

Report No.: TW2304225-02E

Applicant: Shenzhen Star Sources Electronic Technology Co., Ltd.

Product: Wireless Mouse

Model No.: ST-308

Trademark: N/A

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

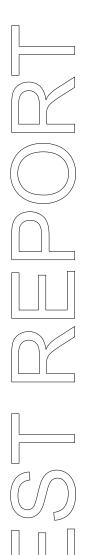
Dated: May 13, 2023

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

SHENZHEN TIMEWAY TESTING LABORATORIES

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

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



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Special Statement:

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

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

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

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 744189

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

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

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

A2LA (Certification Number:5013.01)

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

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10.0



Test Report Conclusion

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FCC ID Label.... 11.0 Photo of Test Setup and EUT View....

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1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le

Village, Nanshan District, Shenzhen, China

Telephone: (755) 83448688 Fax: (755) 83442996

Site on File with the Federal Communications Commission – United Sates

Registration Number: 744189 For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: Shenzhen Star Sources Electronic Technology Co., Ltd.

Address: Room 2102, Block 1st, Yi Luan Building, Xixiang Road 230, BaoAn District, Shenzhen, China

Telephone: +86-755-86397260 Fax: +86-755-26609516

1.3 Description of EUT

Product: Wireless Mouse

Manufacturer: Shenzhen Star Sources Electronic Technology Co., Ltd.

Address: Room 2102, Block 1st, Yi Luan Building, Xixiang Road 230, BaoAn District,

Shenzhen, China

Trademark: N/A
Additional Trademark: N/A
Model Number: ST-308
Additional Model Name N/A
Rating: DC1.5V

Battery: 1pc 1.5V AA battery

Modulation Type: GFSK (Bluetooth Low Energy)

Operation Frequency: 2402-2480MHz

Channel Separate: 2MHz Channel Number: 40

Hardware Version: BYKC-MM192-6621D-QFN-V1-A/B

Software Version: cfg 192MS61WB 122032 cv29 av045 v003

Serial No.: 17607LW100001

Antenna Designation PCB antenna with gain -4.62dBi Max (Get from the antenna test report)

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1.4 Submitted Sample: 1 Sample

1.5 Test Duration

2023-04-18 to 2023-05-13

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

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	2022-07-15	2023-07-14
LISN	R&S	EZH3-Z5	100294	2022-07-18	2023-07-17
LISN	R&S	EZH3-Z5	100253	2022-07-18	2023-07-17
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2022-07-18	2023-07-17
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2022-07-15	2023-07-14
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	2022-07-18	2023-07-17
Power sensor	Anritsu	MA2491A	32263	2022-07-18	2023-07-17
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	2022-07-15	2023-07-14
EMI Test Receiver	RS	ESCS 30	834115/006	2022-07-15	2023-07-14
Spectrum	HP/Agilent	E4407B	MY50441392	2022-07-15	2023-07-14
Spectrum	RS	FSP	1164.4391.38	2022-07-15	2023-07-14
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2022-07-15	2023-07-14
RF Cable	Zhengdi	7m		2022-07-15	2023-07-14
Pre-Amplifier	Schwarebeck	BBV9743	#218	2022-07-15	2023-07-14
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2022-07-15	2023-07-14
LISN	SCHAFFNER	NNB42	00012	2022-08-18	2023-07-17
ESPI Test Receiver	R&S	ESPI 3	100379	2022-07-15	2023-07-14
LISN	R&S	EZH3-Z5	100294	2022-07-18	2023-07-17

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	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

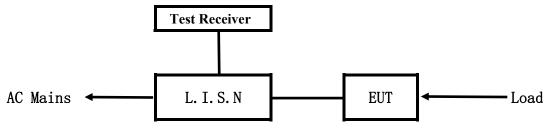
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5. Power Line Conducted Emission Test

5.1 Schematics of the test



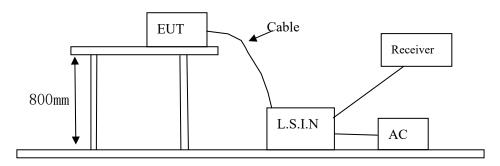
EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10-2013.

Test Voltage: N/A

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.

40 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID
	Shenzhen Star Sources		
Wireless Mouse	Electronic Technology Co.,	ST-308	ZJEST-308
	Ltd.		

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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 C63.10-2013

- 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	lB μ V)
(MHz)	Quasi-peak Level	Average Level
0.15 ~ 0.50	66.0~56.0*	56.0~46.0*
0.50 ~ 5.00	56.0	46.0
$5.00 \sim 30.00$	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:

N/A

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

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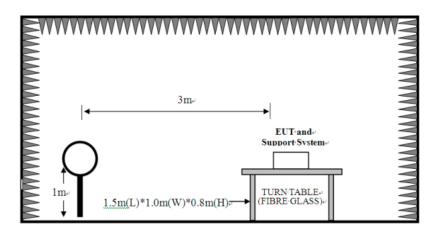


6 Radiated Emission Test

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

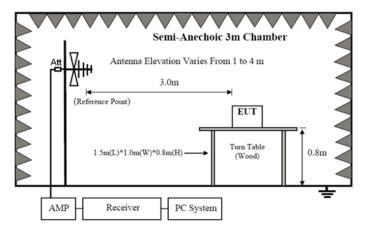


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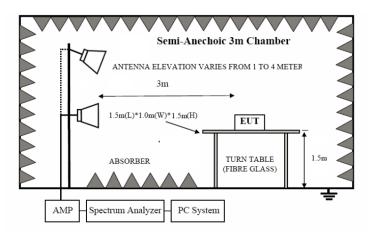
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For radiated emissions from 30MHz to1GHz



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	ength of Fundame	ental (3m)	Field S	trength of Harmo	onics (3m)
(MHz)	mV/m	V/m dBuV/m uV/m dBuV/m			V/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.

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
30-88	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. New battery was used during tests.

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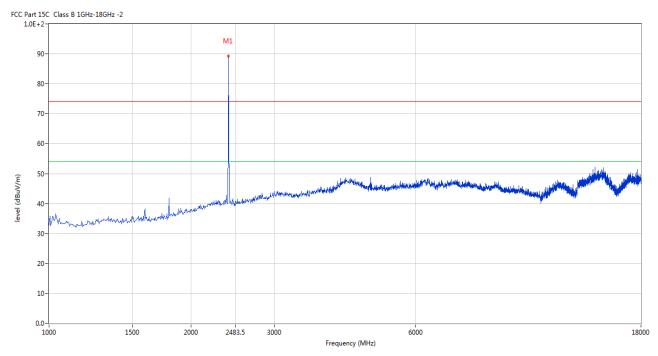


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



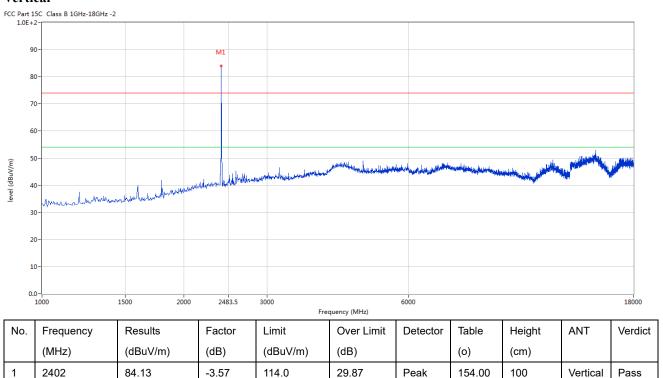
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	89.45	-3.57	114.0	-24.55	Peak	144.00	100	Horizontal	Pass

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Vertical



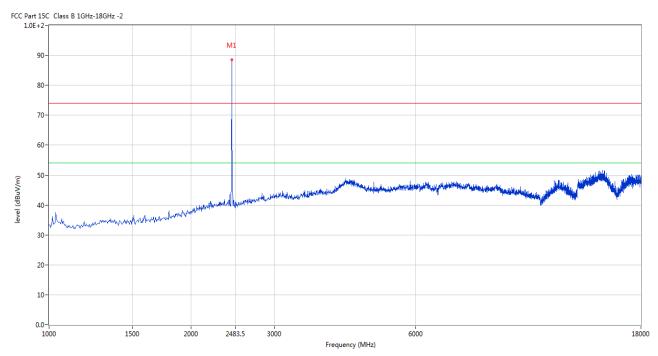
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Please refer to the following test plots for details: Middle Channel-2440MHz

Horizontal



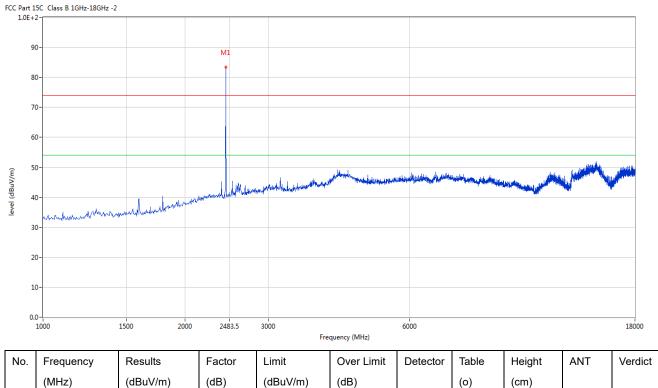
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440	88.48	-3.57	114.0	-25.52	Peak	192.00	100	Horizontal	Pass

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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	83.34	-3.57	114.0	-30.66	Peak	149.00	100	Vertical	Pass

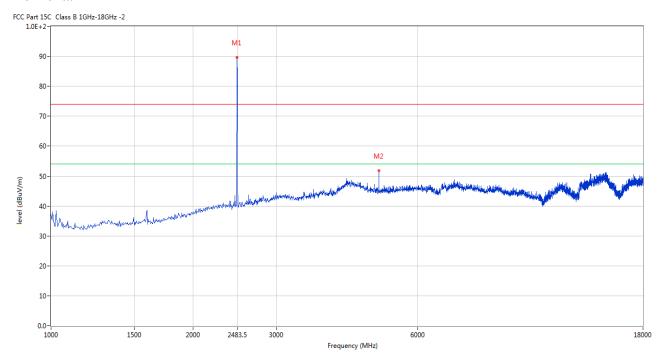
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	89.62	-3.57	114.0	-24.38	Peak	118.00	100	Horizontal	Pass
2	4960.010	51.71	3.36	74.0	-22.29	Peak	197.00	100	Horizontal	Pass

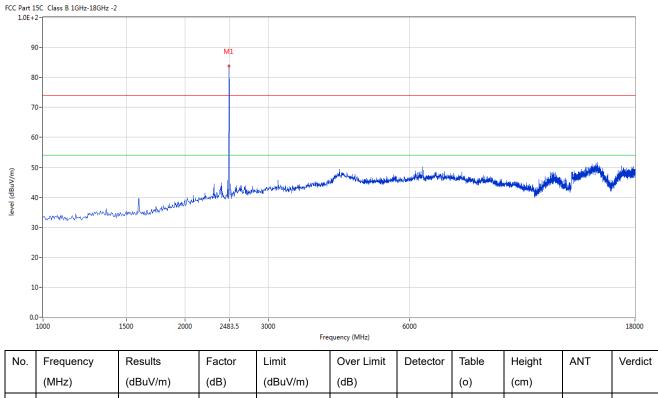
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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	83.76	-3.57	114.0	-30.24	Peak	167.00	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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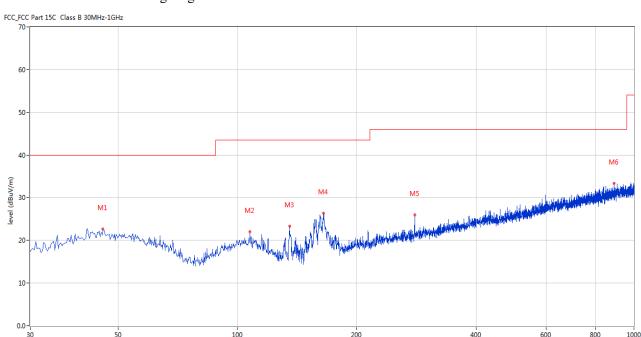


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

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	45.759	22.74	-11.40	40.0	-17.26	Peak	158.00	100	Horizontal	Pass
2	107.581	22.01	-13.40	43.5	-21.49	Peak	41.00	100	Horizontal	Pass
3	135.219	23.38	-17.16	43.5	-20.12	Peak	34.00	100	Horizontal	Pass
4	164.554	26.36	-16.25	43.5	-17.14	Peak	0.00	100	Horizontal	Pass
5	279.713	25.93	-11.51	46.0	-20.07	Peak	249.00	100	Horizontal	Pass
6	891.145	33.32	-1.92	46.0	-12.68	Peak	182.00	100	Horizontal	Pass

Frequency (MHz)

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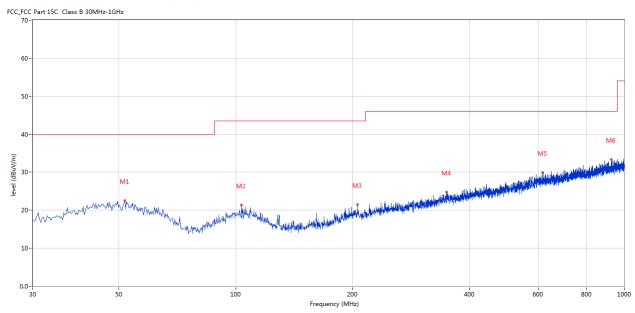


Radiated Emission In Vertical (30MHz----1000MHz)

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	51.820	22.49	-11.42	40.0	-17.51	Peak	300.00	100	Vertical	Pass
2	103.459	21.35	-13.36	43.5	-22.15	Peak	8.00	100	Vertical	Pass
3	206.011	21.52	-13.64	43.5	-21.98	Peak	32.00	100	Vertical	Pass
4	349.293	24.83	-9.41	46.0	-21.17	Peak	269.00	100	Vertical	Pass
5	616.218	29.91	-5.09	46.0	-16.09	Peak	118.00	100	Vertical	Pass
6	926.056	33.33	-1.64	46.0	-12.67	Peak	232.00	100	Vertical	Pass

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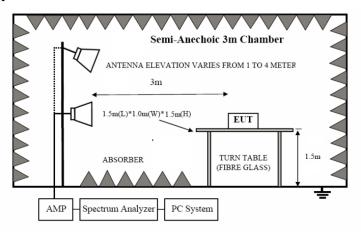


7. Band Edge

7.1 Test Method and test Procedure:

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

7. 2 Radiated Test Setup



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

7.3 Configuration of the EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

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

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

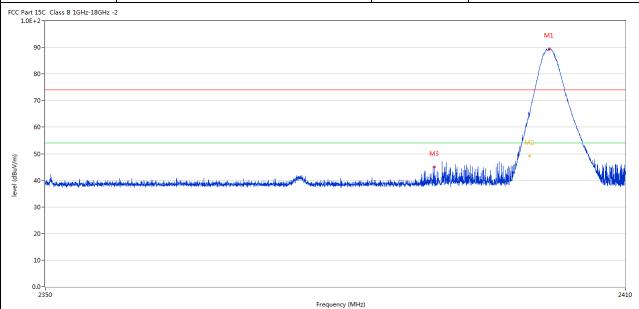
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7.6 Test Result

Product:	Wireless 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	2402.037	89.44	-3.57	74.0	15.44	Peak	143.00	100	Horizontal	N/A
2	2400.012	64.97	-3.57	74.0	-9.03	Peak	153.00	100	Horizontal	Pass
2**	2400.012	49.10	-3.57	54.0	-4.90	AV	153.00	100	Horizontal	Pass
3	2390.115	45.10	-3.53	74.0	-28.90	Peak	0.00	100	Horizontal	Pass

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I	Product:		Wireless	s Mouse		Detecto	or	V	ertical	
	Mode]	Keeping Ti	ansmitting		Test Volt	age	D	C1.5V	
Te	mperature		24 de	eg. C,		Humidi	ty	56	5% RH	
Te	st Result:		Pa	ss						
Part 1 1.0E+2	5C Class B 1GHz-18GHz -	2								
9(0-									
								M1	`	
80	0-									
70	0-								$\overline{}$	
_	0-								\	
60								- /	\	
_		ca carner santi Micca	ana azada la magni de	Lahtaningana	رند المارية	M3		M2		niáll ata
	D-konstruktisklyrson, kalifillisklipskiskli	irat, mitselijks suksprijekim, kultis og sk	diamajesidi, hidukia kundi	وزاردوا الراودات المؤونة والمادوات	Mandan ships dada bahkh	MS		M2 •	W.	
50		دريار هناييانيان براه ومؤلفات أبرأان روه	ad lancades i d'us hida de muil	سارية أواهد والمتاركة	idjundom obsejes dagellesjinskilde	M3	Adapt Albanda Ph	M2 •		
50 40 30	D-kanakatakhung tahukhikatakhi D-	içat, milisətələri yadığını kaldır. kaldış çed	deline, mije si ili salada ki ka sala	والمطاولة والمالية المالية الم	idjendos skyrdadelpolede	MS AND		M2 •		
50 40 30 20 10	D-Americal promised All Marchial Do-	irat, meta kilika sukeprikka ku ku libu a sek	dilangapat di salah di kabuda ng di	ul pulm de describe de describe de la que la constante de la constante de la constante de la constante de la c	ikinadosa maya dadda disektab	M3	Marie Valenda (m. 1844)	M2 •		4.10.1044
50 40 30 20 10	D-market shows the fill her this	irat matarlikasak prikhimbulika ra	phlancard as the highest han be now th		equency (MHz)	M3		M2		2410
50 40 30 20 10	D-Americal promised All Marchial Do-	Results	Factor		A decision of the second	Detector	Table	Height	ANT	2410
5(4) 4(4) 3(7) 2(7) 1(7)	D-4makes dipuncia hali di			Fre	equency (MHz)	Detector	Table (o)			2410
5(4) 4(4) 3(7) 2(7) 1(7)	p- p- p- p- p- p- p- p- p- p- p- p- p- p	Results	Factor	Fro	equency (MHz) Over Limit	Detector Peak		Height		2410
5(4) 4(4) 3(4) 3(4) 1(4) 1(4) 1(4) 1(4) 1(4) 1(4) 1(4) 1	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	equency (MHz) Over Limit (dB)		(o)	Height (cm)	ANT	2410 Verdid
5(4) 4(3) 2(3) 1(0) 0.0	Frequency (MHz) 2401.857	Results (dBuV/m) 83.99	Factor (dB)	Limit (dBuV/m) 74.0	Over Limit (dB) 9.99	Peak	(o) 172.00	Height (cm)	ANT Vertical	verdic

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P	Product:		Wirele	ss Mouse		Pola	rity			
	Mode		Keeping 7	Transmitting		Test Vo	oltage		DC1.5V	
Ter	mperature		24 d	leg. C,		Humi	dity		56% RH	
Tes	st Result:		P	Pass						
C Part 15	5C Class B 1GHz-18GH:	z -2					•			
1.0E+2	2-									
90	0-		سهمور	Marie Marie						
80	0-									
70	0-									
	0-			1						
60			y	\						
		/	<u>/</u>		1					
	0-	and the second delication of the second	<i>y</i>	M	2			A Company of the Comp	d made the moderate and the second	ورزيره أعراب أعرابا
	0 – اعال منزوع و معالم المعارف و معارف المعارف و ا	nga maganang madalaga da Marang maganang maganang maganang maganang maganang maganang maganang maganang magana	<i>/</i>	M	2		du, dadd dd dd da, y a	d ad resident freshoren and resident	A made discharity des propriet de sector de la febr	ik ka
50 40	D - labblantinger, not like hersitelen in	inger was also make the second and t	<i>y</i>	M	2			of and stated prospering a tree	d material de la propieta de la prop	de la la la de la constante de
50 40 30 20		interpretation and the second	<i>y</i>	M	2	h. Addin. Add Ladd	du, d. dilluddidd e . i .	d al side have seen	باز چارشهای در این در این در این در ای	the late beautiful
50 40 30		nga nga disang manadalisan di dipunduk	<i>y</i>	M	2		h, kalifi da da kana	ded which quite reasons and	d militari daga fi mada samada fa	hip heja dan jer
50 40 30 20 10		ing was in the second and the second	<i>y</i>	•		h. Addito. Addito. Addito.	in it is the state of the state	d ad international constraints	nd, magadhan is ann an Aire ann an Air	dite later beauty
300 300 200 100 0.00		openiperiorymunicable send her	<i>y</i>	M				d which full constants and	d. militaria del de propie de mandre per de la propie de l	hily hiji dayahan
500 400 300 200 100 0.0.0.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2		Results	Factor	•	3.5	Detector	Table	Height	ANT	I
500 400 300 200 100 100 100 100 100 100 100 100 1	0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	The state of the s	Factor (dB)	248	3.5 Frequency (MHz)				ANT	ı
500 400 300 200 100 0.00 200 Vo.	Prequency	Results		248	3.5 Frequency (MHz)		Table	Height	ANT Horizontal	Π
300 300 200 100 0.00	Frequency (MHz)	Results (dBuV/m)	(dB)	Limit (dBuV/m)	3.5 Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)		Verdi N/A Pass

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	Product:		Wireles	s Mouse		Detecto	r	Vertical		
	Mode		Keeping T	ransmitting		Test Volta	age	D	C1.5V	
Te	emperature		24 de	eg. C,		Humidit	ty	50	6% RH	
Te	est Result:		Pa	ass						
CC Part 1.0E+	15C Class B 1GHz-18GHz	-2								
g	90-									
8	80-									
7	70-									
(60-		· f							
	50-		f	M ₂						
				M2				is and falled special pool of the last		
level (dBuV/m)	50-	No. 3. Mail de la constant de la companya de la com		M2	Annual the second secon			et out till se en trol e steel	hindre policy beautiful.	
level (dBuV/m)	40-410-410-410-410-410-410-410-410-410-4	No. 3. Mail de la la de la		M2	Acceptable and the second second			en out tilled special production in		
level (dBuV/m)	30- 20-	de a Maria de de esta de la decembra de la compansión de la compansión de la compansión de la compansión de la		M2	And the second s			the made higher special published		
level (dBuV/m)	40 - william w	de a sulla de la decida de la decida de la personario		M2		and he shall a shall a	eraka) produktak di dis	arad hiiri ya qo'da da sh		
level (dBuV/m)	30- 20-	de de side de la decida decida de la decida decida de la decida decida decida de la decida decida decida de la decida decida de la decida d		2483.	5	andoshirke (ba <mark>ndark</mark> ar	egeled Wednesdild blue	en med hilled general production in	hibblet en de	2500
level (dBuV/m)	30 - 20 -	Results	Factor	2483.: Limit		Detector	Table	Height	ANT	2500
level (dBuV/m)	30 - 20 - 10 - 2470	Results (dBuV/m)	Factor (dB)	1	5 Frequency (MHz)					Т
level (dBuV/m)	30- 20- 2470 Frequency			Limit	5 Frequency (MHz)		Table	Height		Т

Note: The PK emission level less than the AV limit. No necessary to record the AV emission level.

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8.0 Antenna Requirement

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

This product has a PCB antenna with gain -4.62dBi maximum. It fulfills the requirement of this section.

Test Result: Pass

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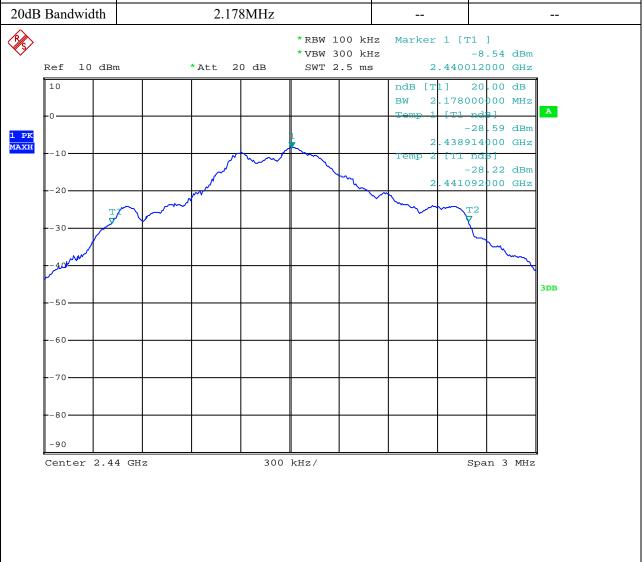
Product:		Wirele	ss Mous	se		Test M	ode:	Keep	transmitting
Mode		Keeping '	Transmi	tting		Test Vo	ltage]	DC1.5V
emperature		24 0	deg. C,			Humi	dity	5	56% RH
Test Result:		I	Pass			Detec	tor		PK
B Bandwidth		1.98	80MHz						
Ref 10 dBm	ı :	*Att 20) dB	*VBW 3	00 kHz 00 kHz	2	.402018] .56 dBm 000 GHz	
-0						ndB [T BW 1 Temp 1	.980000 [Tl nd	.00 dB 000 MHz Bl .59 dBm	A
10		ممير	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			Temp 2	.401106 [TI na -28	000 GHz B] .38 dBm	
-30	T-J^	~~			***	2	T2)00 GHz	
- Aller Market							\	~~~	
50									3DB
60									
80									
-90									
Center 2.40)2 GHz		300	kHz/			Spa	n 3 MHz	

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Product:	Wireless Mouse	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	2.178MHz		



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Product:	Wireless Mouse	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	1.998MHz		



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10.0 FCC ID Label

FCC ID: ZJEST-308

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:



11.0 Photo of testing

11.1 Conducted test View

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

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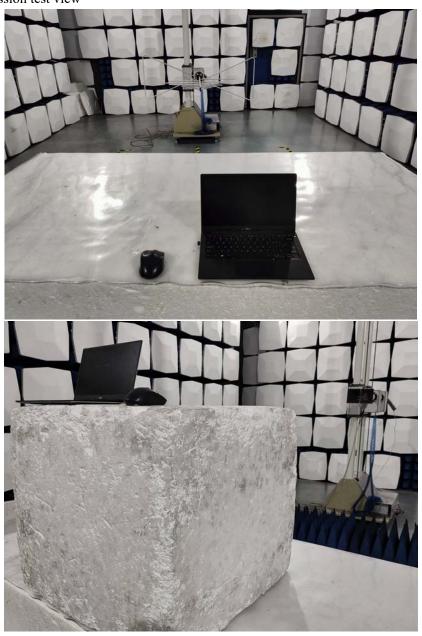
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Radiated emission test view



Photographs - EUT Please refer test report TW2304225-01E

-- End of the report--