

Applicant: Eastern Times Technology Co.,Ltd

Product: WIRELESS GAMING MOUSE

Model No.: M914-RGB, M914W-RGB, DS-2876, DS-2975, M910-K,

M910-W, M910-KS, M910-WS

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: August 28, 2023

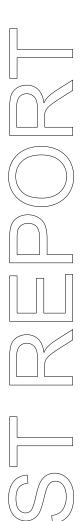
Results appearing herein relate only to the sample tested

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

Date: 2023-08-28



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: 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: M914-RGB

Additional Model Name M914W-RGB, DS-2876, DS-2975, M910-K, M910-W, M910-KS, M910-WS

Rating: Input: DC5V, 220mA or DC3.7V, 92mA

Battery: DC3.7V, 700mAh Li-ion battery

Hardware Version: 2516-Z RX V1

Software Version: 64cd8c8c

Serial No.: RDM914-RGB23080601607

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

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

2023-06-19 to 2023-08-28

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			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		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

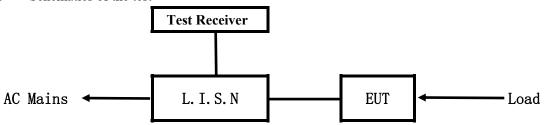
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

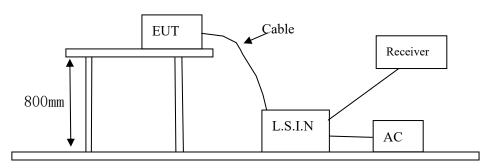


EUT: Equipment Under Test

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
WIRELESS GAMING	Eastern Times Technology	DS-2876, DS-2975,	TUVDS-2876C
MOUSE Co.,Ltd		M910-K, M910-W,	10 VDS-28/6C
		M910-KS, M910-WS	

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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

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:

Date: 2023-08-28



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

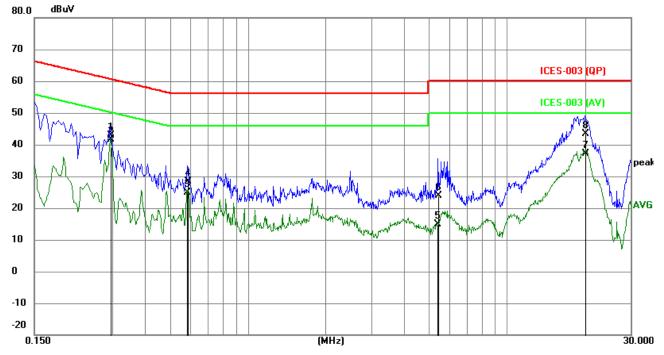
EUT Operating Environment

Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Charging + Communication by BT

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	0.2949	33.04	9.76	42.80	60.39	-17.59	QP	Р
2	0.2949	31.82	9.76	41.58	50.39	-8.81	AVG	Р
3	0.5850	15.12	9.77	24.89	46.00	-21.11	AVG	Р
4	0.5870	18.69	9.77	28.46	56.00	-27.54	QP	Р
5	5.4180	4.97	9.95	14.92	50.00	-35.08	AVG	Р
6	5.4230	13.96	9.95	23.91	60.00	-36.09	QP	Р
7	20.0720	26.53	10.68	37.21	50.00	-12.79	AVG	Р
8	20.0869	32.57	10.69	43.26	60.00	-16.74	QP	Р

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

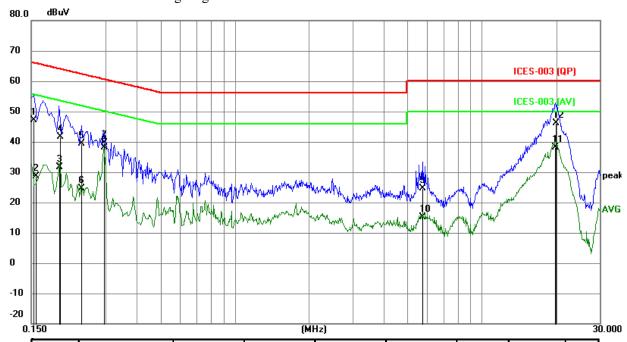
EUT Operating Environment

Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Charging + Communication by BT

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	0.1539	37.24	9.78	47.02	65.79	-18.77	QP	Р
2	0.1560	18.77	9.78	28.55	55.67	-27.12	AVG	П
3	0.1949	21.76	9.75	31.51	53.83	-22.32	AVG	Р
4	0.1960	31.86	9.75	41.61	63.78	-22.17	QP	Р
5	0.2400	29.62	9.75	39.37	62.10	-22.73	QP	Р
6	0.2400	14.85	9.75	24.60	52.10	-27.50	AVG	Р
7	0.2940	29.78	9.76	39.54	60.41	-20.87	QP	Р
8	0.2949	28.35	9.76	38.11	50.39	-12.28	AVG	Л
9	5.7560	14.62	9.96	24.58	60.00	-35.42	QP	Р
10	5.7700	5.15	9.96	15.11	50.00	-34.89	AVG	Ч
11	19.7979	27.55	10.67	38.22	50.00	-11.78	AVG	Р
12	19.8980	35.51	10.67	46.18	60.00	-13.82	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:

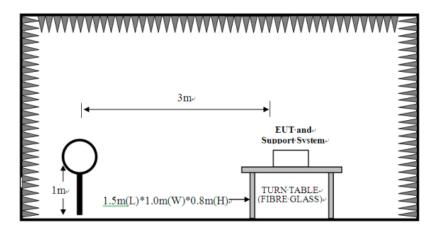
Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
ADOVE IGHZ	Peak	1MHz	10Hz	Average

(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

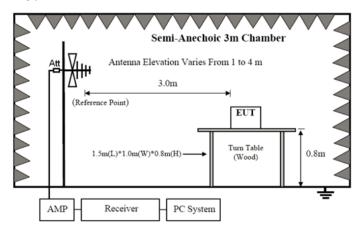
For radiated emissions from 9kHz to 30MHz



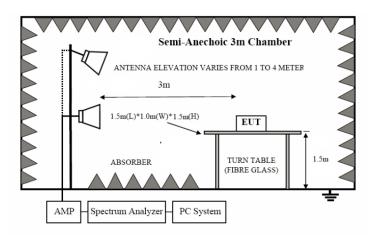
Date: 2023-08-28



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	Field Strength 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)
----------------	--------------	------------	-----	--------------	-----------

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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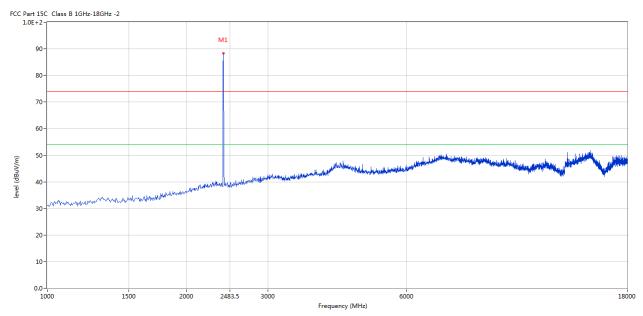


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



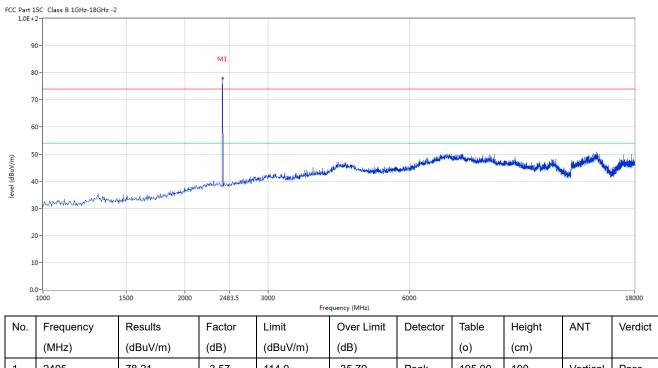
	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
ĺ	1	2405	88.37	-3.57	114.0	-25.63	Peak	4.00	100	Horizontal	Pass

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Vertical



Ī	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
Ī	1	2405	78.21	-3.57	114.0	-35.79	Peak	195.00	100	Vertical	Pass

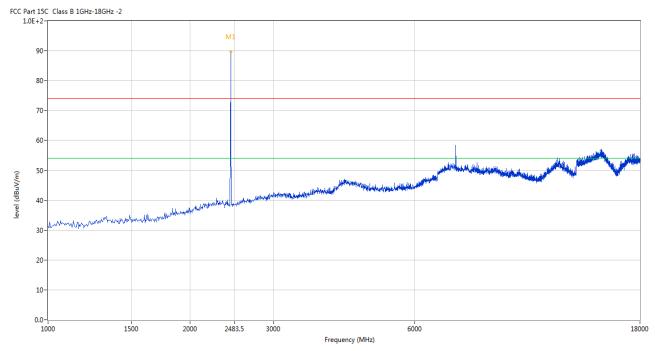
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



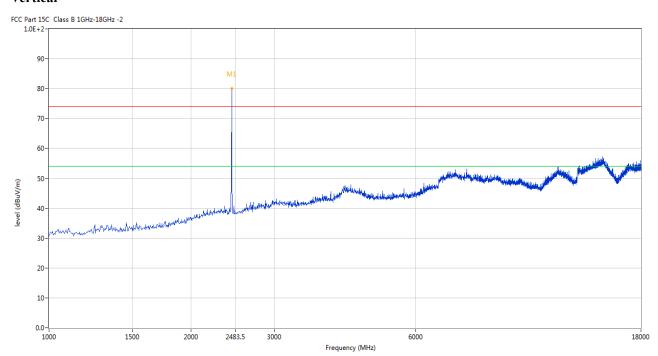
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	2441	89.59	-3.57	114.0	-24.41	Peak	348.00	100	Horizontal	Pass

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Vertical



Ī	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
	1	2441	79.96	-3.57	114.0	-34.04	Peak	21.00	100	Vertical	Pass

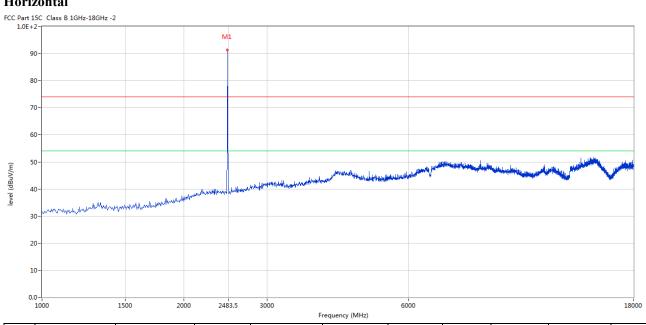
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Please refer to the following test plots for details: High Channel-2475MHz

Horizontal



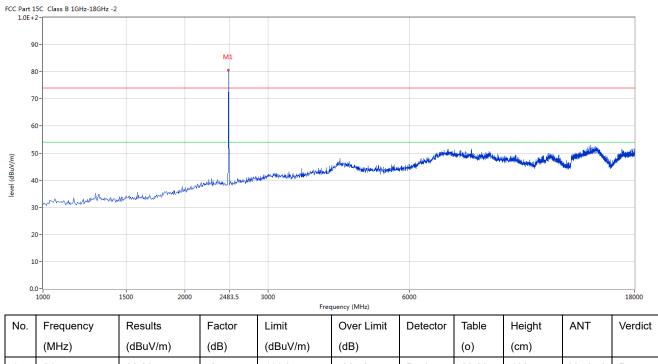
	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
ſ	1	2475	91.08	-3.57	114.0	-22.92	Peak	39.00	100	Horizontal	Pass

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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	2475	80.22	-3.57	114.0	-33.78	Peak	82.00	100	Vertical	Pass

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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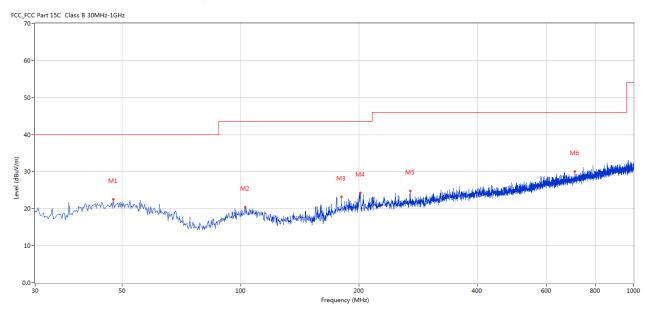


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

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	47.456	22.57	-11.38	40.0	17.43	Peak	100.00	100	Horizontal	Pass
2	102.732	20.43	-13.39	43.5	23.07	Peak	28.00	100	Horizontal	Pass
3	180.797	23.16	-15.19	43.5	20.34	Peak	108.00	100	Horizontal	Pass
4	201.890	24.24	-13.41	43.5	19.26	Peak	149.00	100	Horizontal	Pass
5	270.015	24.78	-11.75	46.0	21.22	Peak	61.00	100	Horizontal	Pass
6	708.345	30.11	-3.92	46.0	15.89	Peak	249.00	100	Horizontal	Pass

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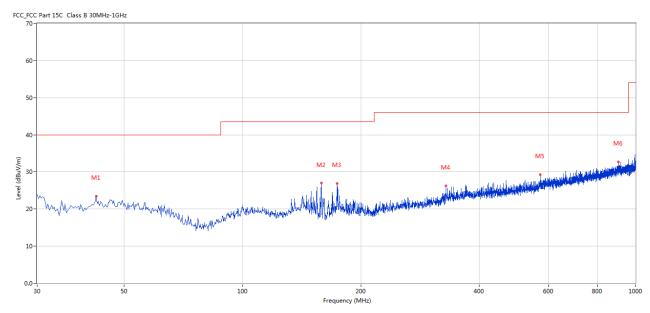


Radiated Emission In Vertical (30MHz----1000MHz)

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	42.364	23.45	-11.59	40.0	16.55	Peak	120.00	100	Vertical	Pass
2	158.735	26.96	-16.46	43.5	16.54	Peak	247.00	100	Vertical	Pass
3	173.767	26.86	-15.88	43.5	16.64	Peak	193.00	100	Vertical	Pass
4	329.170	26.22	-10.29	46.0	19.78	Peak	51.00	100	Vertical	Pass
5	572.579	29.28	-5.88	46.0	16.72	Peak	253.00	100	Vertical	Pass
6	905.206	32.75	-1.82	46.0	13.25	Peak	198.00	100	Vertical	Pass

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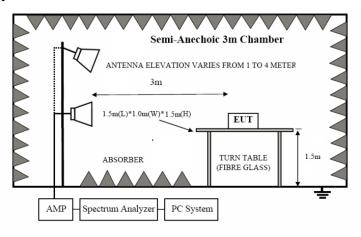


7. Band Edge

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.

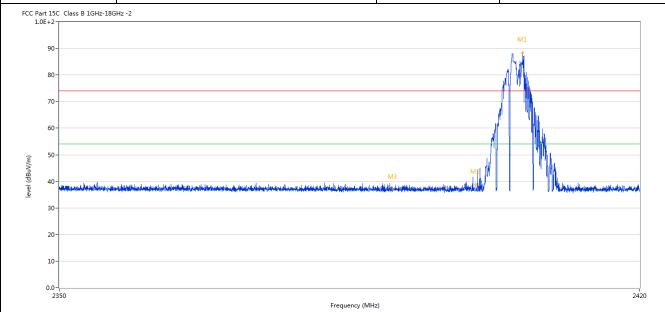
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7.6 Test Result

Product:	WIRELESS 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)		(o)	(cm)		
1	2405.706	88.26	-3.57	74.0	14.26	Peak	324.00	100	Horizontal	N/A
2	2400.000	38.78	-3.57	74.0	-35.22	Peak	38.00	100	Horizontal	Pass
3	2390.000	36.83	-3.53	74.0	-37.17	Peak	301.88	100	Horizontal	Pass

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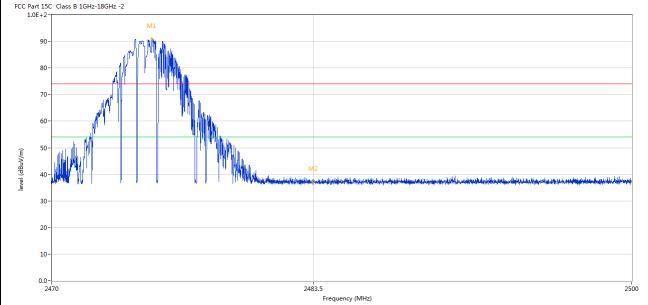
]	Product:	WIRE	LESS GA	MING MOU	SE	Detect	or		Vertical	
	Mode	F	Ceeping Tr	ansmitting		Test Vol	tage		DC3.7V	
Te	mperature		24 de	g. C,		Humid	ity		56% RH	
Τe	est Result:		Pas	SS						
	rt 15C Class B 1GHz-18GF E+2-	-lz -2								
	90-									
	80-							M1		
	70-							/ 		
	60-						J.			
Œ	50-									
el (dBuV/m)	50-				M3		M2			
level (dBuV/m)		So fir ophodoric fragelandesserve floring told youthouse the	managan pangangan dan dan dan dan dan dan dan dan dan d	ndersjægting, had den en stærtend bæt	M3	المعارض والماليطي ووصوان وروانيا	M2		energied-authorities of tenence, a the strice	inglitypiyate.
level (dBuV/m)	40-	the three hades in Louis des Marcels of the and this restriction	onsigned the design according to the	arterspetation de abil descent higher and high		de ikusingl <mark>aksing na be</mark> ning n <u>a sisik</u> a	M2		المراخر وأحرر معاومة فيرين مندر أوراها	April Africa
level (dBuV/m)	30 - 20 -	fingto golyakan sa kungdan kasan kungkungkung dak menangki	ensiyadi kihip esiskinin maseli madi ida	notes proprio de dos describiros esta de describiros de describiro		ku kurughingan arkii, unidha	M2		ભાગના પ્રાથમિક કર્યું હતા. કર્યું કર્યુ	hondish paig solve.
	30 - 20 - 10 -	forfreshaan hugdassaarkushuu faksissaasia	analysis di tilaki qiridhi uuraa qiri saafi ida	المجودة والمتراجعة والمتراجع والمتراجعة والمتراجعة والمتراجعة والمتراجعة والم		da Angelija kapana Pala, salah sa	M2 Milyalahan		antiquid and he gold and the second of the s	handat fasik vine.
_	30 - 20 -	forfreshaan fuedomastudus, täi paudi	analysis di tilaki qirishkararaa qiri saafi ida			da Angelija kapana Pala, salah sa	M2 Mysterial		antiquia de la grada e e e e e e e e e e e e e e e e e e	
	30 - 10 - 0.	Results	Factor		operatulogija (svenico _{st} oja _s venico s to)	Detector	M2	Height	ANT	242
	20 - 10 - 2350	Results (dBuV/m)	Factor (dB)		Frequency (MHz)	ki thiying) Maganat Mai, wasiik.	ation will be the	Height (cm)		242
No.	30- 20- 10- 2350			Limit	Frequency (MHz) Over Limit	ki thiying) Maganat Mai, wasiik.	Table	_		Verdid
(m//ngp) Javaj	30- 20- 10- 2350 Frequency (MHz)	(dBuV/m)	(dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)	Detector	Table	(cm)	ANT	2420 Verdid

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Product:	WIRELESS GAMING MOUSE	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		
FCC Part 15C Class B 1GHz-18GHz	-2	•	



No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2475.144	90.93	-3.57	74.0	16.93	Peak	345.00	100	Horizontal	N/A
2	2483.500	37.26	-3.57	74.0	-36.74	Peak	341.14	100	Horizontal	Pass

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Prod	luct:	WIRE	LESS GA	MING MOU	SE	Detec	tor	Vertical		
Mo	ode	k	Keeping Tr	ansmitting		Test Vo	ltage		DC3.7V	
Tempe	erature		24 de	g. C,		Humic	lity		56% RH	
Test R	Result:		Pas	SS						
FCC Part 15C C 1.0E+2	Class B 1GHz-18GHz	M1								
30 - 20 - 10 - 2470				2483.	Frequency (MHz)					2500
30- 20- 10- 2470	equency	Results	Factor	2483.	5 Frequency (MHz)	Detector	Table	Height	ANT	
20- 10- 2470 No. Free (MI		Results (dBuV/m)	Factor (dB)	2483.	5 Frequency (MHz)					2500

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:	WIRELESS GAM	IING MOUSE	Test Mode:	Keep tra	nsmitting
Mode	Keeping Tran	nsmitting	Test Voltage	DC	3.7V
Temperature	24 deg.	С,	Humidity	56%	6 RH
Test Result:	Pass	1	Detector	F	PK
dB Bandwidth	2.154M	Ήz			
<u> </u>	Marker 1 [T	l ndB]	RBW 100 k	Hz RF Att	20 dB
Ref Lvl			VBW 300 k		
10 dBm	BW 2.154	30862 MHz	SWT 5 m	s Unit	dBm
10			v ₁	[T1] -	4.56 dBm
				2.4045	
0		1	ndI	3 2	0.00 dB
		\bigwedge	BW ▼ _T	2.1543	
-10		/ W~	M/\	2.4039	24.57 dBm 2285 GHz
	L.A.	/	V _I V _T	2.4039 2 [T1] -2	
-20	T1			T2 2.4060	7715 GHz
1MAX				V.	1M
-30	Merry				Mound
-40 Mullim Mark	the state of the s			The state of the s	Mary
-50					
-60					
-70					
-80					
-90		500 kHz			an 5 MHz

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Product:	WIRELESS GAMING MOUSE				Test Mode:		Keep tra	ansmitting	
Mode	Keep	ing Transmi	tting	-	Test Voltage	Voltage DC3.7V			
Temperature		24 deg. C,			Humidity Detector		56%	6 RH	
Test Result:		Pass					I	PK	
dB Bandwidth		2.174MHz							
	Marke:	r 1 [T1 r	ndB]	RBW	100 kF	Iz RI	7 Att	20 dB	
Ref Lvl	ndB		00 dB	VBW	VBW 300 k				
10 dBm	BW	2.174348	370 MHz	SWT	5 ms	s Ur	nit	dBm	
10					v ₁	[T1]	- 4	.46 dBm	Z
							2.44053	407 GHz	
0			1		ndB		20	.00 dB	
				7	BW VT	[T1]	2.17434	870 MHz	
-10		/ر	Man	W	1		2.43991		
		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			M ₁ ▽ _{T2}	[T1]	-24	.68 dBm	
-20	T				\	2.44208717 GF		717 GHz	ـــا
1MAX									1M
-30	- L					$\overline{}$			
	\					\ \			
-40	Myla					4		·····	
white h	. 4/1/10						V	Mens	
-50									
-60									
-70									
-80									
-90									
Center 2.4	41 GHz		500	kHz/			Spa	n 5 MHz	

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GFSK									
Product:	WIREL	ESS GAMING	MOUSE		Test Mode:		Keep tra	ansmitting	
Mode	Keeping Transmitting				Test Voltage		DC3.7V		
Temperature		24 deg. C,			Humidity		569	% RH	
Test Result:		Pass			Detector		PK		
20dB Bandwidth		2.164MHz							
₹ À	Mar	er 1 [T1 n	ndB]	RBW	100 k	Hz R	F Att	20 dB	
Ref Lvl	ndB		00 dB	VBW					
10 dBm	BW	2.164328	866 MHz	SWI	' 5 m	ıs Ui	nit	dBm	
10					v ₁	[T1]	- 5	.25 dBm	A
0							2.47452	405 GHz	
0			1		ndE	8	20	0.00 dB	
			\ /	\	BW $\nabla_{\mathbf{T}^2}$	[T1]	2.16432	$866 \mathrm{MHz}$	
-10			July	- Aller	/		2.47392	2285 GHz	
					\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	2 [T1]	-25		
-20		TI				T2	2.47608	717 GHz	1.00
-30						V			1MA
	W	J				V _{II}			
-40 WWW -50	why					, , , , , , , , , , , , , , , , , , ,	my m	huma	
-50									
-60									
-70									
-80									
-90									
Center 2	.475 GHz		500	kHz/			Spa	an 5 MHz	
Date: 6.	JUL.2023	14:40:49							

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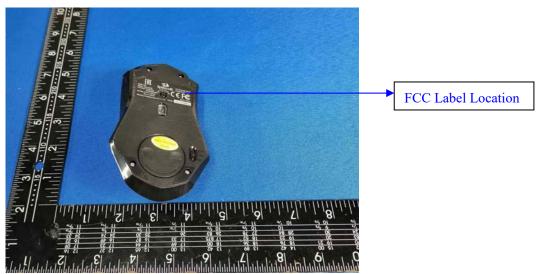


10.0 FCC ID Label

FCC ID: TUVDS-2876C

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



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

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11.2 Photographs-EUT

Outside View



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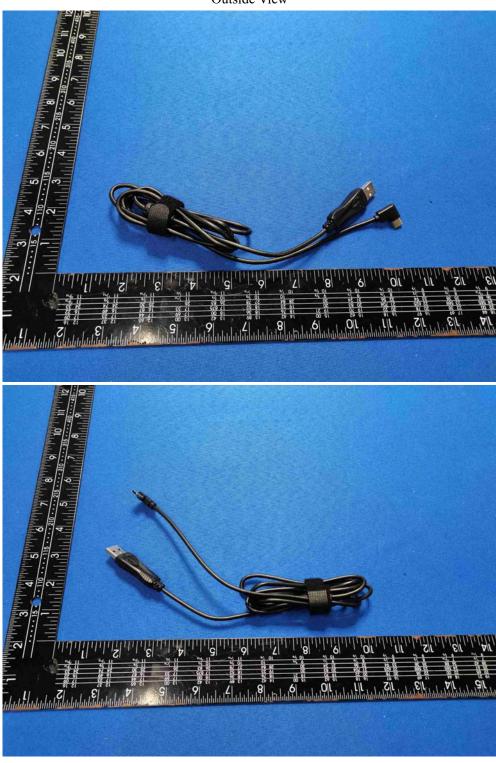
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Inside View



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Inside View

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Inside View



-- End of the report--