



File reference No.: 2022-03-30

Applicant: Eastern Times Technology Co.,Ltd

Product: Wireless Optical Mouse

Model No.: GFT-M009, DS-2596, M009

Trademark: GOFREETECH

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: 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 withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com

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Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 744189

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

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

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

A2LA (Certification Number:5013.01)

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

Date: 2022-03-30



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 Optical Mouse

Manufacturer: Eastern Times Technology Co.,Ltd

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

Dongguan City, Guangdong, China.

Trademark: GOFREETECH

Model Number: GFT-M009

Additional Model Name DS-2596, M009
Rating: DC1.5V, 6.5mA
Battery 1pc AA battery

Modulation Type: GFSK

Operation Frequency: 2408-2474MHz

Channel Number: 34
Channel Separation: 2MHz
Hardware Version: M-V1
Software Version: M-0.10

Serial No.: GFTM009BL180500318

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

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1.4 Submitted Sample: 1 Sample

1.5 Test Duration

2022-03-07 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	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		2021-06-18	2022-06-17
RF Cable	Zhengdi	7m		2021-06-18	2022-06-17
RF Switch	EM	EMSW18	060391	2021-06-18	2022-06-17
Pre-Amplifier	Schwarebeck	BBV9743	#218	2021-06-18	2022-06-17
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2021-06-18	2022-06-17
LISN	SCHAFFNER	NNB42	00012	2022-01-05	2023-01-04

2.2 Automation Test Software

For Conducted Emission Test

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

For Radiated Emissions

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

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3.0 Technical Details

3.1 Summary of test results

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies
FCC Part 15, Paragraph 15.207	Conducted Emission Test	N/A	N/A
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	Pass	Complies
FCC Part 15, Paragraph 15.209 and RSS-210	Radiated Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	Pass	Complies

3.2 Test Standards

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

4.0 EUT Modification

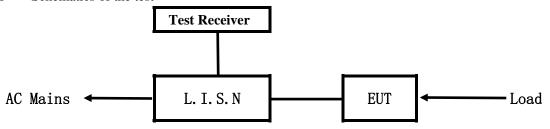
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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5. Power Line Conducted Emission Test

5.1 Schematics of the test

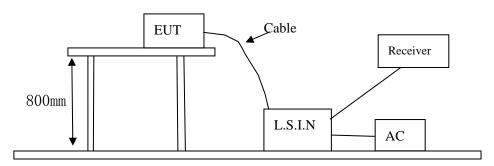


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.4-2014. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.4 –2014.

Block diagram of Test setup



5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.4-2014. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

34 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID
Wireless Optical Mouse	Eastern Times Technology Co.,Ltd	GFT-M009, DS-2596, M009	TUVDS-2596

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
N/A			

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.4 -2014

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

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency	Limits (dB µ V)			
(MHz)	Quasi-peak Level	Average Level		
$0.15 \sim 0.50$	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:

N/A

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

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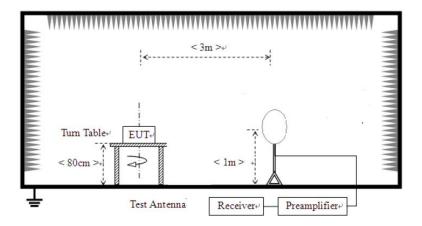


6 Radiated Emission Test

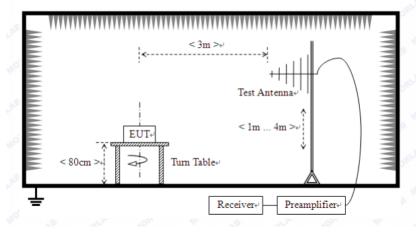
- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size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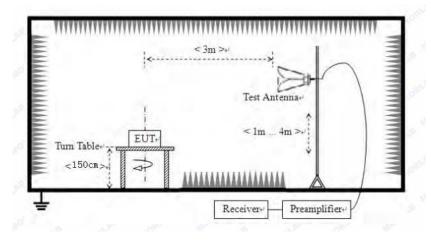
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For radiated emissions above 1GHz



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

Note:

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

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

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. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.
- 5. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.
- 6. For radiated emissions from 9kHz to 30MHz, the emission level is much less than the limit for more than 20dB. No necessary to take down the record.
- 7. New Battery used charged during tests.

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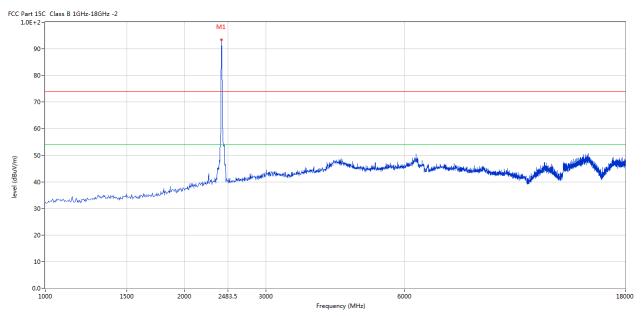


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2408MHz

Horizontal



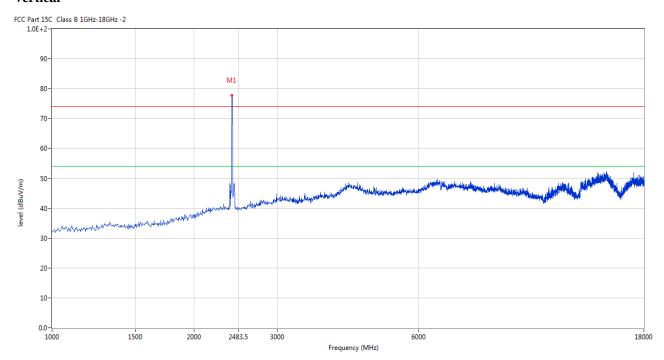
No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2408.622	93.39	-3.57	114.0	-20.61	Peak	184.00	100	Horizontal	Pass
1*	2408.622	82.97	-3.57	94.0	-11.03	AV	184.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2408.622	77.98	-3.57	114.0	-36.02	Peak	297.00	100	Vertical	Pass

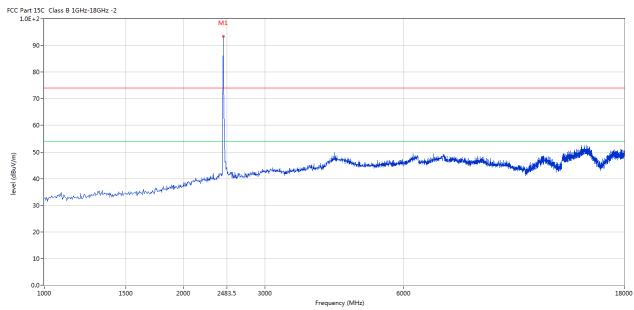
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Please refer to the following test plots for details: Middle Channel-2440MHz

Horizontal



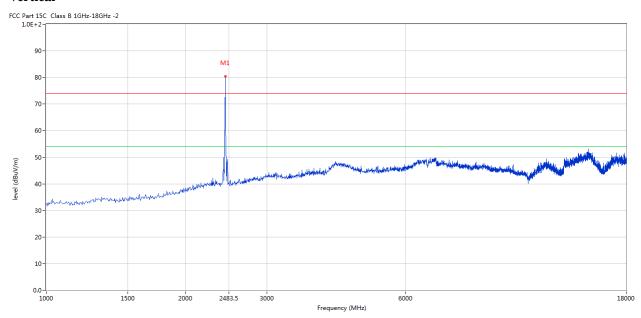
No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2440.580	93.49	-3.57	114.0	-20.51	Peak	199.00	100	Horizontal	Pass
1*	2440.580	84.05	-3.57	94.0	-9.95	AV	199.00	100	Horizontal	Pass

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Vertical



N	. Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440.580	80.44	-3.57	114.0	-33.56	Peak	307.00	100	Vertical	Pass

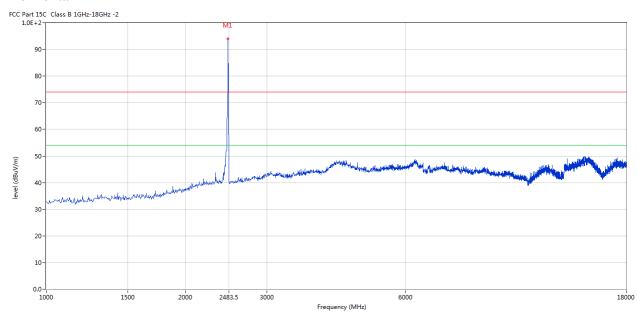
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Please refer to the following test plots for details: High Channel-2474MHz

Horizontal



No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2474.590	94.36	-3.57	114.0	-19.64	Peak	181.00	100	Horizontal	Pass
1*	2474.590	85.27	-3.57	94.0	-8.73	AV	181.00	100	Horizontal	Pass

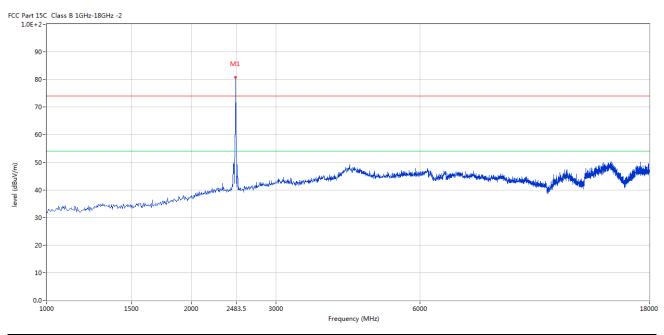
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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2474.590	80.55	-3.57	114.0	-33.45	Peak	310.00	100	Vertical	Pass

Note: (2) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier

- (3)Margin=Emission-Limits
- (4)According to section 15.35(b), the peak limit is 20dB higher than the average limit
- (5) For test purpose, keep EUT continuous transmitting
- (5) For emission above 18GHz and Below 30MHz, It is only the floor noise. No necessary to take down.
- (6) the measured PK value less than the AV limit.

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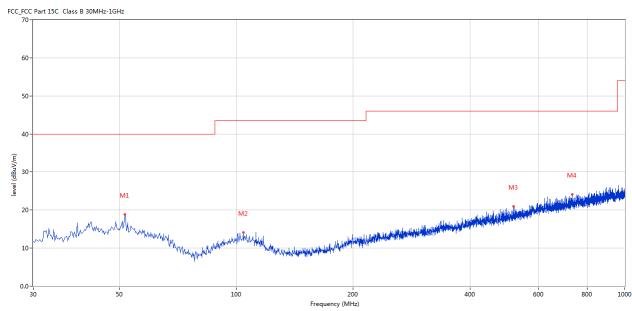


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	51.577	18.82	-11.41	40.0	-21.18	Peak	338.00	100	Horizontal	Pass
2	104.186	14.06	-13.30	43.5	-29.44	Peak	322.00	100	Horizontal	Pass
3	517.061	21.02	-6.71	46.0	-24.98	Peak	0.00	100	Horizontal	Pass
4	732.832	24.10	-3.61	46.0	-21.90	Peak	101.00	100	Horizontal	Pass

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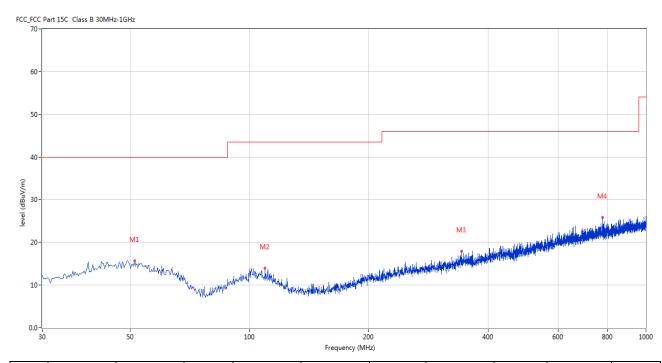


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	51.335	15.66	-11.41	40.0	-24.34	Peak	153.00	100	Vertical	Pass
2	109.520	14.00	-13.59	43.5	-29.50	Peak	208.00	100	Vertical	Pass
3	342.262	17.91	-9.70	46.0	-28.09	Peak	78.00	100	Vertical	Pass
4	777.441	25.82	-3.11	46.0	-20.18	Peak	352.00	100	Vertical	Pass

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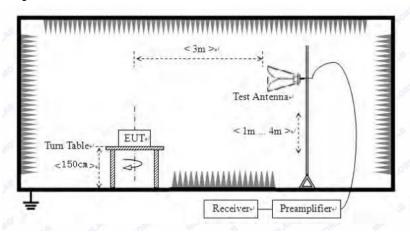


7. Band Edge

7.1 Test Method and test Procedure:

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

7. 2 Radiated Test Setup



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

7.3 Configuration of The EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

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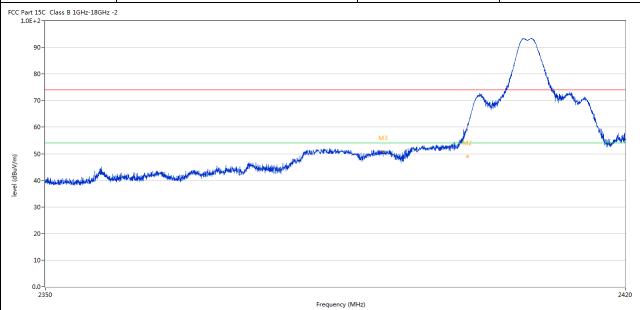
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7.6 Test Result

Product:	Wireless Optical Mouse	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC1.5V
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	2407.526	93.36	-3.57	74.0	19.36	Peak	188.00	100	Horizontal	N/A
2	2400.790	59.29	-3.57	74.0	-14.71	Peak	178.00	100	Horizontal	Pass
2**	2400.790	48.96	-3.57	54.0	-5.04	AV	178.00	100	Horizontal	Pass
3	2390.607	50.82	-3.53	74.0	-23.18	Peak	203.00	100	Horizontal	Pass

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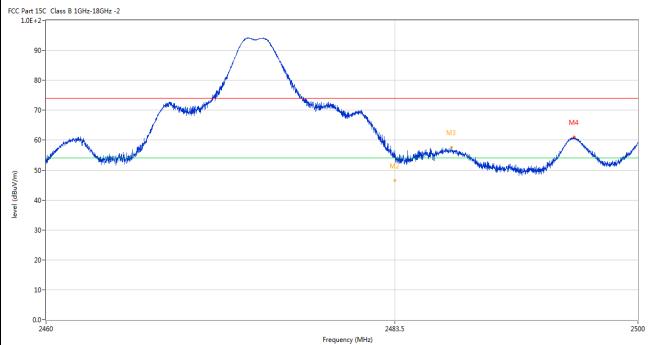
J	Product:	W	ireless Opti	ical Mouse		Detecto	or	7	/ertical	
	Mode	K	Leeping Tra	nsmitting		Test Volt	age	Г	C1.5V	
Te	mperature		24 deg	<u>;. С,</u>		Humidi	ty	5	6% RH	
Te	est Result:		Pas	S						
2 Part 1	15C Class B 1GHz-18GHz	-2								
9i 8i 7i	10-									
_	60-						/**Nu _{NN}			
-			er kan kate khake ang pendikan pendipa	W. W	МЗ	Maritim Marian	M2		N _m	Lucion Miles
4	O-Adriboursthildson of the April 19	فاسيمهم فسيؤيفه المحاد فليمت لفعين عفات البرط الاما	144 - 444 - 44							in .
3	Ad with the financial property of monetic from the and other	والمرابعة والمتعادية والمتعادية والمتعادية والمتعادية والمتعادة والمتعادية والمتعادة والمتعادية وال								
3	Ad with the financial property of monetic from the and other	મ્યાફ કરાન્યાં હાર્યું હતું અને અન્યોગ કે મેનું ને અહું તેના તું હતું કરે છે.								
2	0-	فالمتابعة والمتابعة								
2	0-	ntipani-uittavani-uusiki kid kaaisini, yaret								
3 · 2 · 1 · 0 · ·	0-	ntipani-uitteenenisteelikkintipani-ti		Fre	equency (MHz)					2420
3 · 2 · 1 · 0 · ·	00-	Results	Factor	Fre Limit	equency (MHz) Over Limit	Detector	Table	Height	ANT	2420 Verd
3 2 1 0.	0-0-0-2350		Factor (dB)	1	1	Detector	Table (o)	Height (cm)	ANT	ı

No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2408.470	77.94	-3.57	74.0	3.94	Peak	311.00	100	Vertical	N/A
2	2400.492	43.51	-3.57	74.0	-30.49	Peak	296.00	100	Vertical	Pass
3	2390.712	42.01	-3.53	74.0	-31.99	Peak	225.00	100	Vertical	Pass

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Product:	Wireless Optical Mouse	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC1.5V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



(dBuV/m) 597 94.27 494 56.64	(dB) -3.57	(dBuV/m) 74.0	(dB)			(cm)		
	-3.57	74.0					l	
194 56 64			20.27	Peak	180.00	100	Horizontal	N/A
30.04	-3.57	74.0	-17.36	Peak	190.00	100	Horizontal	Pass
46.54	-3.57	54.0	-7.46	AV	190.00	100	Horizontal	Pass
343 57.57	-3.57	74.0	-16.43	Peak	204.00	100	Horizontal	Pass
343 48.32	-3.57	54.0	-5.68	AV	204.00	100	Horizontal	Pass
60.98	-3.57	74.0	-13.02	Peak	200.00	100	Horizontal	Pass
541 51.06	-3.57	54.0	-2.94	AV	200.00	100	Horizontal	Pass
59.06	-3.57	74.0	-14.94	Peak	200.00	100	Horizontal	Pass
000 49.87	-3.57	54.0	-4.13	AV	200.00	100	Horizontal	Pass
1	46.54 343 57.57 343 48.32 341 60.98 341 51.06 300 59.06	494 46.54 -3.57 343 57.57 -3.57 343 48.32 -3.57 341 60.98 -3.57 341 51.06 -3.57 300 59.06 -3.57	494 46.54 -3.57 54.0 343 57.57 -3.57 74.0 343 48.32 -3.57 54.0 641 60.98 -3.57 74.0 641 51.06 -3.57 54.0 000 59.06 -3.57 74.0	494 46.54 -3.57 54.0 -7.46 343 57.57 -3.57 74.0 -16.43 343 48.32 -3.57 54.0 -5.68 641 60.98 -3.57 74.0 -13.02 641 51.06 -3.57 54.0 -2.94 000 59.06 -3.57 74.0 -14.94	494 46.54 -3.57 54.0 -7.46 AV 343 57.57 -3.57 74.0 -16.43 Peak 343 48.32 -3.57 54.0 -5.68 AV 341 60.98 -3.57 74.0 -13.02 Peak 341 51.06 -3.57 54.0 -2.94 AV 300 59.06 -3.57 74.0 -14.94 Peak	494 46.54 -3.57 54.0 -7.46 AV 190.00 343 57.57 -3.57 74.0 -16.43 Peak 204.00 343 48.32 -3.57 54.0 -5.68 AV 204.00 641 60.98 -3.57 74.0 -13.02 Peak 200.00 641 51.06 -3.57 54.0 -2.94 AV 200.00 000 59.06 -3.57 74.0 -14.94 Peak 200.00	494 46.54 -3.57 54.0 -7.46 AV 190.00 100 343 57.57 -3.57 74.0 -16.43 Peak 204.00 100 343 48.32 -3.57 54.0 -5.68 AV 204.00 100 641 60.98 -3.57 74.0 -13.02 Peak 200.00 100 641 51.06 -3.57 54.0 -2.94 AV 200.00 100 000 59.06 -3.57 74.0 -14.94 Peak 200.00 100	494 46.54 -3.57 54.0 -7.46 AV 190.00 100 Horizontal 343 57.57 -3.57 74.0 -16.43 Peak 204.00 100 Horizontal 343 48.32 -3.57 54.0 -5.68 AV 204.00 100 Horizontal 641 60.98 -3.57 74.0 -13.02 Peak 200.00 100 Horizontal 641 51.06 -3.57 54.0 -2.94 AV 200.00 100 Horizontal 000 59.06 -3.57 74.0 -14.94 Peak 200.00 100 Horizontal

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F	Product:	1					Detector		Vertical	
	Mode	Mode Keeping Transmitting				Test Voltage		age	DC1.5V 56% RH 	
Ter	mperature		24 deg. C, Pass				Humidity 			
Te	st Result:									
Part 15	5C Class B 1GHz-18GHz	-2								
90										
90	7-									
80)-									
70)-			-						
			,	N.						
60)-	والمتحارفين	. Lidan dipandipandira	* New York Charles	Maria and a second					
			high the state of	None Happing	M2				. who	
)-	a deside de la constitución de l	the transfer to the same of th	- Maria Land	M2	الاطبقط فأعطوه إنبأت عريا فيدمون ومنهور	Andreas Strain Williams Inc.	internal transmission is believed		ho by Tarke or many
)-	A played and the second	helder grander of the second o	* Managhilana	M2	الاطباط وأعطاب أواجا والمتعاضع المتعاضع المتعاضع المتعاضع المتعاضع المتعاضع المتعاضع المتعاضع المتعاضع المتعاضع	A condession of the condession	ookseelle talaasijin plaksimine	The second secon	ha key
50) -	A property of the second	this was a second	- Marie Mari	M2	profite of the second s	h-an-dology-aid-plantachileann	oodseendheidende stellen de	particular de la constitución de	artifusion.
50 40	D-	a phaseland but a	trinoproduce .	- Constitution	M2	إيطيقي أعليه أبأه عياضاه يور	h-andregoid phirately learn	orismalfulancisia disProporti	A Company of the Comp	artife and a second
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50 40 30 20 10	De January Control of the Control of	Results	Factor	Fr. Limit	2483.		Table	Height	ANT	ı
500 400 300 200 100 0.0.0 2)	Results (dBuV/m)	Factor (dB)	1	2483.: equency (MHz)	5		Height (cm)	ANT	ı
500 400 300 200 100 0.0.0 2	Frequency			Limit	2483.: equency (MHz)	5	Table	_	ANT	2500 Verdid

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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9.0 20dB Bandwidtl	h Measurement					
Product:	Wireless Optica	al Mouse	Test Mode:	Keep transmitting		
Mode	Keeping Trans	ng Transmitting Test Voltage DC1.5V		.5V		
Temperature	24 deg. (Ξ,	Humidity	56%	RH	
Test Result:	Pass		Detector	P	K	
20dB Bandwidth	Bandwidth 2.355MHz		-	-		
Ŕ	Marker 1 [T1	ndB] R	BW 100 kH	Iz RF Att	20 dB	
Ref Lvl			BW 300 kF			
10 dBm	BW 2.35470	0942 MHz S	WT 5 ms	s Unit	dBm	
10			v ₁	[T1] -:	3.76 dBm	
				2.40863		
0			1 ndB	20	0.00 dB	
			BW ▼ _{T1}	2.35470 [T1] -24	942 MHz 4.15 dBm	
-10				2.40693		
	January 1		P.T.	↑ [T1] -2:		
-20	T			T2 2.40926		
1MAX	/				1MA	
-30				\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	/^\	
ممر	a and			Manual Ma	my .	
-40						
-50						
-60						
-70						
-80						
-90						
Center 2.	408 GHz	500 kHz/	<u> </u>	Spa	an 5 MHz	
Date: 28.	MAR.2022 10:11:43	1				
20.	10.11.40					

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Product:	Wireless Optical Mouse			Γ	Test Mode:		Keep transmitting		
Mode	Keeping Transmitting			Test Voltage			DC1.5V		
Temperature	24 deg. C,				Humidity		56% RH		
Test Result:	Pass				Detector		PK		
20dB Bandwidth	2.335MHz								
Ŕ	Marker	1 [T1 ndB]	F	RBW	100 k	Hz R	F Att	20 dB	
Ref Lvl	ndB	20.00 dE		/BW	300 k				
10 dBm	BW 2	2.33466934 MF	IZ S	SWT	5 m	ıs U	nit	dBm	
10					v ₁	[T1]	- 4	.85 dBm	A
							2.44056	613 GHz	
0					1 ndF	8	20	.00 dB	
			_	/	BW ∇_{T}	[T1]	2.33466	934 MHz	
-10			- 	J			2.43891		
					V-T2	2_[T1]	-24	.79 dBm	
-20	T1/	/ W			\ 	Т2	2.44124	749 GHz	
1MAX	7					7			1MA
-30						4		\wedge	
and the second	and and						www	- Congression	
-40								\t	
-50									
-60									
-70									
-80									
-90									
Center 2.	44 GHz	50	0 kHz/	,			Spa	n 5 MHz	
Date: 28	.MAR.2022 10	:23:11							

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Product:	Wireless Optical Mouse			est Mode:	Keep transmitting					
Mode	Keeping Transmitting			st Voltage	DC1.5V					
Temperature	24 d	Н	Iumidity	56% RH						
Test Result:	Pa	ass	Ι	Detector	PK			PK		
20dB Bandwidth	2.295	5MHz								
Ref Lvl	Marker 1	[T1 ndB] 20.00 dB	RBW VBW	100 kHz 300 kHz		20 dB				
10 dBm		20.00 dB 19458918 MHz	SWT	5 ms	Unit	dBm				
10				▼ 1 [1	71] -4	.43 dBm	A			
0					2.47458	617 GHz	A			
		~		1 ndB BW	2.29458	.00 dB 918 MHz				
-10				V _{T1}	T11 -24	.18 dBm				
		January January		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2.47293 [T1] -24	287 GHz .59 dBm				
-20	T1				72 2.47522 V	745 GHz	1MA			
-30										
, when	The war was a second				Lawrence					
-40						, , ,				
-50										
-60										
-70										
-80										
-90										
Center 2	.474 GHz	500 k	Hz/		Spa	n 5 MHz				
Date: 28	3.MAR.2022 10:2	5:17								

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Date: 2022-03-30

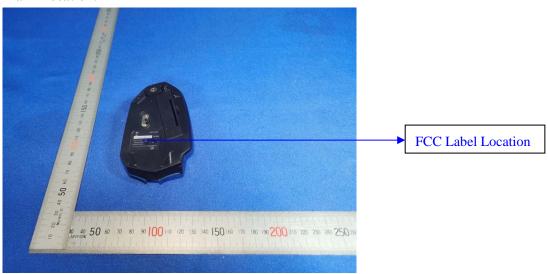


10.0 FCC ID Label

FCC ID: TUVDS-2596

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:



Date: 2022-03-30



11.0 Photo of testing

11.1 Conducted test View-N/A

Radiated emission test view





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Date: 2022-03-30



11.2 Photographs-EUT

Outside View



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Outside View





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Outside View



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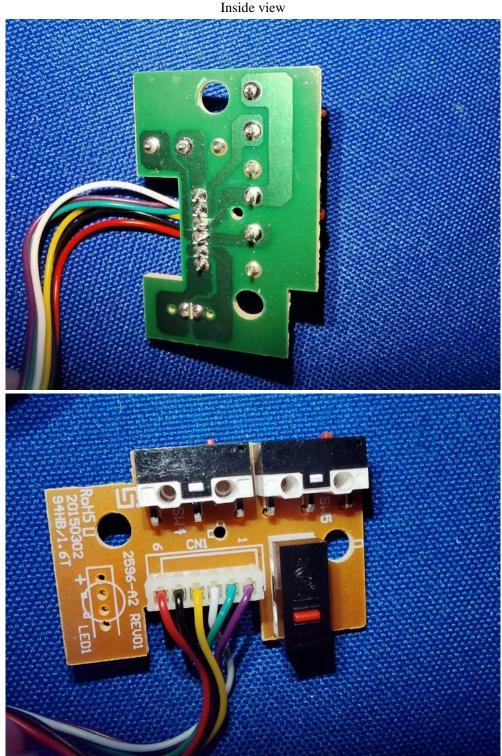
adopt any other remedies which may be appropriate.

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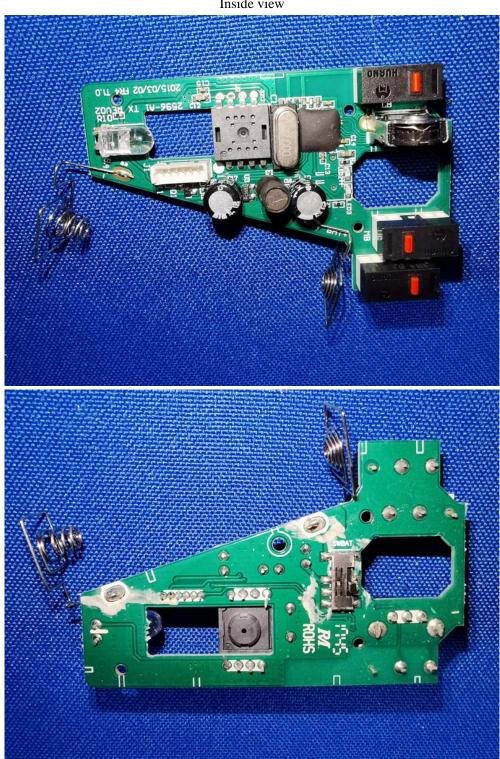
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Inside view



-- End of the report--

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