

Report No.:	TW2404060-02E
Applicant:	Eastern Times Technology Co.,Ltd
Product:	WIRELESS ULTRA LIGHT-WEIGHT ERGONOMIC GAMING MOUSE
Model No.:	M917GB-PRO, M917B-PRO, DS-2976, DS-2965, M995W-PRO, M995-PRO, M995P-PRO
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

of

Approved By

Terry long

Terry Tang

Manager

Dated:

April 26, 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, Tong Le<br/>Village, Nanshan District, Shenzhen, ChinaTelephone:(755) 83448688Fax:(755) 83442996Site on File with the Federal Communications Commission – United SatesRegistration Number: 744189For 3m Anetoic 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 ULTRA LIGHT-WEIGHT ERGONOMIC 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
Additional Trademark:	N/A
Model Number:	M917GB-PRO
Additional Model Name	M917B-PRO, DS-2976, DS-2965, M995W-PRO, M995-PRO, M995P-PRO
Hardware Version:	2965-A TX V1
Software Version:	0b740fea
Serial No.:	RDM917GB-PRO23122502878
Rating:	DC5V, 220mA or DC3.7V, 10mA
Battery:	DC3.7V, 400mAh Li-ion battery
Modulation Type:	GFSK
Operation Frequency:	2402-2480MHz
Channel Separate:	1MHz
Channel Number:	79
Antenna Designation	PCB antenna with gain -2.89dBi Max (Get from the antenna specification)

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- 1.4 Submitted Sample: 2 Samples
- 1.5 Test Duration 2024-04-03 to 2024-04-26
- 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	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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The EUT has been tested according to the following specifications:

#### **3.0** Technical Details

#### 3.1 Summary of test results

Standard	Test Trme	Result	Notes	
Stanuaru	Test Type	Kesuit	Inotes	
FCC Part 15, Paragraph 15.203	Antenna	Pass	Complies	
FCC Fart 15, Faragraph 15.205	Requirement	I 855	Compues	
	Conducted	n		
FCC Part 15, Paragraph 15.207	Emission Test	Pass	Complies	
	Field Strength			
FCC Part 15 Subpart C Paragraph 15.249(a)	of	Pass	Complies	
& 15.249(b) Limit	Fundamental		•	
	Radiated			
FCC Part 15, Paragraph 15.209		Pass	Complies	
	Emission Test			
FCC Part 15 Subpart C Paragraph 15.249(d)	Band Edge	Dawa	Compliant	
Limit	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

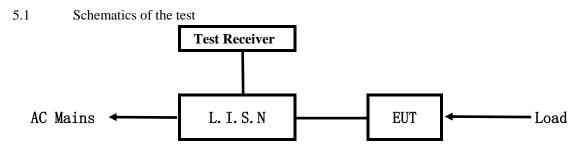
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# 5. Power Line Conducted Emission Test



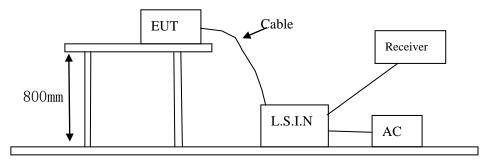
EUT: Equipment Under Test

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

A.	EUT
	-

_				
	Device	Manufacturer	Model	FCC ID
	WIRELESS ULTRA		M917GB-PRO, M917B-PRO,	
	LIGHT-WEIGHT	Eastern Times	DS-2976, DS-2965,	
	ERGONOMIC GAMING	Technology Co.,Ltd	M995W-PRO, M995-PRO,	TUVDS-2965A
	MOUSE		M995P-PRO	

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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 (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
4	$5.00 \sim 30.00$	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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Conducted Emission on Live Terminal (150kHz to 30MHz) A: **EUT Operating Environment** Temperature: 25℃ Humidity: 65%RH Atmospheric Pressure: 101 kPa 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 0 -10 -20 (MHz) 30.000 0.150

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.5166	17.27	9.77	27.04	56.00	-28.96	QP	Ρ
2	0.5166	4.34	9.77	14.11	46.00	-31.89	AVG	Ρ
3	0.8676	25.47	9.79	35.26	56.00	-20.74	QP	Ρ
4	0.8676	9.83	9.79	19.62	46.00	-26.38	AVG	Ρ
5	3.1013	13.56	9.85	23.41	56.00	-32.59	QP	Ρ
6	3.1013	0.24	9.85	10.09	46.00	-35.91	AVG	Ρ
7	6.7596	10.27	10.00	20.27	60.00	-39.73	QP	Ρ
8	6.7596	0.27	10.00	10.27	50.00	-39.73	AVG	Р

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B: Conducted Emission on Neutral Terminal (150kHz to 30MHz) **EUT Operating Environment** Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa EUT set Condition: Charging and 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 peak 20 AVG 10 0 -10 -20 (MHz) 30.000 0.150

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.4854	19.81	9.77	29.58	56.25	-26.67	QP	Ρ
2	0.4854	8.66	9.77	18.43	46.25	-27.82	AVG	Ρ
3	0.8637	26.68	9.79	36.47	56.00	-19.53	QP	Ρ
4	0.8637	13.82	9.79	23.61	46.00	-22.39	AVG	Ρ
5	3.0819	14.78	9.85	24.63	56.00	-31.37	QP	Ρ
6	3.0819	3.16	9.85	13.01	46.00	-32.99	AVG	Ρ
7	6.9702	8.42	10.01	18.43	60.00	-41.57	QP	Ρ
8	6.9702	-0.37	10.01	9.64	50.00	-40.36	AVG	Р

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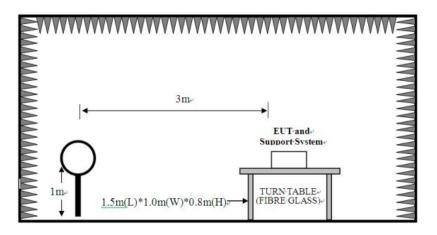


### 6 Radiated Emission Test

- 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



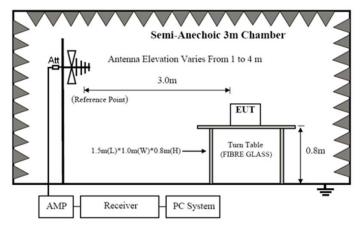
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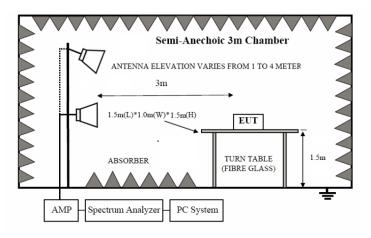
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For radiated emissions from 30MHz to1GHz



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	Field Strength of Fundamental (3m)Field Strength of Harmonics (3)					
(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  $(dBuV) = 20 \log RF$  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	L	
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
30-88	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.

X,Y,Z axis of EUT all have been tested only worse case is reported

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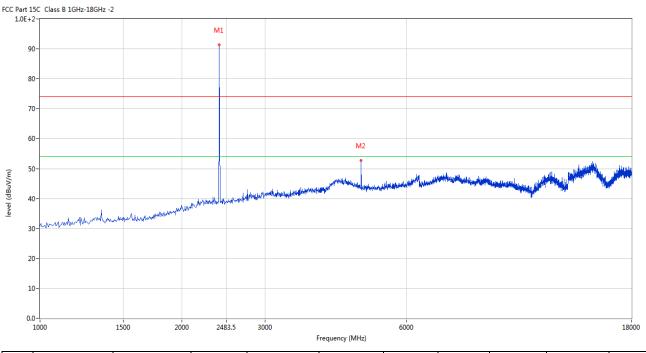


# 6.5 Test result

# 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	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	91.32	-3.57	114.0	-22.68	Peak	57.00	100	Horizontal	Pass
2	4802.799	52.70	3.12	74.0	-21.30	Peak	109.00	100	Horizontal	Pass

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-25.94

159.00

100

Vertical

Pass

Peak

88.06

2402

1

-3.57

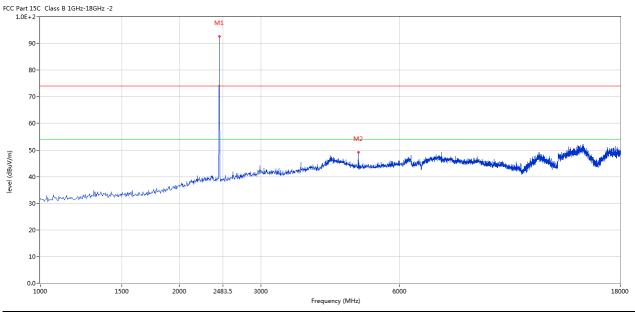
114.0

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

#### Horizontal

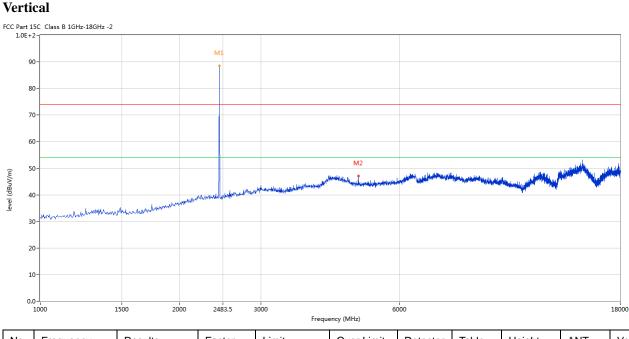


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	92.65	-3.57	114.0	-21.35	Peak	55.00	100	Horizontal	Pass
2	4879.280	49.20	3.20	74.0	-24.80	Peak	106.00	100	Horizontal	Pass

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No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	88.47	-3.57	114.0	-25.53	Peak	40.00	100	Vertical	Pass
2	4879.280	47.01	3.20	74.0	-26.99	Peak	55.00	100	Vertical	Pass

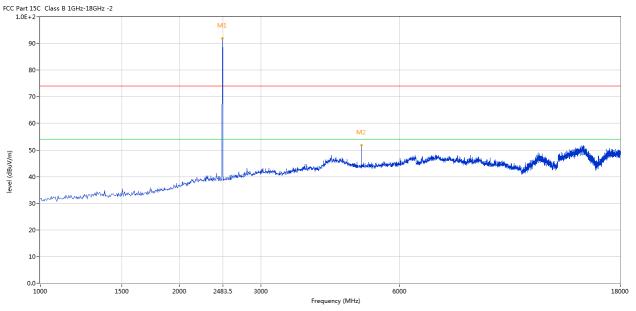
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# Please refer to the following test plots for details: High Channel-2480MHz

#### Horizontal

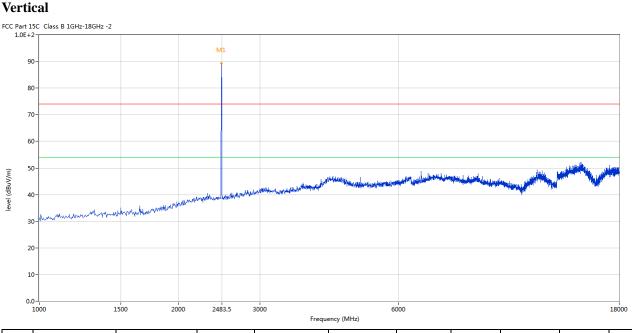


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	91.90	-3.57	114.0	-22.10	Peak	247.00	100	Horizontal	Pass
2	4960.010	51.79	3.36	74.0	-22.21	Peak	247.00	100	Horizontal	Pass

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No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict	
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)			ĺ
1	2480	89.25	-3.57	114.0	-24.75	Peak	45.00	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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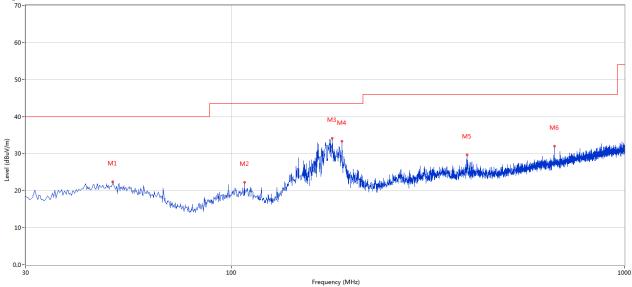
# B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

## Results: Pass

Please refer to following diagram for individual

FCC\_FCC Part 15B 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	49.880	22.45	-11.36	40.0	17.55	Peak	163.00	100	Horizontal	Pass
2	108.065	22.28	-13.42	43.5	21.22	Peak	38.00	100	Horizontal	Pass
3	180.797	34.17	-15.19	43.5	9.33	Peak	260.00	100	Horizontal	Pass
4	191.222	33.33	-14.19	43.5	10.17	Peak	281.00	100	Horizontal	Pass
5	397.296	29.66	-8.72	46.0	16.34	Peak	4.00	100	Horizontal	Pass
6	663.979	31.99	-4.40	46.0	14.01	Peak	267.00	100	Horizontal	Pass

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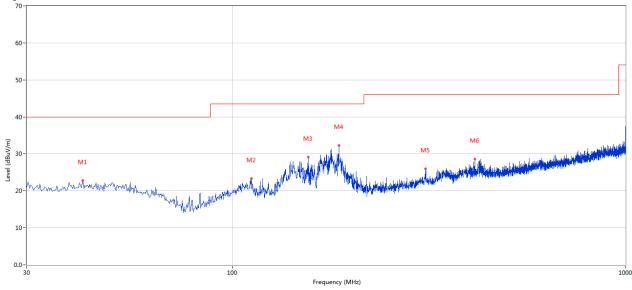
#### Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

### Results: Pass

#### Please refer to following diagram for individual

FCC\_FCC Part 15B 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	41.637	22.75	-11.82	40.0	17.25	Peak	308.00	100	Vertical	Pass
2	111.945	23.36	-13.81	43.5	20.14	Peak	186.00	100	Vertical	Pass
3	156.068	29.12	-16.62	43.5	14.38	Peak	176.00	100	Vertical	Pass
4	186.616	32.32	-14.69	43.5	11.18	Peak	253.00	100	Vertical	Pass
5	309.775	25.96	-10.73	46.0	20.04	Peak	338.00	100	Vertical	Pass
6	413.539	28.62	-8.28	46.0	17.38	Peak	15.00	100	Vertical	Pass

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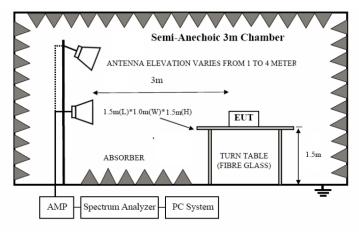


# 7. Band Edge

### 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:		LIGHT-W	IRELESS U VEIGHT E AMING M	Ро	larity	Horizontal				
Mode		Kee	Test	Voltage	DC3.7V					
Temperature				midity		56% RH				
Test Result:			24 deg. Pass	- 1						
	15C Class B 1GHz-18GHz	-2							W1	
8 7	10 10 10									
	00- 10- 10- 10- 00-	adiaatiinyaayoo Libiaadii yoosaataabiinya	sain-dinasintinen station fass	addaan fload faan flof bid aaf maa madaaba	sistilataan kasko konstraasiin alto	M3	understeinen einer	, 11/2 ·		And and
ш/лпар 2 3	10 - U (hudi) (singer divise + hybrid) 10		supridinasjitione ekitoso		editory ladit of the strate with	MB Wife dependent left	under transformer	, 1112		2410
ш/лпар 2 3	0	Results	Factor			Detector	Table	Height	ANT	2410
2	0			Fr	equency (MHz)		Table (o)	Height (cm)		2410
2 1 0 No.	0	Results	Factor	Fr	equency (MHz) Over Limit			-		2410
No.	0	Results (dBuV/m)	Factor (dB)	Fr Limit (dBuV/m)	equency (MHz) Over Limit (dB)	Detector	(o)	(cm)	ANT	2410 Verdia
	0	Results (dBuV/m) 91.26	Factor (dB) -3.57	Fr Limit (dBuV/m) 74.0	equency (MHz) Over Limit (dB) 17.26	Detector Peak	(o) 265.00	(cm) 100	ANT Horizontal	2410 Verdic

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		WIRELESS ULTRA				Detector				
	Product:							Vert	ical	
			AMING M							
	Mode	Ke	eping Tran	smitting	Test	Voltage		DC3	3.7V	
Temperature		24 deg. C,			Hur	nidity		56%	RH	
	est Result:		Pass					-	-	
CC Part 1.0E	15C Class B 1GHz-18GHz +2-	-2								
	90-								M1	
	80-								л,	
	70-							ſ	k	
	60-								- '\	
Ê	50-							M2	- K	
level (dBuV/m)	40-					Ma	3		. "	
	1999) 1999 1999 1999 1999 1999 1999 199	harmin italiset ikaistin kululukaan.	annan i linndon tarih a ish af bana	en-ydeneddiaethafyddyddyddyddyddyd	ister de fankenski die sier stere	(6).4-84.cr#4/10/crast#88/4,	yhillinin af air hair an			Yound
	30-									
	20-									
	10-									
	0.0-									
	2350			F	requency (MHz)					241
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdic
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
		87.38	-3.57	74.0	13.38	Peak	40.00	100	Vertical	N/A
1	2401.797	07.30				Peak	40.00	100	Mantinal	
1 2	2401.797 2400.057	58.20	-3.57	74.0	-15.80	Feak	40.00	100	Vertical	Pass
			-3.57 -3.57	74.0 54.0	-15.80 -7.65	AV	40.00	100	Vertical	Pass Pass

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Product:		WIRELES ERGON		Polarity		Horizontal					
	Mode	Keeping Transmitting				est Voltag	e DC3.7V				
Temperature		24 deg. C,				Humidity	56% RH				
Те	est Result:		Pas	SS							
CC Part 1 1.0E+	15C Class B 1GHz-18GH:	2 -2									
2.02	-		M	1							
g	90-		م مسلس	Ju -							
8	30 -		<u>/</u>								
7	70-		- X								
			y	· /							
e	50-		1								
Ê 5	50-	/	<b>A</b>	P. P	the second						
(dBuV/m)		Instant should a strong of the	Λ	M2	Martin mere	11	.11 .1.1				
IBuV/m	50- 10-	how we also have a series and the	μ	M2	have shown	and a star of a	er in delikteren sin	ringtar alde Boltonne kelenstand	nton the state of the second secon	hatting an ar	
level (dBuV/m		log as a first way as the	ρ	M2	Martin Martin	had over the hand a set of the solution	ซุ.e	า่าๆรังราชได้มีสิ่งให้เริ่มแห่งไม่เป็นสะไ	with a faith of the faith of the state of the	tetti ata ya af	
level (dBuV/m 5	10 - Withington and applied the second	hope and a share the second	A	M2	And a start and a start of the	hal of the stand with the stand of the stand	ur terret had before some som	าราราชาวาร์ได้เร็าขึ้นแห่งไปเมาสะรั	uranaghterisanan yant gasabt	tatiles are af	
level (dBuV/m 2	10 - Ultruch teach an star biotrachan 30	logan al al and an	A	M2	have a start of the start of th	hilmen heimele seg an fan ski	in her d <sup>e</sup> still former of when	า่ารูปหาไส่มีมีในการไปเกม	nikatuskompisaturat hyvätäminekki	<del>เป็นที่ได้มี แห่งสูงครู</del>	
level (dBuV/m 2	10 - <mark>Ultarity of a stall biotesty</mark> 30 -	hope as a first the second second	A	M2	And a strategy	tal for a standard and a standard and the	e in Address in	า่า <del>ว สถาได้</del> มีสินับ 	undersatterförstanden hyseit gesa sykke	Miller and an	
4 اوروا (dBuV/m 5 2 1 1	10 - Ultruch teach an star biotrachan 30	here and a short here and here	A	M2 2483.5		hill to the start of the start	ey in el dillon og eine	ร่างกลางได้มีให้ในครั้งไปเหลือ 		250	
4 اوروا (dBuV/m 5 2 1 1	10	Results	Factor		5	Detector	Table	Height	ANT		
evel (dBu//m 3 2 1	10		Factor (dB)	2483:5	5 Frequency (MHz)					250	
evel (dBu//m 3 2 1	10	Results		2483.: Limit	5 Frequency (MHz) Over		Table	Height		250	
4 (dgn//m 2 1 0 No.	10	Results (dBuV/m)	(dB)	2483.5 Limit (dBuV/m)	5 Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	250 Verdic	

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Product:				LIGHT-WEIGH MING MOUSE	De	Detector		Vertical			
	Mode	Keeping Transmitting				Voltage		DC	3.7V		
Temperature		24 deg. C,				midity		56%	6 RH		
Test Result:			Pass					-			
CC Part : 1.0E+	15C Class B 1GHz-18GHz	2					1				
level (dbuv/m)	10		M	No Ma Ma		avçıki işk bili o bari ya dişk dişk	is)Nedergadar, et sjølet, sovregfe		witersty, algo after style sty		
1	10-										
	.0- .2470		1	2483.5 Frequ	ency (MHz)					2500	
0	.0-	Results (dBuV/m)	Factor (dB)		ency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT		
	2470 Frequency			Frequ Limit (dBuV/m)	Over Limit	Detector Peak		-	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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adopt any other remedies which may be appropriate.



#### 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 -2.89dBi maximum. It fulfills the requirement of this section. Test Result: Pass

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

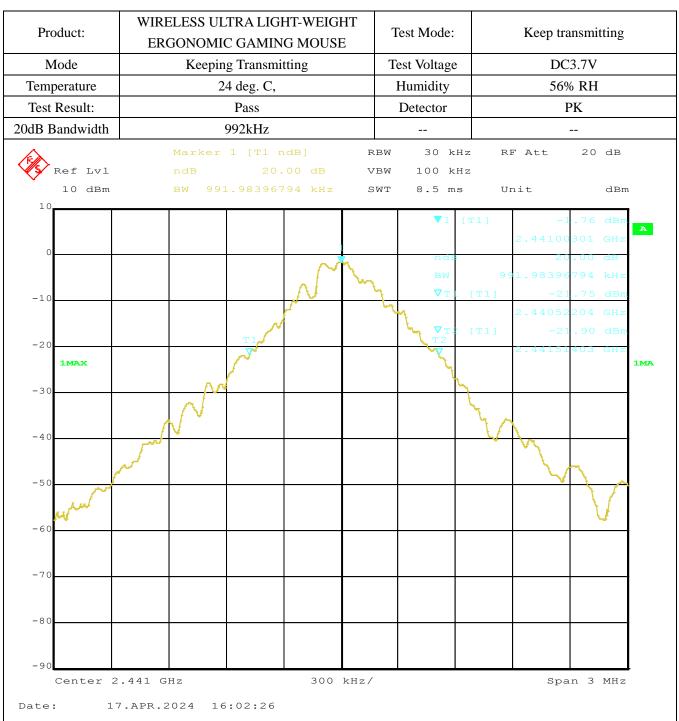
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Product:	WIRELESS ERGONO	Test Mode:		Keep transmitting					
Mode	Kee	Test Voltage		DC3.7V					
Temperature		24 deg. C	,		Humidi	ty	56	% RH	
Test Result:		Detector		РК					
0dB Bandwidth									
Ref Lvl 10 dBm	ndB	1 [T1 n 20. 1.983967	00 dB	RBW VBW SWT	30 k 100 k 8.5 m	Hz	RF Att Unit	20 dB dBr	n
10			94 KHZ	SWI	▼1	[T1]	2.4020	1.18 dBn 0301 GHz	
-10			$\sim$	www.	ndE BW ⊽T:	9 [ [T1]	2 991.9839 -2	0.00 dB 6794 kHz 1.38 dBn	
-20		TI	(			(T1)	2.4015 -2 2.4025	1603 GHz C.90 dBn 0802 GHz	
<b>1MAX</b>		ſ~			J.	Ly			11
- 40	$\sim$								
-50	-						<u>}</u>	h,	
- 60									
-70									1
-80									
-90 Center 2.4	102 GHz		300	kHz/			Sp	an 3 MHz	1

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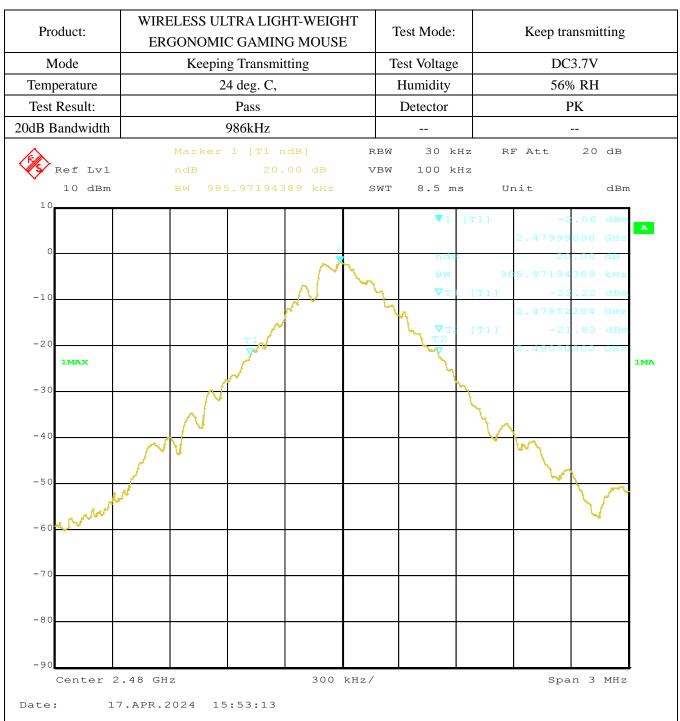




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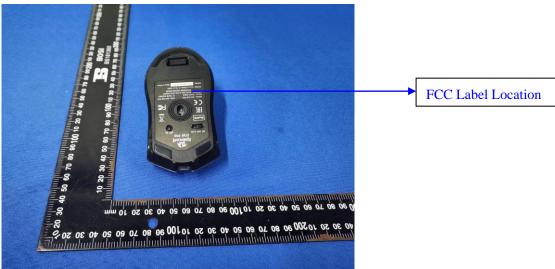


#### 10.0 FCC ID Label

## FCC ID: TUVDS-2965A

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--

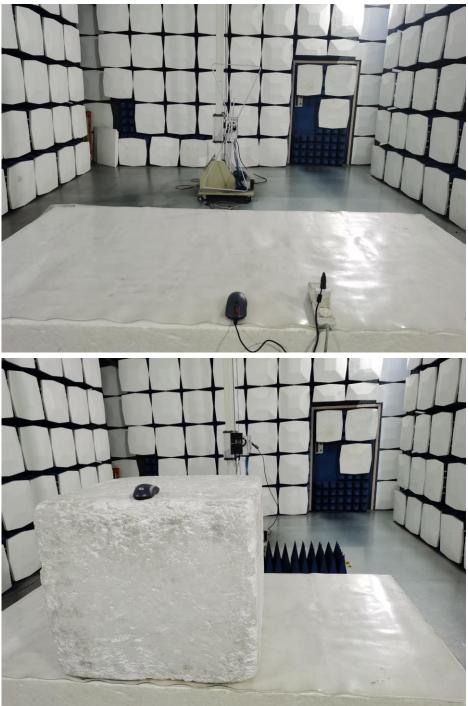


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Radiated emission test view



### **Photographs – EUT**

Please refer test report TW2404060-01E

#### --End of the report--

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