



Report No.: TW2203099E File reference No.: 2022-03-30

Applicant: Eastern Times Technology Co.,Ltd

Product: WIRELESS MOUSE

Model No.: CA282A, DS-2879, PC282A, 282, JS282, T23, T98,

T-TGM308

Trademark: T-DAGGER

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

withdrawal at

Dated: March 30, 2022

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

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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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 MOUSE

Manufacturer: Eastern Times Technology Co.,Ltd

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

Dongguan City, Guangdong, China.

Trademark: T-DAGGER Model Number: CA282A

Additional Model Name DS-2879, PC282A, 282, JS282, T23, T98, T-TGM308

Rating: DC5.0V, 30mA

Battery DC3.7V, 1000mAh Li-ion battery

Modulation Type: GFSK

Operation Frequency: 2402-2480MHz

Channel Number: 16

Channel List (Unit: MHz): 2402, 2426, 2441, 2463, 2407, 2422, 2445, 2466, 2414, 2436, 2459, 2473,

2419, 2439, 2453, 2480

Serial No.: 22A11

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

1.4 Submitted Sample: 1 Sample

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1.5 Test Duration

2022-03-07 to 2022-03-30

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	2021-06-18	2022-06-17
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	Anritsu	ML2487A	6K00003613	2021-06-18	2022-06-17
Power sensor	Anritsu	MA2491A	32263	2021-06-18	2022-06-17
Bilog Antenna	Schwarebeck	VULB9163	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	2021-06-18	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	1	2021-06-18	2022-06-17
RF Cable	Zhengdi	7m	1	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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Technical Details 3.0

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	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 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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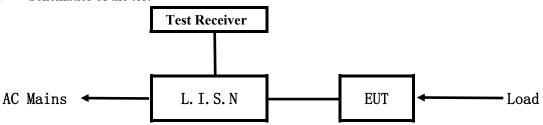
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5. Power Line Conducted Emission Test

5.1 Schematics of the test

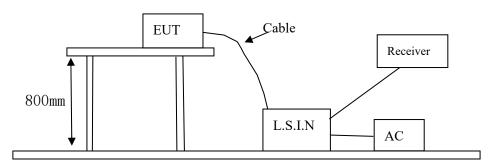


EUT: Equipment Under Test

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	Manufacturer	Model	FCC ID	
WIRELESS MOUSE	Eastern Times	CA282A, DS-2879, PC282A, 282,	TUVDS-2879	
WIRELESS MOUSE	Technology Co.,Ltd	JS282, T23, T98, T-TGM308	10 10 5-28 79	

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	KEYU	KA23-0502000DEU	Input: 100-240V~, 50/60Hz, 0.35A;
			Output: DC5V, 2A

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.4 -2014

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency	Limits (dB μ V)			
(MHz)	Quasi-peak Level	Average Level		
$0.15 \sim 0.50$	66.0~56.0*	56.0~46.0*		
$0.50 \sim 5.00$	56.0	46.0		
5.00 ~ 30.00	60.0	50.0		

Notes:

- 1. *Decreasing linearly with logarithm of frequency.
- 2. The tighter limit shall apply at the transition frequencies

5.6 Test Results:

Pass

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

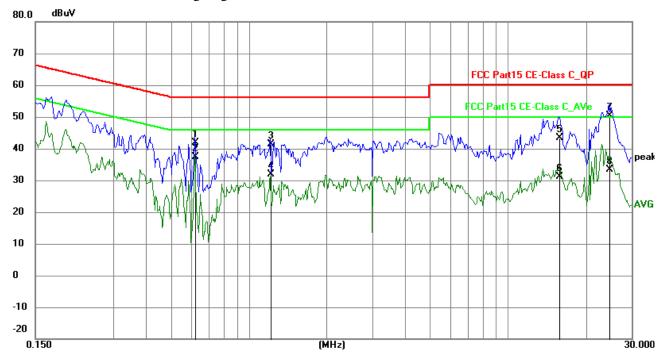
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Charging and Keep Transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.6180	32.00	9.78	41.78	56.00	-14.22	QP	Р
2	0.6180	27.61	9.78	37.39	46.00	-8.61	AVG	Р
3	1.2108	31.64	9.79	41.43	56.00	-14.57	QP	Р
4	1.2108	22.03	9.79	31.82	46.00	-14.18	AVG	Р
5	15.7842	33.06	10.43	43.49	60.00	-16.51	QP	Р
6	15.7842	20.65	10.43	31.08	50.00	-18.92	AVG	Р
7	24.5396	39.46	10.96	50.42	60.00	-9.58	QP	Р
8	24.5396	22.50	10.96	33.46	50.00	-16.54	AVG	Р

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

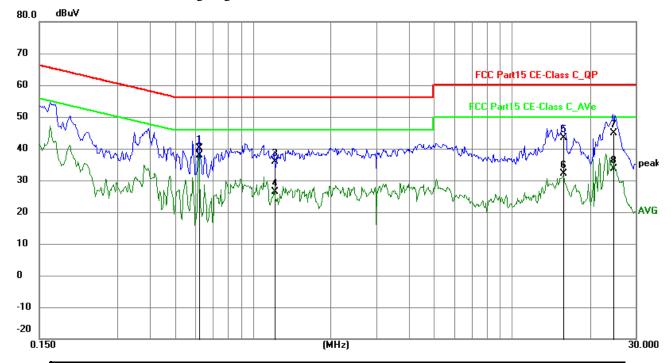
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Charging and Keep Transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.6180	30.46	9.78	40.24	56.00	-15.76	QP	Р
2	0.6180	28.12	9.78	37.90	46.00	-8.10	AVG	Р
3	1.2108	26.13	9.79	35.92	56.00	-20.08	QP	Р
4	1.2108	16.49	9.79	26.28	46.00	-19.72	AVG	Р
5	15.7842	33.06	10.43	43.49	60.00	-16.51	QP	Р
6	15.7842	21.64	10.43	32.07	50.00	-17.93	AVG	J
7	24.5396	33.94	10.96	44.90	60.00	-15.10	QP	Р
8	24.5396	22.58	10.96	33.54	50.00	-16.46	AVG	Р

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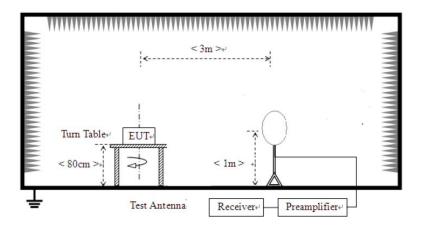


6 Radiated Emission Test

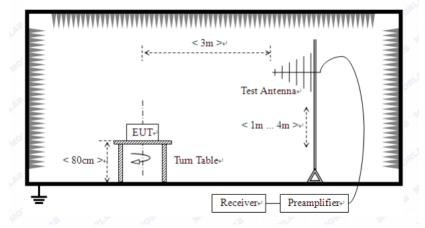
- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 kHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz (Note: for Fundamental frequency radiated emission measurement, RBW=3MHz, VBW=10MHz). Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz



For radiated emissions from 30MHz to1GHz



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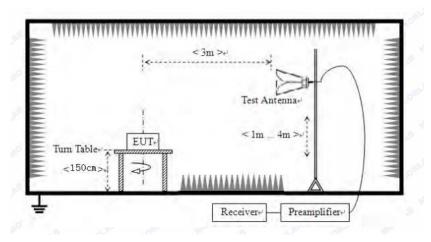
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For radiated emissions above 1GHz



- 6.2 Configuration of The EUT

 Same as section 5.3 of this report
- 6.3 EUT Operating Condition
 Same as section 5.4 of this report.
- 6.4 Radiated Emission Limit

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

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

Fundamental Frequency	Field Strength of Fundamental (3m)			Field S	trength of Harmo	onics (3m)
(MHz)	mV/m	dBuV/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.

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

Frequency Range (MHz)	Distance (m)	Field strength (dB µ V/m)
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 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. Battery full charged during tests.

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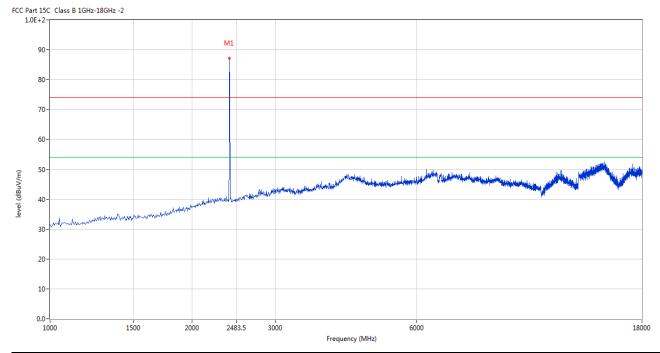


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



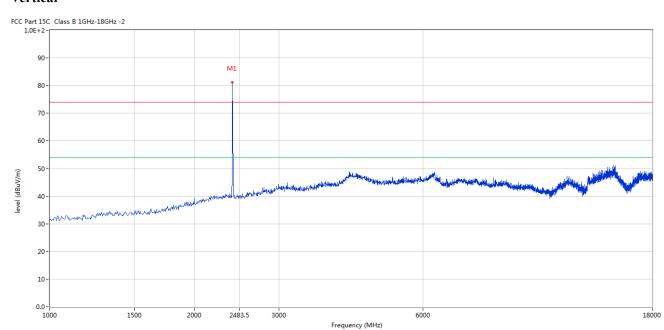
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2401.759	87.57	-3.57	114.0	-26.43	Peak	270.00	100	Horizontal	Pass

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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	2401.759	81.09	-3.57	114.0	-32.91	Peak	79.00	100	Vertical	Pass

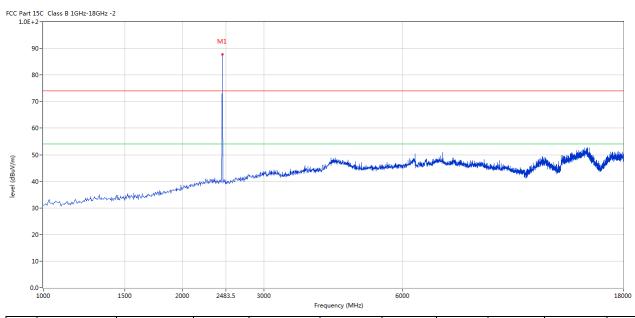
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2440.863	87.69	-3.57	114.0	-26.31	Peak	273.00	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	2440.868	79.59	-3.57	114.0	-34.41	Peak	59.00	100	Vertical	Pass

Frequency (MHz)

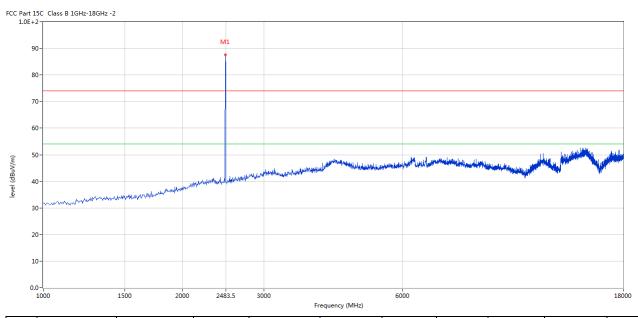
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2479.456	87.64	-3.57	114.0	-26.36	Peak	270.00	100	Horizontal	Pass

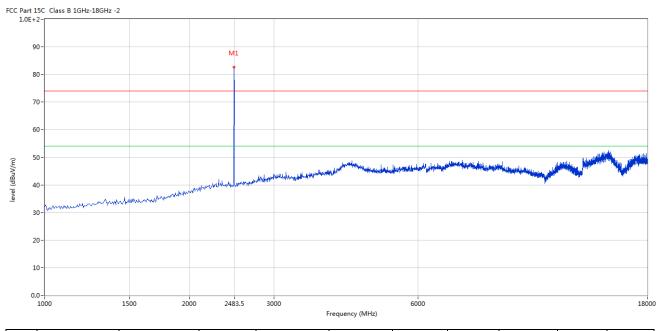
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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2479.681	83.25	-3.57	114.0	-30.75	Peak	355.00	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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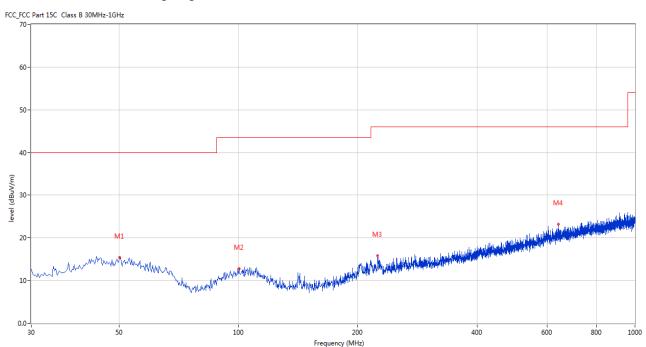


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	50.122	15.39	-11.38	40.0	-24.61	Peak	100.00	100	Horizontal	Pass
2	100.307	12.81	-13.50	43.5	-30.69	Peak	360.00	100	Horizontal	Pass
3	224.436	15.86	-13.00	46.0	-30.14	Peak	34.00	100	Horizontal	Pass
4	640.947	23.19	-4.74	46.0	-22.81	Peak	293.00	100	Horizontal	Pass

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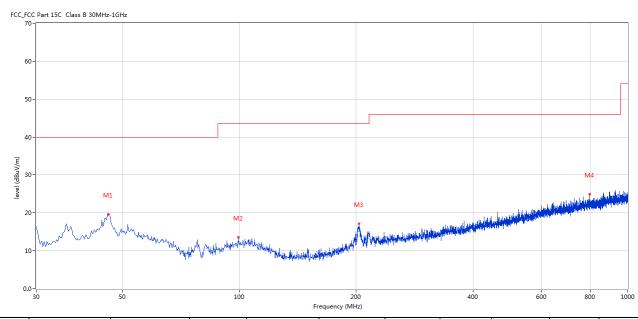


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



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

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Date: 2022-03-30

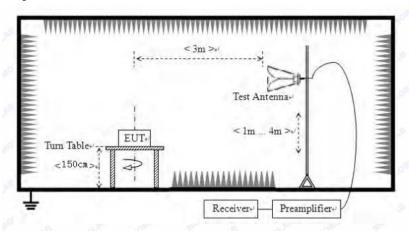


7. Band Edge

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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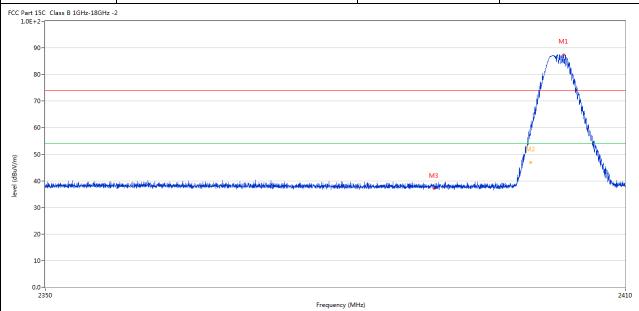
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7.6 Test Result

1050 1105410			
Product:	WIRELESS 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)		(0)	(cm)		
1	2402.537	87.47	-3.57	74.0	13.47	Peak	268.00	100	Horizontal	N/A
2	2400.087	57.21	-3.57	74.0	-16.79	Peak	268.00	100	Horizontal	Pass
2**	2400.087	46.89	-3.57	54.0	-7.11	AV	268.00	100	Horizontal	Pass
3	2390.070	37.19	-3.53	74.0	-36.81	Peak	1.00	100	Horizontal	Pass

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J	Product:	W	IRELESS	MOUSE		Detecto	r	V	/ertical	
	Mode	Ke	eeping Tra	nsmitting		Test Volta	age	D	C3.7V	
Te	mperature		24 deg	. C,		Humidit	ty	50	6% RH	
Τe	est Result:		Pass	S						
CC Part 1	rt 15C Class B 1GHz-18GHz -2									
9	10-								M1	
8	60-								M	
7	70-								1	
6	60-							/_	_\	
								Mi	-	
_ 5	0-									
m//m						M3		/	V	
m//ngp) law		agensel wertyken die kommenten geben an gewende floren med de	didentable on the state of all the	idden for a stated week somethy as a relative case by a chi	فتوقد والمريان والمتعدد والمتعدد والمتعدد		بدون الدوران الدور والمالية الدور العالمة الدور العالمة الدور العالمة الدور الدور العالمة الدور العالمة الدوران	A Transport	1	un plake
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m//uBb) level	10-	agust en flu cinlen it en stern sant flu made	Andrew Andrew Construction	ida la cidada di partina de destina de la cidada del cidada de la cidada del cidada de la cidada del cidada del cidada de la cidada de la cidada del cida	and any edge-state of the property of the state of the st		بين الإيران في المراجلة المراجلة الإيران المراجلة المراجلة المراجلة المراجلة المراجلة المراجلة المراجلة المراج	eliki-ekee)	1	u estado de la compansión de la compansi
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m/∖ugh) level (dBu√γ) 4	10 - Handridge And Handridge Address of Addr	abyrasi tarifasi elisaban sisteris piringasisti karanada	dadgeren Helderschaner und einer Steine	in the second section of the section of the second section of the section of the second section of the sec	an ang atawa kanana		ishila valleenen airilgaleine	etter verein der		uct play
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#/(ngp) 4 4 3 2 1 0.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Freq Limit (dBuV/m)	uency (MHz) Over Limit (dB)	Detector	Table (o)	(cm)		Verdic

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Date: 2022-03-30

2**

2483.444

47.78

-3.57

54.0

	Product:		WIREI	LESS MOUS	E		Polarit	y	Horizon	tal
	Mode		Keepin	g Transmittir	ng	,	Test Volta	age	DC3.7	V
Te	emperature		2	4 deg. C,			Humidi	ty	56% R	Н
Te	est Result:			Pass						
FCC Part :	15C Class B 1GHz-18GHz	-2								
2	90-		Labla V	11 h						
8	30-									
7	70-		1	""						
6	50 -		<i>f</i>	7						
		/		M21						
(m//m)	50-			• '	M.					
level (dBuV/m)	10 - Millenni Hall-Miller neleskist manischiler	the state of the s			Tales of the same of the same	المدينة والمرادة والم	المراسان والإسالة والموصورة	والمراجعة	ndekladiya desleriyad isa iyabda yayir dada	ere the state of t
	30-									
2	20 -									
J	10-									
0	.0- 2470			2483.5						2500
	T_	T	Τ	1	Frequency (MHz)					.,
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdi
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
	2479.350	87.58	-3.57	74.0	13.58	Peak	273.00	100	Horizontal	
1	2483.444	07.00	0.07	7 1.0	10.00	Peak	273.00	100	Honzontai	N/A

-6.22

ΑV

273.00

100

Horizontal

Pass

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]	Product:		WIRELESS MOUSE				Detecto	r	Vertica	al		
	Mode Keeping T			ng Transmittir	Transmitting			Test Voltage DC3		V		
Te				24 deg. C,	Hum			у	56% R	Н		
Te	est Result:		Pass									
CC Part 1	15C Class B 1GHz-18GHz	-2						•				
9	90-											
8	30-											
7	70-											
6	60-											
<u>E</u> 5	50-			M2								
ol (dBuV/m)		A CONTRACTOR OF THE PARTY OF TH		M2	Marita and Marita and America	والمراجع المعارضة في المعارضة	Adams day of the black and all	والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج	l la consecutiva de la consecutiva della consecu	Lada et a c		
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level (dBuV/س	10 - Management in a state had not a	huminin hande		M2	Andrew State of the State of th	ค่อเลยสูก เคลื่อก อ่ากล่ะค่องจากลูกเ	de de la companya de	i Hacadan Asa-Majairi Anara (Maintean	holomoire mad dir natural actività di securità di securità di securità di securità di securità di securità di s	den financia		
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اور (BBu/لار) الم	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	Results	Factor			Detector	Table	Height	ANT			
الله الهرارية المرارية الهرارية الهرارية الهرارية الهرارية الهرارية الهرارية الهرارية الهرارية الهرارية الهرار	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		Factor (dB)	Fre	quency (MHz)					2500		
الله الهرارية المرارية الهرارية الهرارية الهرارية الهرارية الهرارية الهرارية الهرارية الهرارية الهرارية الهرار	10	Results		Limit	quency (MHz) Over Limit		Table	Height		2500		
الم	Frequency (MHz)	Results (dBuV/m)	(dB)	Limit (dBuV/m)	quency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	2500 Verdict		

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:	WIRELESS MOUSE			Test Mode:		Keep transmitting			
Mode	Keeping Transmitting				Test Voltage				
Temperature	24 deg. C, Pass				Humidity Detector		56% RH PK		
Test Result:									
0dB Bandwidth	2.515MHz								
	Marker 1 [T1 ndB]			RI	3W 100 k		Hz RF Att 20 (20 dB
Ref Lvl	ndB	20	.00 dB	VE	ЗW	300 kl	Hz		
10 dBm	BW	2.515030	006 MHz	SV	VТ	5 ms	s U	nit	dBm
10						$lacktriangledown_1$	[T1]	-1	l.02 dBm
		1						2.40139	379 GHz
0		\wedge	~	\		ndB		20	0.00 dB
		/ `	\ /		\bigvee'	BW	[T1]	2.51503	006 MHz
-10		\sim	\vee			7	[11]	2.40067	
	T1	كممم				$ abla_{\mathrm{T2}}$	V _E E1]	-20	
-20							7	2.40318	737 GHz
1MAX							\		
-30							— \ _		
// ~							<u> </u>	~~~	\
-40			+						7
M									· www
-50									
-60									
-70			+		+				
-80					\perp				
-90									
Center 2.40	2 GHz		500 k	Hz/				Spa	an 5 MHz

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Product:	WIRELESS MOUSE			est Mode:	Keep transmitting			
Mode	Keeping Transmitting			est Voltage	DC3.7V			
Temperature	24 deg. C,			Humidity	56% RH			
Test Result:			Detector	PK				
20dB Bandwidth	2.32							
	Marker 1	[T1 ndB]	RBW	100 kHz	z RF Att	20 dB		
Ref Lvl	ndB	20.00 dB	VBW	300 kHz		15		
10 dBm	BW 2.	32464930 MHz	SWT	5 ms	Unit	dBm		
				V 1 [T1]	0.68 dBm		
0		1			2.4403			
			\searrow	ndB BW	2.3246	0.00 dB 4930 MHz		
-10				$\sqrt{\gamma}_{T1}$	[T1] -1	9.46 dBm		
-10	\ \ 				2.4398	6273 GHz		
	T			∇_{T2}	[21] -1	9.65 dBm		
-20	A . ~				2.4421	8737 GHz . 1MA		
"Upon plant"	her for the free of				\ <u>.</u>	A		
-30	•				The state of the s	" har Mily		
-40								
-50								
-60								
-70								
-80								
-90								
Center 2	.441 GHz	500	kHz/		Span 5 MHz			
Date: 30	.MAR.2022 10:	13:56						

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Product:	WIRELES	SS MOUSE	Т	est Mode:	Keep transmitting		
Mode	Keeping T	Transmitting	Te	est Voltage	DC3.7V		
Temperature	24 d	leg. C,]	Humidity	56% RH		
Test Result:	Pass			Detector	PK		
20dB Bandwidth	2.295MHz						
(F)	Marker 1	RBW	100 kHz	z RF Att	20 dB		
Ref Lvl	ndB	20.00 dB	VBW	300 kHz			
10 dBm	BW 2.2	29458918 MHz	SWT	5 ms	Unit	dBm	
				V 1 [T1] -1	.17 dBm	
0		<u>1</u>			2.47939		
0		\wedge		ndB	20	.00 dB	
			\	BW	2.29458 [T1] -21	918 MHz .48 dBm	
-10	4		\vee	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2.47887	275 GHz	
	TA			$\nabla_{\mathbf{T}} 2$	[<u>T</u> 1] -21	.24 dBm	
-20 1MAX	, J				2.48116	733 GHz 1MA	
	/ /						
-30	~~~~				W. more	M	
-40						The same	
-50							
-60							
-70							
-80							
-90 Center 2.	500 k	Hz/		Spa	ın 5 MHz		
Date: 30	.MAR.2022 10:1	4:45					

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Date: 2022-03-30

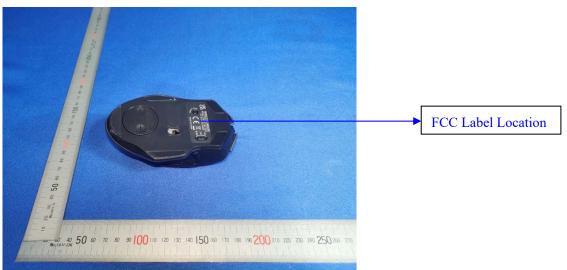


10.0 FCC ID Label

FCC ID: TUVDS-2879

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



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11.0 Photo of testing

11.1 Conducted test View--

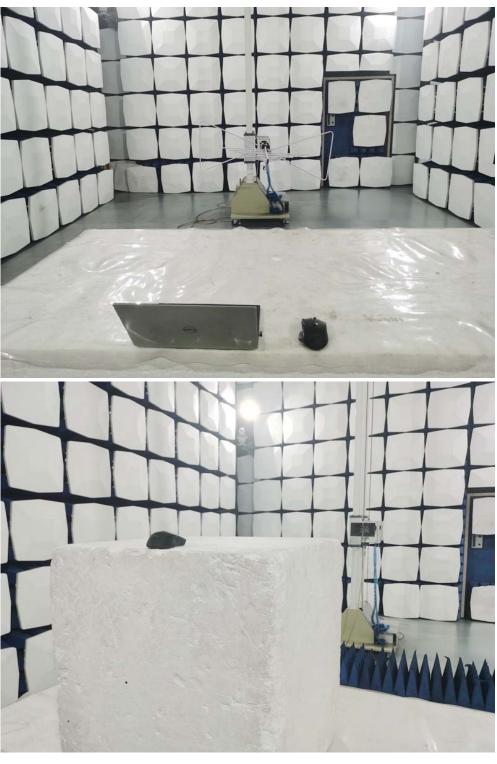


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Radiated emission test view



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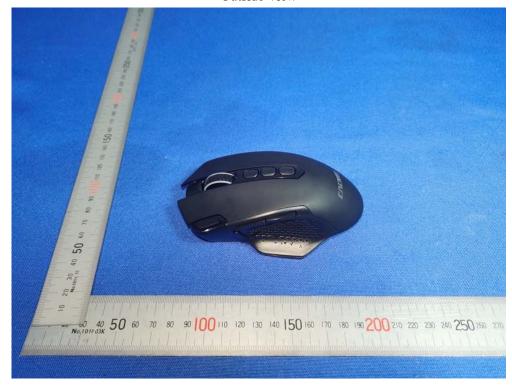
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11.2 Photographs - EUT

Outside View



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Outside View



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Outside View



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Inside view



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adopt any other remedies which may be appropriate.

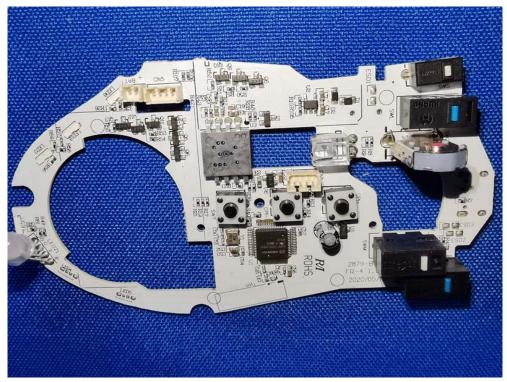
Report No.: TW2203099E

Date: 2022-03-30





Inside view



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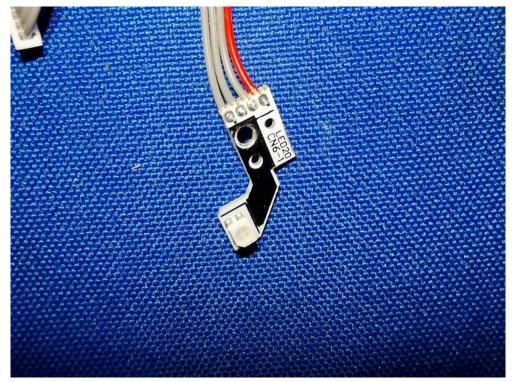
Report No.: TW2203099E

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Inside view



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

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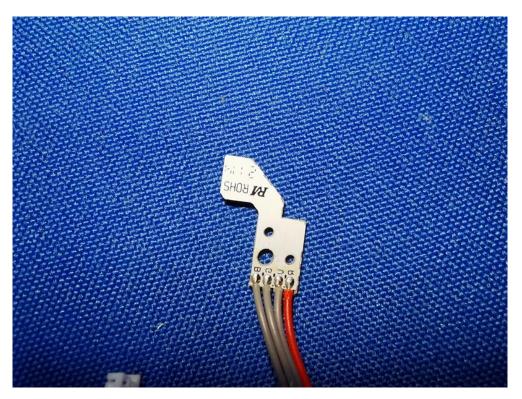
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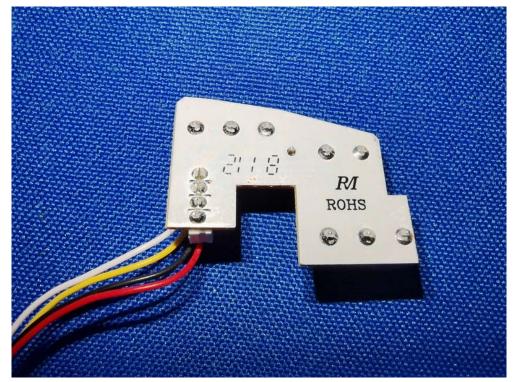
Report No.: TW2203099E

Date: 2022-03-30





Inside view



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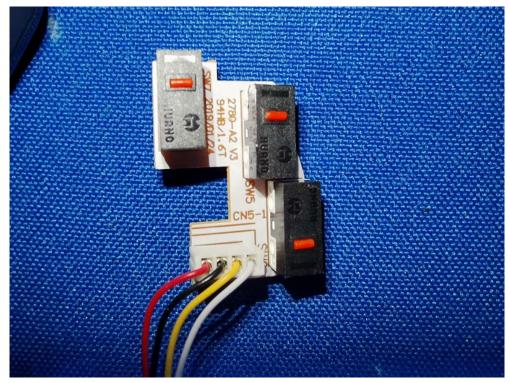
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-- End of the report--