-1.2460	Results	Factor	Limit		Detector	Table	Height	ANT	ı
0.0 - 2460	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz)		Table (o)	Height (cm)	ANT	250 Verdi
10- 0.0- 2460 No. Frequency				Over Limit			_	ANT Horizontal	ı

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]	Product:	V	VIRELESS	GAMING M	OUSE		Detecto	r	Vertica	al		
	Mode		Keepin	g Transmittin	g	Г	Test Volta	nge	DC3.0	V		
Te	mperature		2	4 deg. C,			Humidit	ty	56% R	Н		
Te	est Result:			Pass								
C Part 1 1.0E+	15C Class B 1GHz-18GHz	-2										
9	0-											
8	10-											
7				Maria Allana								
,			. i Wall	1								
	60-											
6												
_	0-											
. 5	l									ı bi		
_	10-											
5	10-											
. 5	10-											
5 4 3 2 1 1	0-											
5: 4: 3: 2: 1:	10-			Freq	2483.5 quency (MHz)					2500		
5: 4: 3: 2: 1:	00-	Results	Factor	Freq		Detector	Table	Height	ANT	1		
5 4 3 2 1	0-2460	Results (dBuV/m)	Factor (dB)	<u> </u>	quency (MHz)	T	Table (o)	Height (cm)	ANT	ı		
5 4 3 2 1	0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0- 0			Limit	Over Limit	T		_	ANT	2500 Verdic		

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. The antenna gain is -1.85dBi Max. It fulfills the requirement of this section. Test Result: Pass

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Product:	WIRELES	S GAMING MOU	SE	T	est Mode:		Keep trai	nsmitting	
Mode		ing Transmitting			est Voltage			3.0V	
Temperature	r	24 deg. C,		+	Humidity			RH	
Test Result:		Pass		+	Detector			K	
OdB Bandwidth		3.467MHz					_	_	
$\triangle$	Marker	1 [T1 ndB]	R	BW	100 kF	Iz Ri	- Att	20 dB	
Ref Lvl	ndB	20.00 dB		BW	300 kF				
10 dBm	BW	3.46693387 MH:	z S	WT	5 ms	s Uı	nit	dBm	ı
10					<b>v</b> <sub>1</sub>	[T1]		1.60 dBm	
			1				2.4050	1002 GHz	A
0		<i>~</i> ~	\	Λ.	ndB		20	0.00 dB	
			~~0	VY	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	[T1]	3.46693		
-10					W. †		2.40350	. 75 dbii	
		T/1			<b>√</b>	(T1)	-1		
-20	_						2.4069	7395 GHz	1M2
IMAX						W			1MZ
-30	odk M								
····						* (	Wy mi	m	
-40 Mm								WW	
-50									
-60									
-70									
-80									
-90									]
Center 2.4	05 GHz	1	MHz/				Spai	n 10 MHz	

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Product:	WIRELESS GAMING MOUSE				Т	est Mode:		Keep transmitting			
Mode	Keeping Transmitting				Te	est Voltage	;	DC3.0V			
Temperature	24 deg. C,				]	Humidity		56% RH			
Test Result:	Pass				Detector			PK			
20dB Bandwidth	3.948MHz										
Ref Lvl	Marker 1 [T1 ndB] ndB 20.00 dB				RBW 100 kHz RF Att 20 VBW 300 kHz				20 dB		
10 dBm	BW	3.94789579 MHz		sv	VТ	5 m		Unit d		ı	
10						<b>v</b> <sub>1</sub>	[T1]	C	.50 dBm	<u> </u>	
			1					2.44098	998 GHz	A	
0			~	\ /	۸.	ndE	8	20	.00 dB		
1.0		~	ر کھی ،	hw	V٣	BW ✓ ∇ <sub>T1</sub>	[T1]	3.94789	579 MHz		
-10	r					W <sub>√</sub>	[T1]	2.43898	597 GHz		
-20	1 les de la company					V	WMWI	2.4 293	387 GHz	1MA	
-30	The bay						- 4 A N	<del>                                      </del>			
-40									MA C		
-50											
-60											
-70											
-80											
-90 Center 2	441 CHR		1 M	Uz /				Cnan	10 MHz		
		:59:17	T M	п2/				span	I IO MHZ		

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Product:	WIRELESS O		Test N	Mode:		Keep transmitting			
Mode	Keeping Transmitting			Test V	oltage	DC3.0V			
Temperature	24 deg. C,			Hum	idity	56% RH			
Test Result:	Pass			Dete	ector	PK			
20dB Bandwidth	4.5		-	-					
Marker 1 [T1 ndB]		RE	RBW 100 kHz RF Att 2				20 dB		
Ref Lvl	ndB 20.00 dB		VE	BW 300 kHz					
10 dBm	BW 4	.58917836 MHz	SW	VΤ	5 ms	Un	it.	dBm	
10					<b>v</b> 1 [	г1]	<b>–</b> 0	.69 dBm	Α
							2.47498	998 GHz	
0			,	0	ndB		20	.00 dB	
			how	\ <u>/</u>	BW Vm1	[T]	4.58917	836 MHz	
-10		m/V		<u> </u>	WY		-20 2.47274	.72 dBiii 549 GHz	
	TA	√			$\nabla_{\mathrm{T}2}$	[T]1]	-20	.10 dBm	
-20	MI						2.47733	467 GHz	
1MAX	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					, M			1MA
-30	<del>/\*\*\*</del>					<del></del> 4	VI.		
ww						ľ	yhung .	A	
-40								~~	
i i								"NA	
-50									
-60									
-70									
_ / 0									
-80									
\(\frac{1}{2}\)	-90 Center 2.475 GHz 1 MHz/ Span 10 MHz								
Date: 5	.MAR.2022 11:0	14.45							

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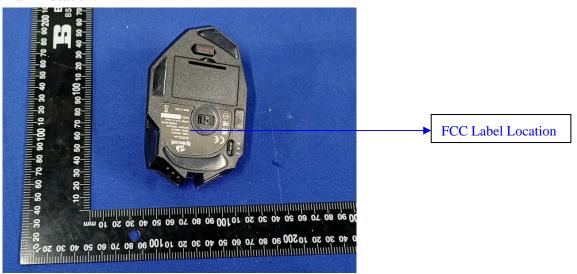


#### 10.0 FCC ID Label

FCC ID: TUVDS-2741

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-N/A

#### 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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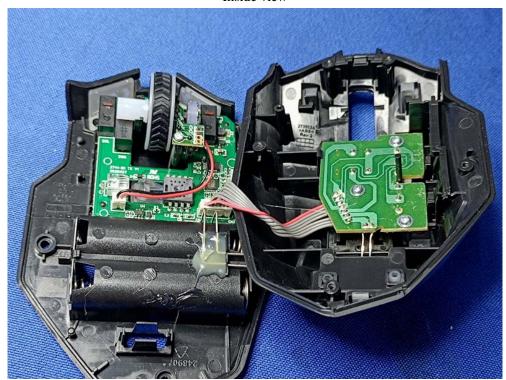
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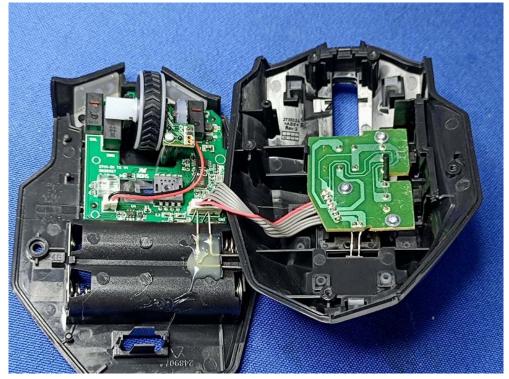
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Inside view





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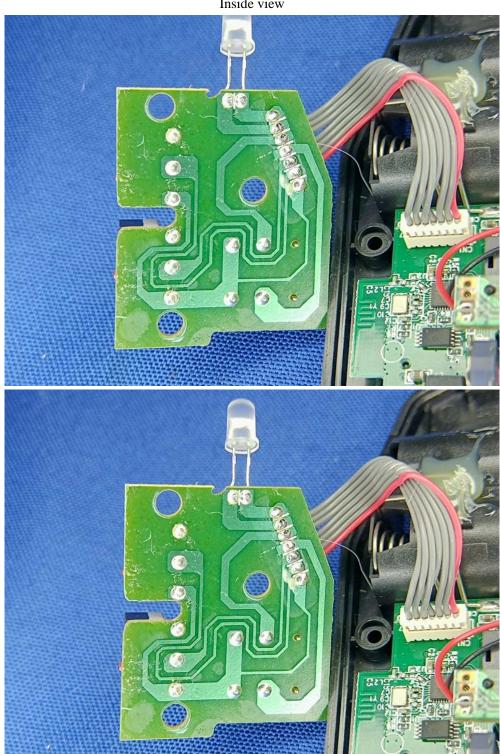
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Inside view



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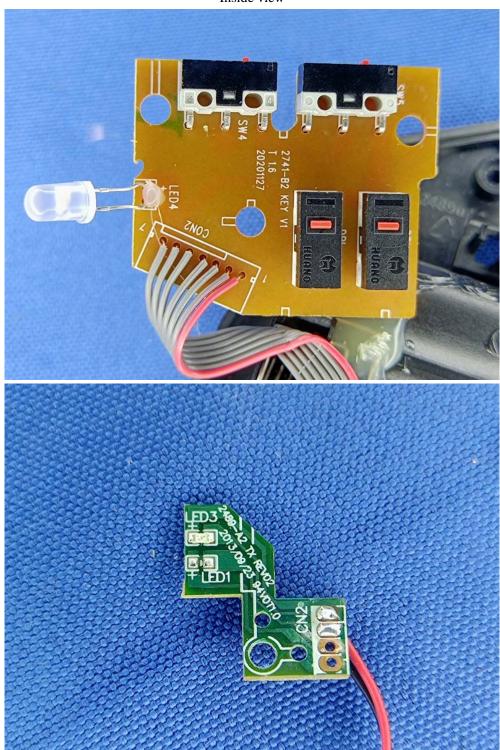
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Inside view



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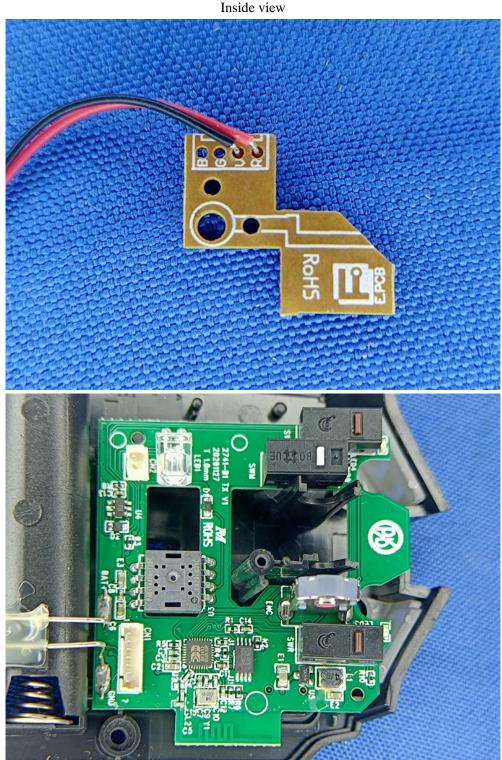
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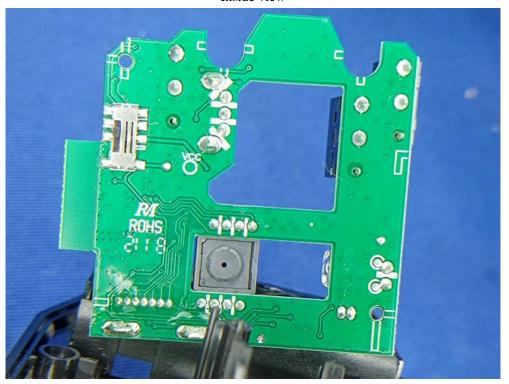
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#### Inside view



-- End of the report--