



Report No.: FCC1905092

File reference No.: 2019-05-27

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

Product: Wireless Mouse

Model No.: BRM2030B

Brand Name: brookstone

Test Standards: FCC Part 15.249

Test result: It is herewith confirmed and found to comply with the requirements set up by ANSI C63.4&FCC Part 15 Subpart C, Paragraph 15.249 regulations for the evaluation of electromagnetic compatibility

Approved By

*Jack Chung*

Jack Chung

Manager

Dated: May 27, 2019

**Results appearing herein relate only to the sample tested**

**The technical reports is issued errors and omissions exempt and is subject to withdrawal at**

## **SHENZHEN TIMEWAY TESTING LABORATORIES**

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

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



### **Special Statement:**

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.

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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 States  
Registration Number: 744189  
For 3m Anechoic Chamber

### 1.2 Applicant Details

Applicant: Shenzhen Star Sources Electronic Technology Co., Ltd.  
Address: Room1102, Block 1st, Yi Luan Building, Xixiang Road 230, BaoAn District, Shenzhen, China  
Telephone: 0755 -86397260  
Fax: 0755-26609516

### 1.3 Description of EUT

Product: Wireless Mouse  
Manufacturer: Shenzhen Star Sources Electronic Technology Co., Ltd.  
Address: Room1102, Block 1st, Yi Luan Building, Xixiang Road 230, BaoAn District, Shenzhen, China  
Brand Name: brookstone  
Model Number: BRM2030B  
Additional Model Name N/A  
Input Voltage: DC3.7V, Li-ion battery  
Modulation Type: GFSK  
Operation Frequency 2402-2480MHz  
Channel Separation 2MHz  
Antenna Designation PCB antenna with gain 0dBi Max  
Hardware Version: V1.1  
Software Version: V2.2

### 1.4 Submitted Sample

2 Sample

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1.5 Test Duration

2019-05-20 to 2019-05-27

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

1.7 Test Engineer

*Terry Tang*

The sample tested by \_\_\_\_\_

Print Name: Terry Tang

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<b>2.0 Test Equipment</b>					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2018-06-22	2019-06-21
Ultra Broadband ANT	R&S	HL562	100157	2018-06-18	2019-06-17
Loop Antenna	EMCO	6507	00078608	2018-06-25	2019-06-24
Spectrum	R&S	FSIQ26	100292	2018-06-22	2019-06-21
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2018-06-25	2019-06-24
Horn Antenna	R&S	BBHA 9120D	9120D-631	2018-08-24	2019-08-23
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2018-07-04	2019-07-03
9*6*6 Anechoic	--	--	N/A	2018-02-07	2021-02-06
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2018-06-22	2019-06-21
Spectrum	RS	FSP	1164.4391.38	2019-01-18	2020-01-17
RF Cable	Zhengdi	ZT26-NJ-NJ-8 M/FA	--	2018-05-23	2020-05-22
RF Cable	Zhengdi	7m	--	2019-03-08	2020-03-07
RF Switch	EM	EMSW18	060391	2018-06-22	2019-06-21
Pre-Amplifier	Schwarebeck	BBV9743	#218	2018-06-22	2019-06-21
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2018-08-05	2019-08-04
DC Power Supply	Jingtong	JT12098	WYK-305	2018-08-20	2019-08-19
LISN	SCHAFFNER	NNB42	00012	2019-01-08	2020-01-07

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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 15.207	Conducted Emission Test	PASS	Complies
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	PASS	Complies
FCC Part 15, Paragraph 15.209	Radiated Emission Test	PASS	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	PASS	Complies

#### 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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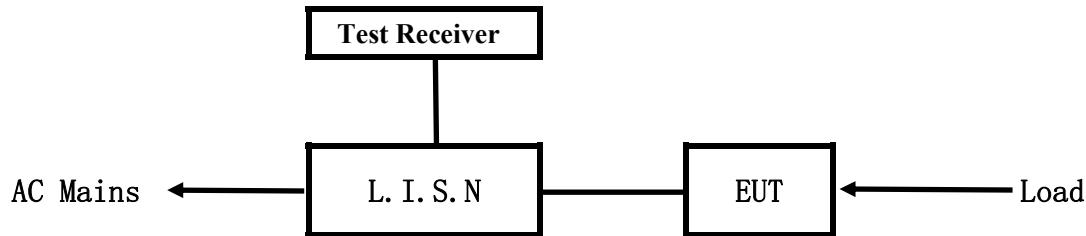
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## 5. Power Line Conducted Emission Test

### 5.1 Schematics of the test

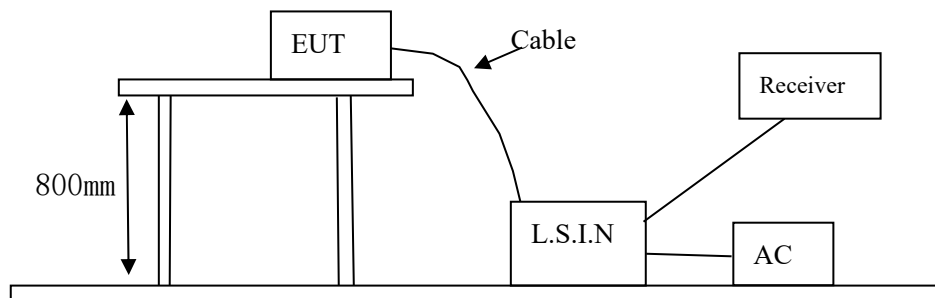


EUT: Equipment Under Test

### 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.

One channels are provided to the EUT

#### A. EUT

Device	Manufacturer	Model	FCC ID
Wireless Mouse	Shenzhen Star Sources Electronic Technology Co., Ltd.	BRM2030B	ZJEST-892

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	h.TV	S012BES0500200	Input: 100-240V~, 50/60Hz, 0.5A; 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 15.107 and 15.207

Frequency(MHz)	Class A Limits (dB $\mu$ V)		Class B Limits (dB $\mu$ V)	
	Quasi-peak Level	Average Level	Quasi-peak Level	Average Level
0.15 ~ 0.50	79.0	66.0	66.0~56.0*	56.0~46.0*
0.50 ~ 5.00	73.0	60.0	56.0	46.0
5.00 ~ 30.00	73.0	60.0	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

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

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

**EUT Operating Environment**

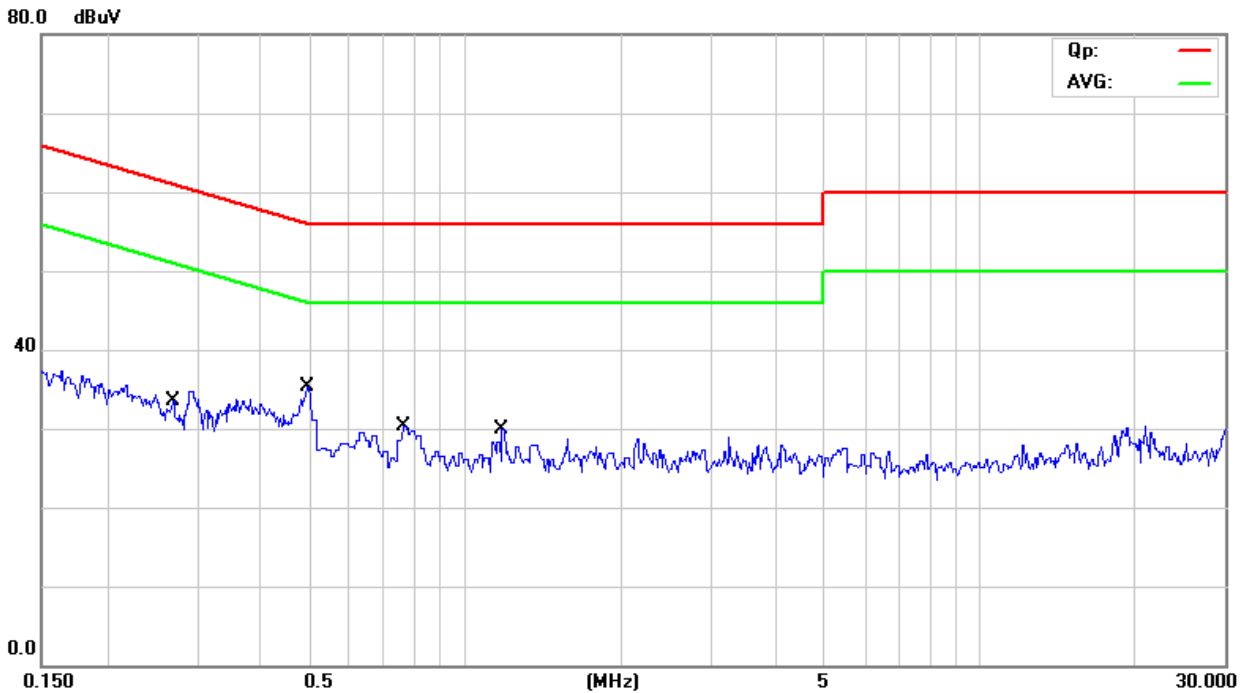
Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Keep Transmitting**

**Equipment Level: Class B**

**Results: PASS**

Please refer to following diagram for individual



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2700	10.20	9.75	19.95	61.12	-41.17	QP	
2		0.2700	-17.70	9.75	-7.95	51.12	-59.07	AVG	
3	*	0.4931	20.50	9.77	30.27	56.12	-25.85	QP	
4		0.4931	-5.40	9.77	4.37	46.12	-41.75	AVG	
5		0.7652	1.30	9.78	11.08	56.00	-44.92	QP	
6		0.7652	-27.10	9.78	-17.32	46.00	-63.32	AVG	
7		1.1828	5.50	9.79	15.29	56.00	-40.71	QP	
8		1.1828	-16.30	9.79	-6.51	46.00	-52.51	AVG	

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

**EUT Operating Environment**

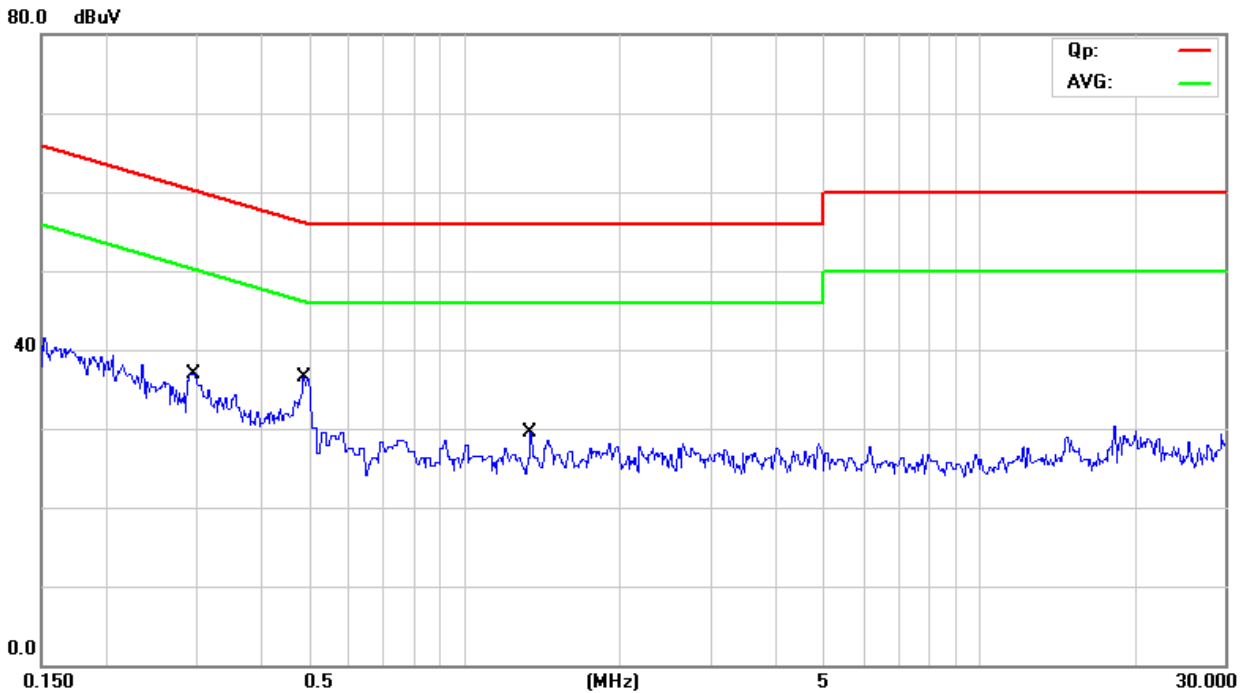
Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Keep Transmitting**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV	dBuV	dB		
1	*	0.2950	25.50	9.76	35.26	60.38	-25.12	QP	
2		0.2950	-14.10	9.76	-4.34	50.38	-54.72	AVG	
3		0.4855	18.30	9.77	28.07	56.24	-28.17	QP	
4		0.4855	-4.90	9.77	4.87	46.24	-41.37	AVG	
5		1.3424	4.20	9.79	13.99	56.00	-42.01	QP	
6		1.3424	-19.90	9.79	-10.11	46.00	-56.11	AVG	

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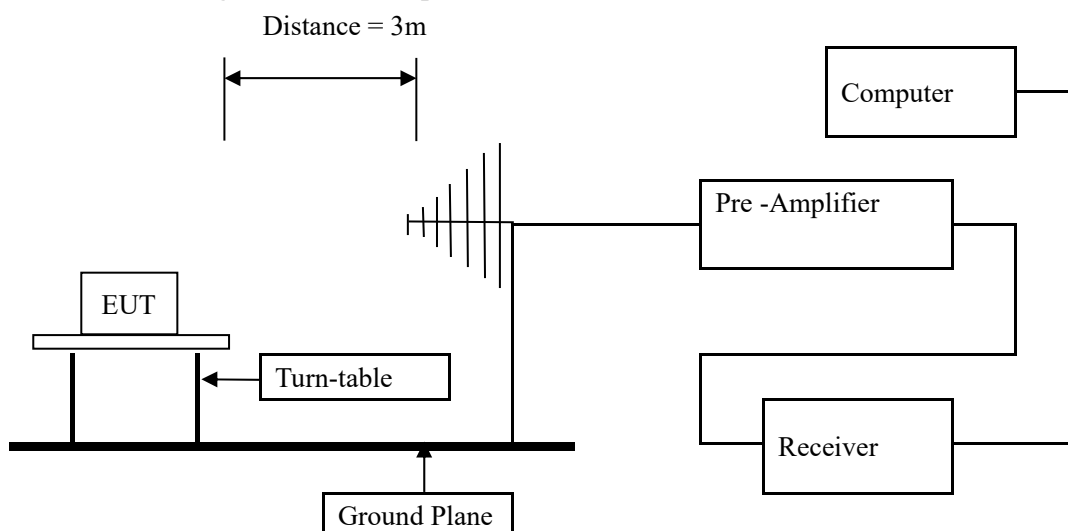


## 6 Radiated Emission Test

### 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



### 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 (MHz)	Field Strength of Fundamental (3m)			Field Strength of Harmonics (3m)		
	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.

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

Frequency Range (MHz)	Distance (m)	Field strength (dB $\mu$ V/m)
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. This is a handheld 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. Battery full charged were used during tests.

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## 6.5 Test result

### A Fundamental & Harmonics Radiated Emission Data

Product:	Wireless Mouse	Test Mode:	Keep transmitting-Low Channel
Test Item:	Fundamental Radiated Emission Data	Temperature:	25°C
Test Voltage:	DC3.7V	Humidity:	56%
Test Result:	Pass		

Frequency (MHz)	Emission PK/AV (dBuV/m)	Horiz / Vert	Limits PK/AV (dBuV/m)	Margin (dB)
2402	73.71(PK)	H	114/94	-20.29
2402	67.83(PK)	V	114/94	-26.17
4804	48.75(PK)	H	74/54	-5.25
4804	54.82(PK)/35.16(AV)	V	74/54	-19.18/-18.84
7206	--	H/V	74/54	--
9608	--	H/V	74/54	--
12010	--	H/V	74/54	--
14412	--	H/V	74/54	--
16814	--	H/V	74/54	--
19216	--	H/V	74/54	--
21618	--	H/V	74/54	--
24020	--	H/V	74/54	--

- Note:
- (1) PK= Peak, AV= Average
  - (2) Emission Level = Reading Level + Antenna Factor + Cable Loss.
  - (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

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Product:	Wireless Mouse	Test Mode:	Keep transmitting-Middle Channel
Test Item:	Fundamental Radiated Emission Data	Temperature:	25°C
Test Voltage:	DC3.7V	Humidity:	56%
Test Result:	Pass		

Frequency (MHz)	Emission PK/AV (dBuV/m)	Horiz / Vert	Limits PK/AV (dBuV/m)	Margin (dB)
2440	71.09(PK)	H	114/94	-22.91
2440	67.76(PK)	V	114/94	-26.24
4880	47.92(PK)	H	74/54	-6.08
4880	54.84(PK)/35.22(AV)	V	74/54	-19.16/-18.78
7320	--	H/V	74/54	--
9760	--	H/V	74/54	--
12200	--	H/V	74/54	--
14640	--	H/V	74/54	--
17080	--	H/V	74/54	--
19520	--	H/V	74/54	--
21960	--	H/V	74/54	--
24400	--	H/V	74/54	--

- Note:
- (1) PK= Peak, AV= Average
  - (2) Emission Level = Reading Level + Antenna Factor + Cable Loss.
  - (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

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Product:	Wireless Mouse	Test Mode:	Keep transmitting-High Channel
Test Item:	Fundamental Radiated Emission Data	Temperature:	25°C
Test Voltage:	DC3.7V	Humidity:	56%
Test Result:	Pass		

Frequency (MHz)	Emission PK/AV (dBuV/m)	Horiz / Vert	Limits PK/AV (dBuV/m)	Margin (dB)
2480	75.26(PK)	H	114/94	-18.74
2480	68.32(PK)	V	114/94	-25.68
4960	47.81(PK)	H	74/54	-6.19
4960	54.11(PK)/34.89(AV)	V	74/54	-19.89/-19.11
7440	--	H/V	74/54	--
9920	--	H/V	74/54	--
12400	--	H/V	74/54	--
14880	--	H/V	74/54	--
17360	--	H/V	74/54	--
19840	--	H/V	74/54	--
22320	--	H/V	74/54	--
24800	--	H/V	74/54	--

- Note:
- (1) PK= Peak, AV= Average
  - (2) Emission Level = Reading Level + Antenna Factor + Cable Loss.
  - (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

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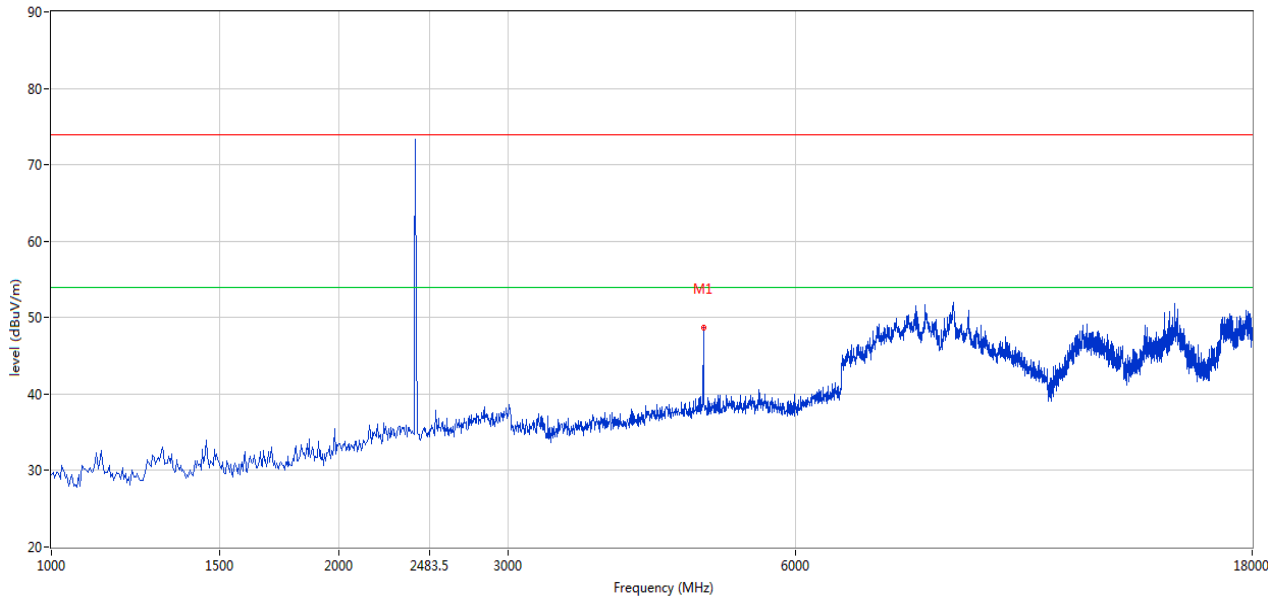
In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES, reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



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

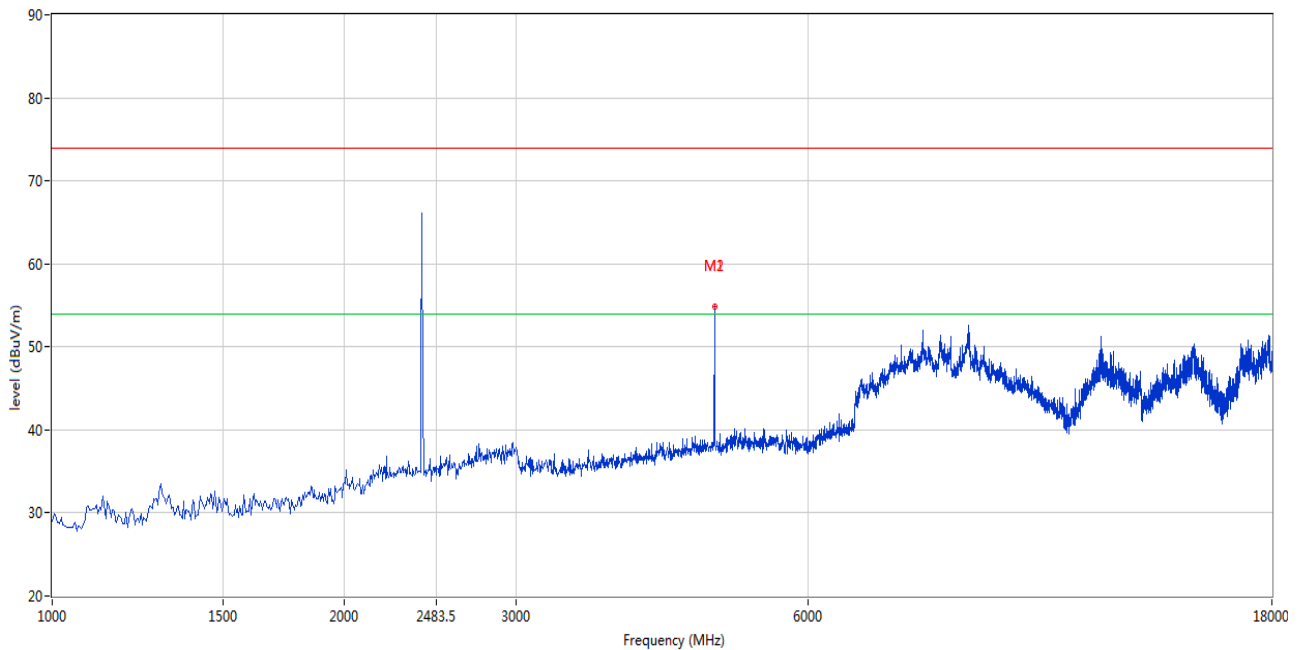
### Horizontal

FCC Part 15B Class B 1GHz-18GHz - 2



### Vertical

FCC Part 15B Class B 1GHz-18GHz - 2



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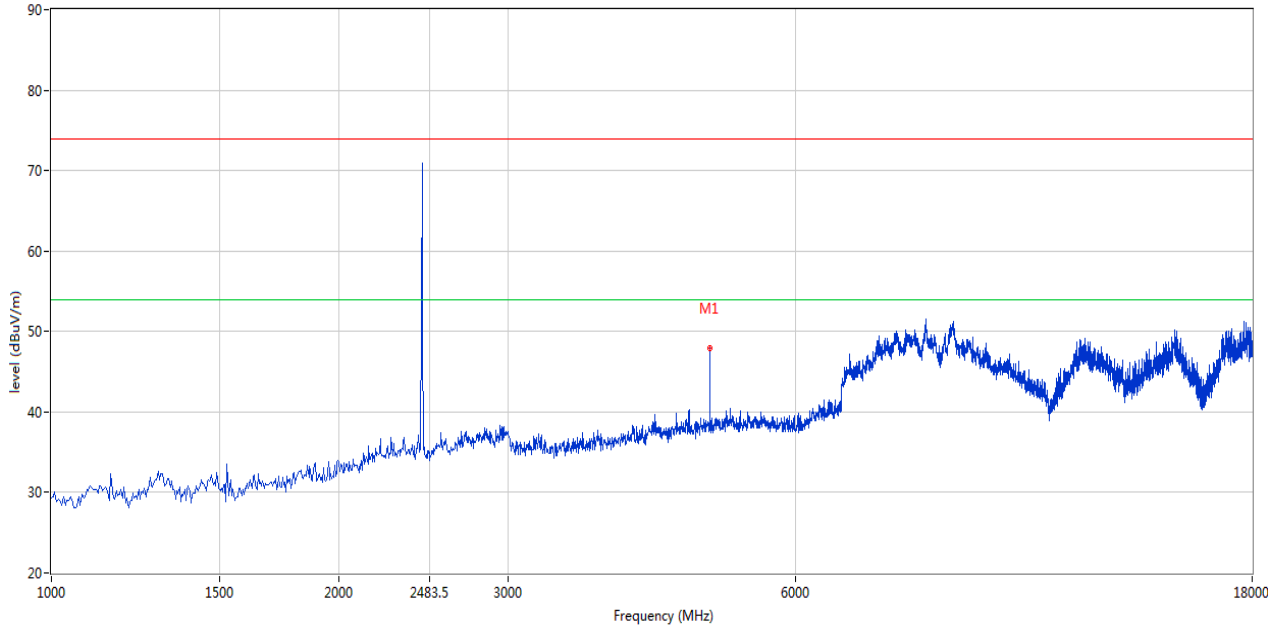
In the event of the improper use of the report, The SHENZHEN TIMEWAY TESTING LABORATORIES, reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



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

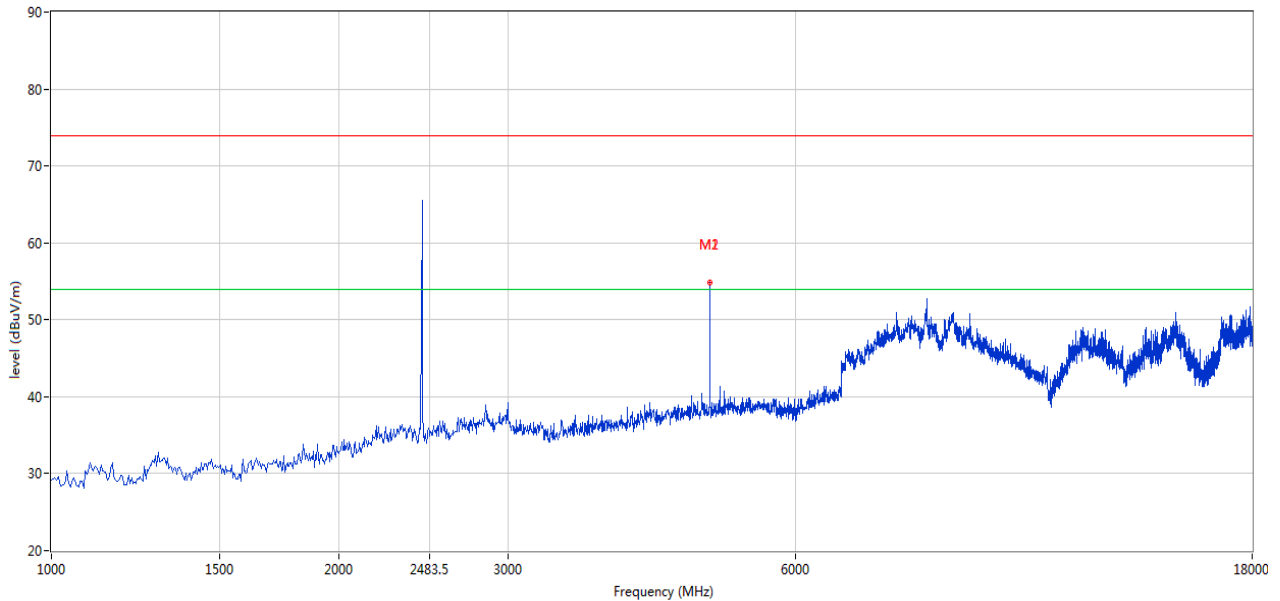
### Horizontal

FCC Part 15B Class B 1GHz-18GHz - 2



### Vertical

FCC Part 15B Class B 1GHz-18GHz - 2



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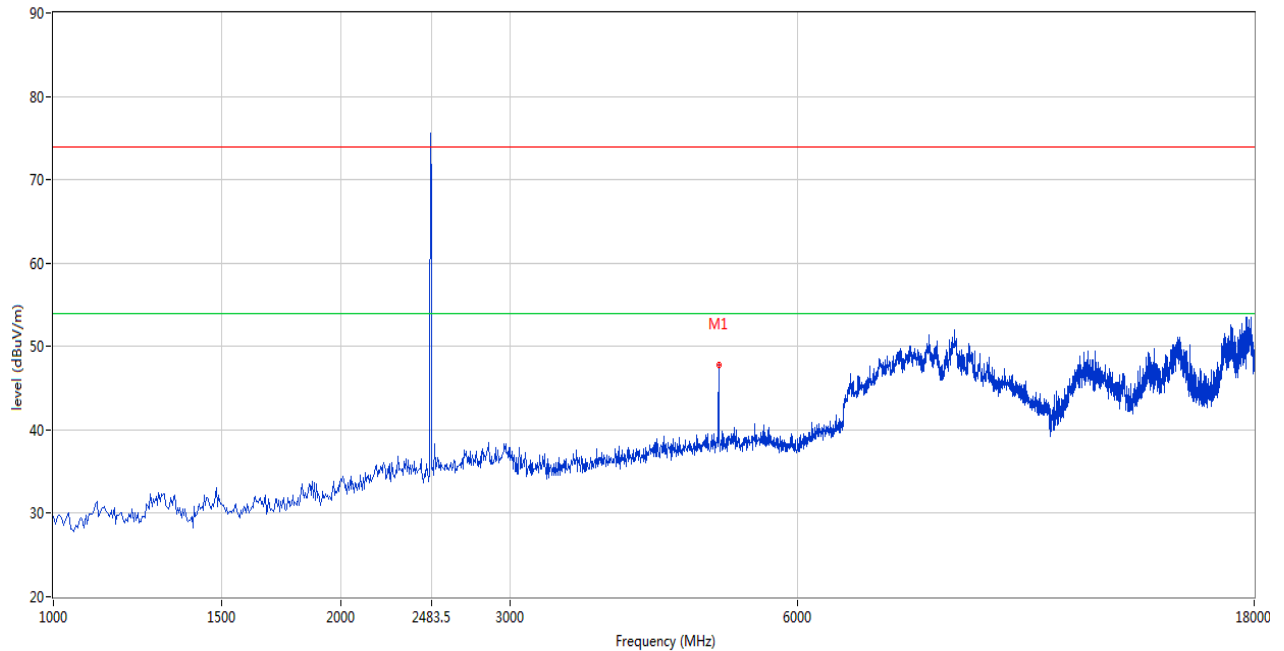
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Please refer to the following test plots for details: High Channel

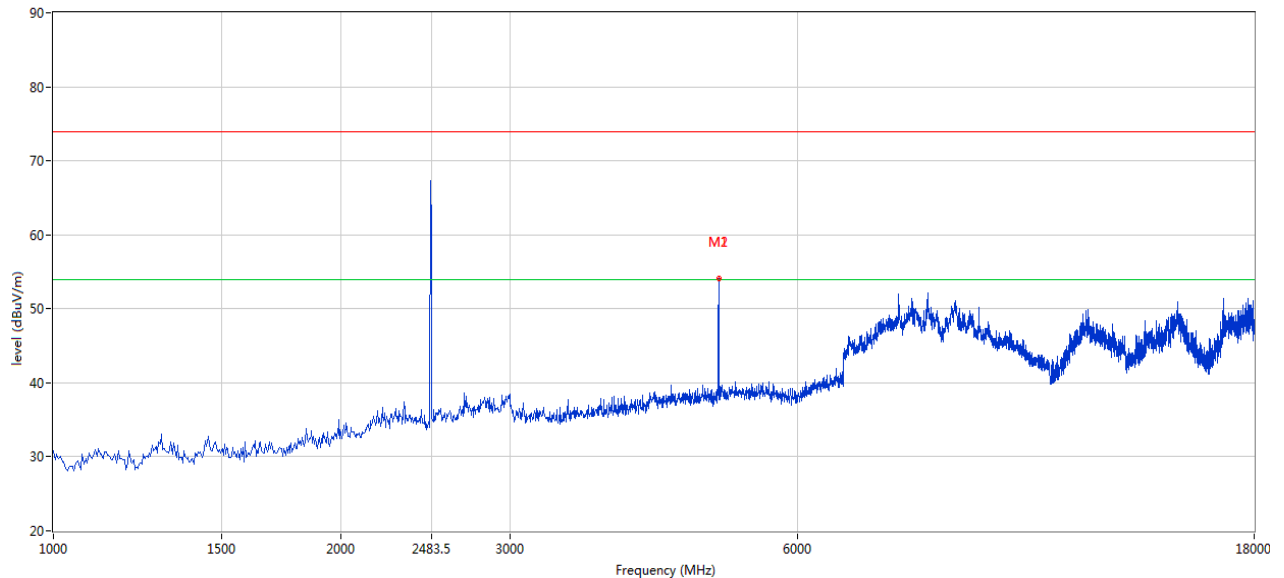
### Horizontal

FCC Part 15B Class B 1GHz-18GHz - 2



### Vertical

FCC Part 15B Class B 1GHz-18GHz - 2



For emission above 18GHz, It is only the floor noise. No necessary to take down.

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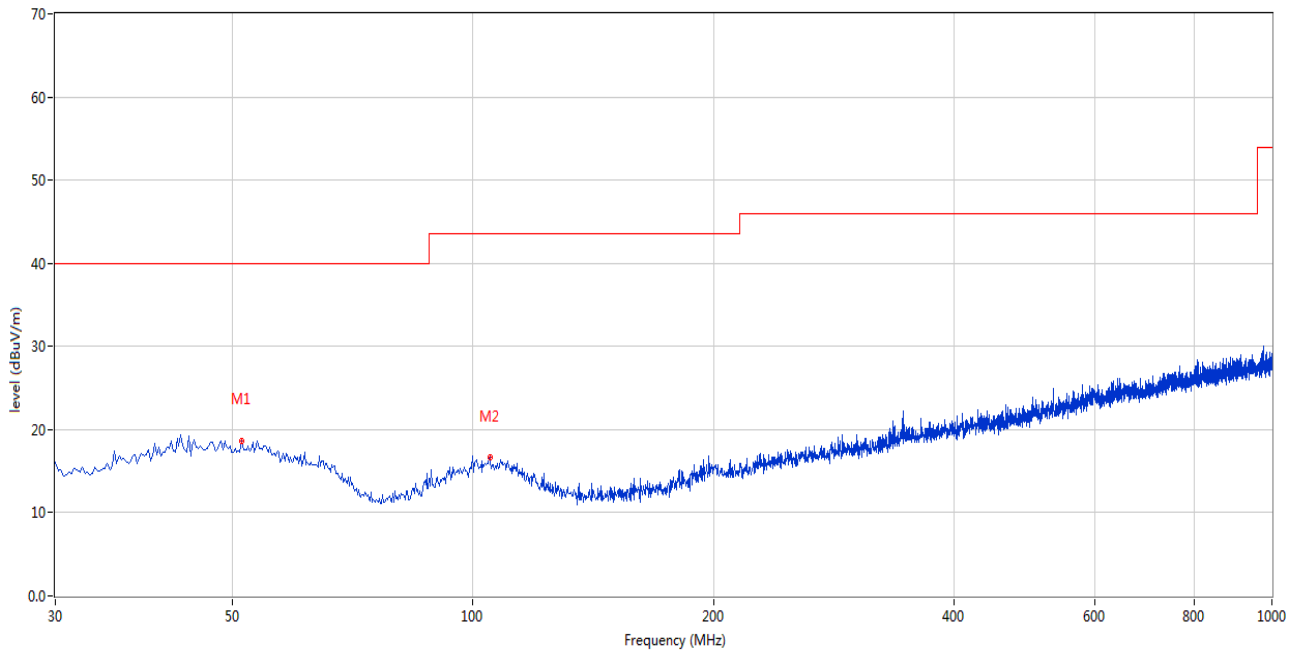
**B. General Radiated Emission Data**  
**Radiated Emission In Horizontal (30MHz----1000MHz)**

EUT set Condition: Keep Tx transmitting

**Results: Pass**

Please refer to following diagram for individual

FCC\_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	51.335	18.67	-11.41	40.0	-21.33	Peak	360.00	200	H	Pass
2	104.914	16.67	-13.23	43.5	-26.83	Peak	360.00	200	H	Pass

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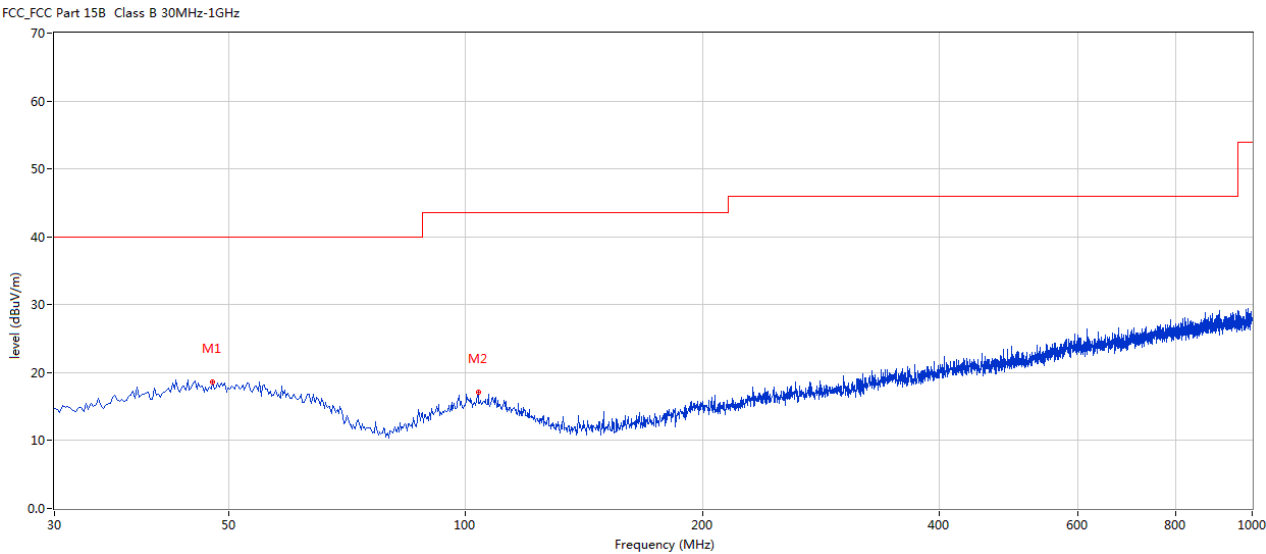


**Radiated Emission In Vertical (30MHz----1000MHz)**

EUT set Condition:   Keep Tx transmitting

**Results:    Pass**

Please refer to following diagram for individual



No.	Frequen cy (MHz)	Results (dBuV/m )	Factor (dB)	Limit (dBuV/m )	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	47.698	18.56	-11.34	40.0	-21.44	Peak	155.00	200	V	Pass
2	103.702	17.12	-13.35	43.5	-26.38	Peak	360.00	200	V	Pass

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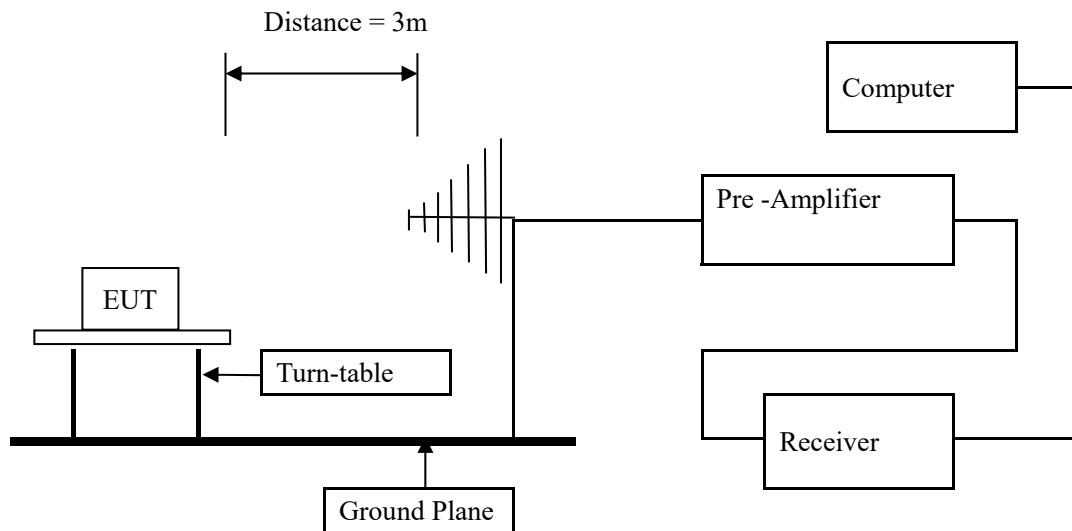


## 7. Band Edge

### 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
- (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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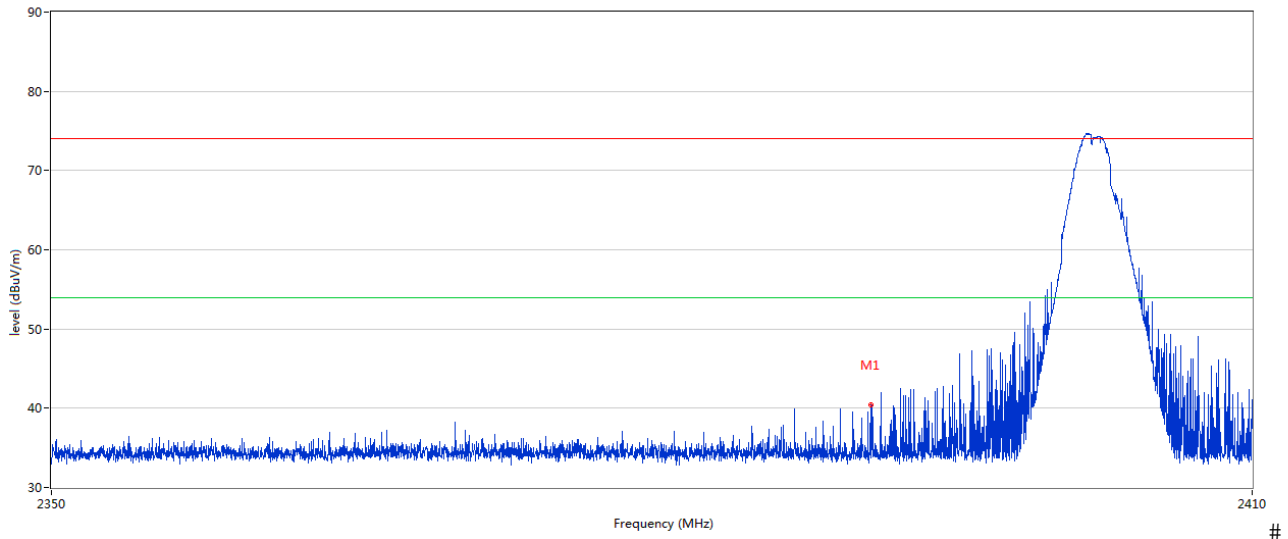
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## 7.6 Test Result

Product:	Wireless Mouse		Polarity	Horizontal
Mode	Keeping Transmitting		Test Voltage	DC3.7V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		--	--
2400MHz	PK (dBμV/m)	46.13	Limit	74 dBμV/m
2400MHz	AV (dBμV/m)	--	Limit	54 dBμV/m
2390 MHz	PK (dBμV/m)	40.37	Limit	74 dBμV/m
2390 MHz	AV (dBμV/m)	--	Limit	54 dBμV/m

FCC Part 15B Class B 1GHz-18GHz - 2



#

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2390	40.37	-3.53	74.0	-33.63	Peak	94.00	100	H	Pass
2	2400	46.13	-3.53	74.0	-27.87	Peak	94.00	100	H	Pass

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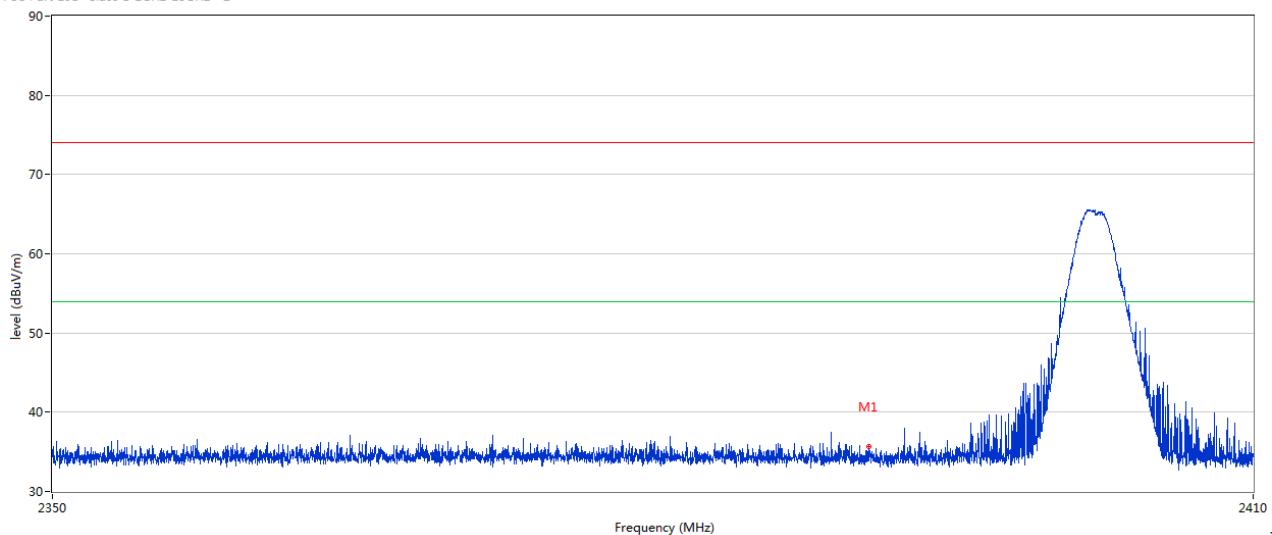
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Product:	Wireless Mouse		Detector	Vertical
Mode	Keeping Transmitting		Test Voltage	DC3.7V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		--	--
2400MHz	PK (dBμV/m)	39.72	Limit	74 dBμV/m
2400MHz	AV (dBμV/m)	--	Limit	54 dBμV/m
2390 MHz	PK (dBμV/m)	35.65	Limit	74 dBμV/m
2390 MHz	AV (dBμV/m)	--	Limit	54 dBμV/m

FCC Part 15B Class B 1GHz-18GHz - 2



#

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2390	35.65	-3.53	74.0	-38.35	Peak	18.00	100	V	Pass
2	2400	39.72	-3.53	74.0	-34.28	Peak	18.00	100	V	Pass

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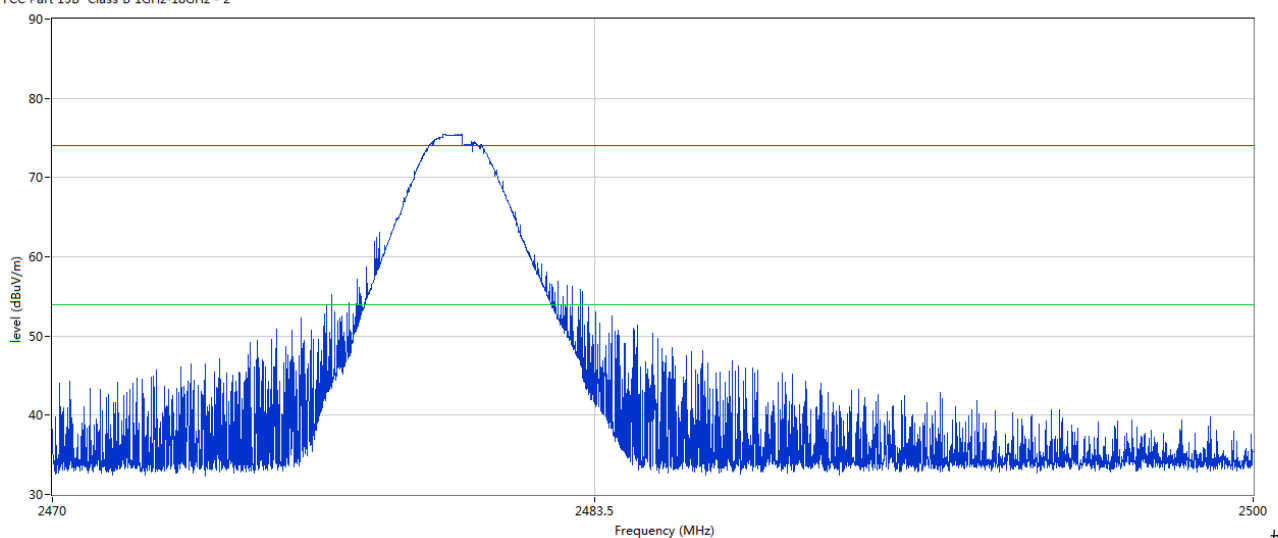
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Product:	Wireless Mouse		Polarity	Horizontal
Mode	Keeping Transmitting		Test Voltage	DC3.7V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		--	--
2483.5MHz	PK (dBμV/m)	52.89	Limit	74 dBμV/m
2483.5MHz	AV (dBμV/m)	--	Limit	54 dBμV/m

FCC Part 15B Class B 1GHz-18GHz - 2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2483.5	52.89	-3.57	74.0	-21.11	Peak	118.00	100	H	Pass
2	2483.5	35.68	-3.57	54.0	-18.32	AV	118.00	100	H	Pass

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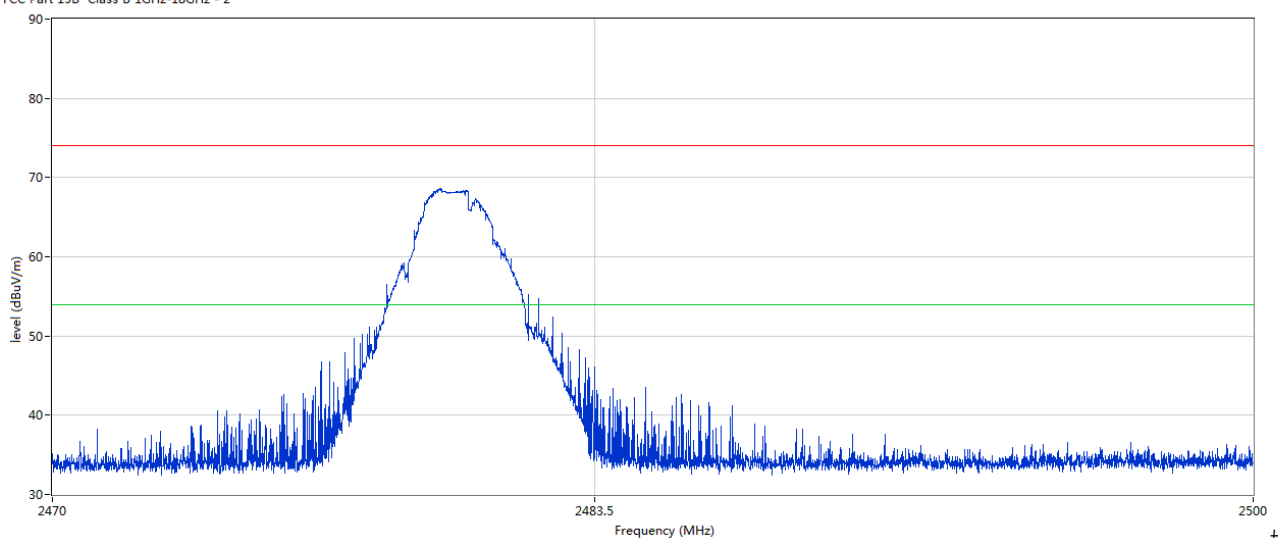
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Product:	Wireless Mouse		Detector	Vertical
Mode	Keeping Transmitting		Test Voltage	DC3.7V
Temperature	24 deg. C,		Humidity	56% RH
Test Result:	Pass		--	--
2483.5MHz	PK (dBμV/m)	48.23	Limit	74 dBμV/m
2483.5MHz	AV (dBμV/m)	--	Limit	54 dBμV/m

FCC Part 15B Class B 1GHz-18GHz - 2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2483.5	48.23	-3.57	74.0	-25.77	Peak	276.00	100	V	Pass

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.

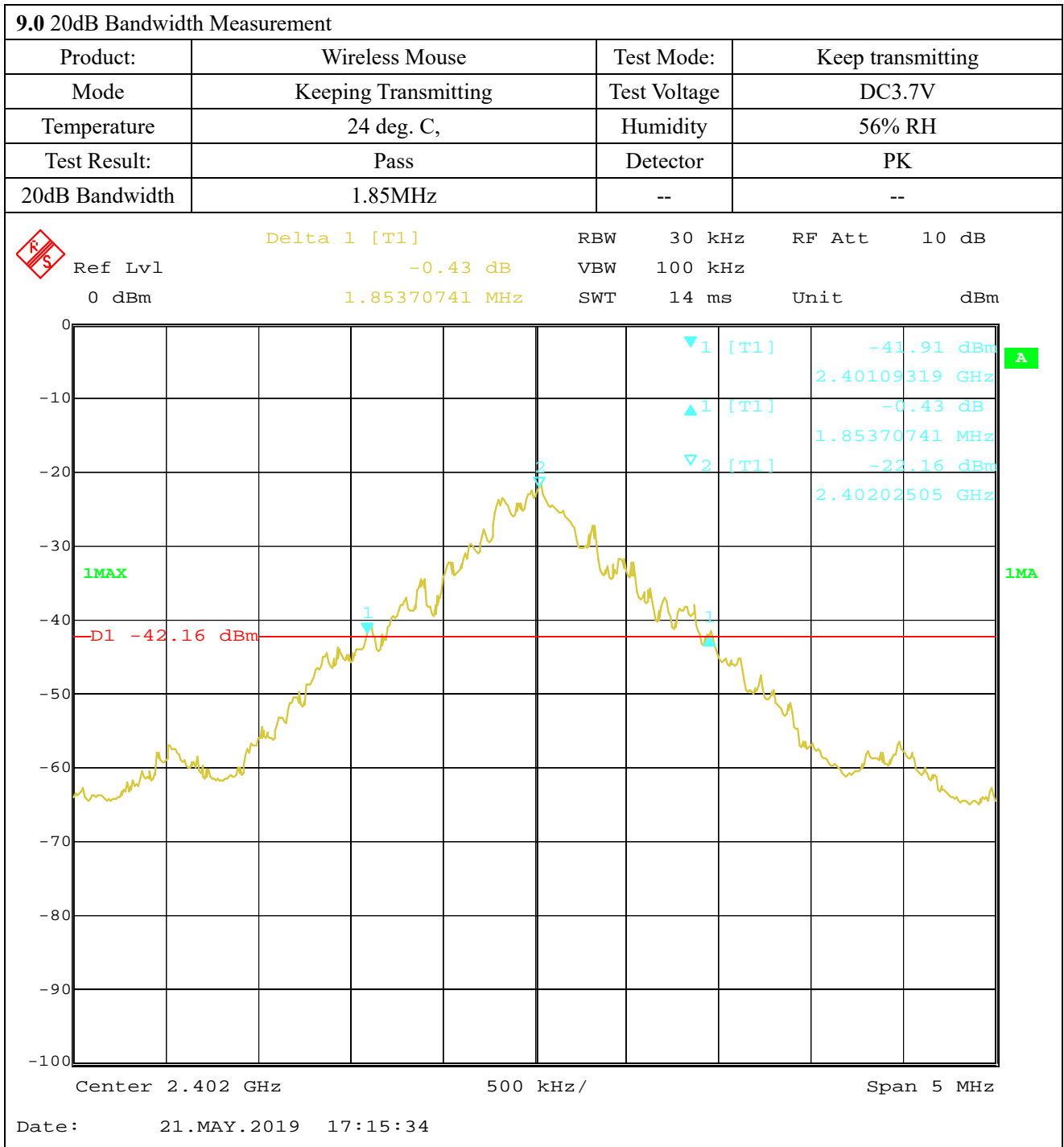
This product has a PCB antenna. The antenna gain is 0dBi Max. It fulfills the requirement of this section.

Test Result: Pass

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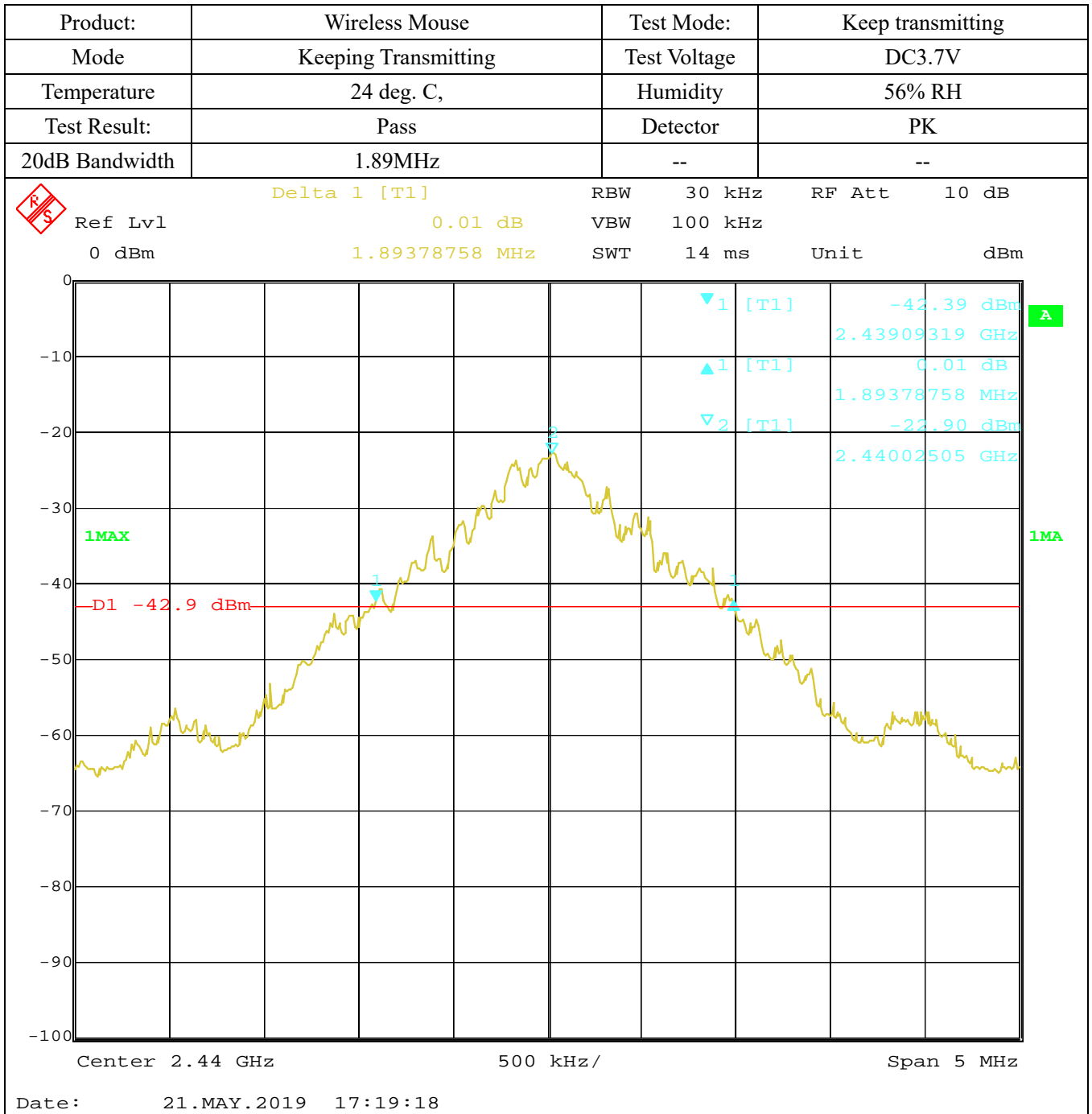
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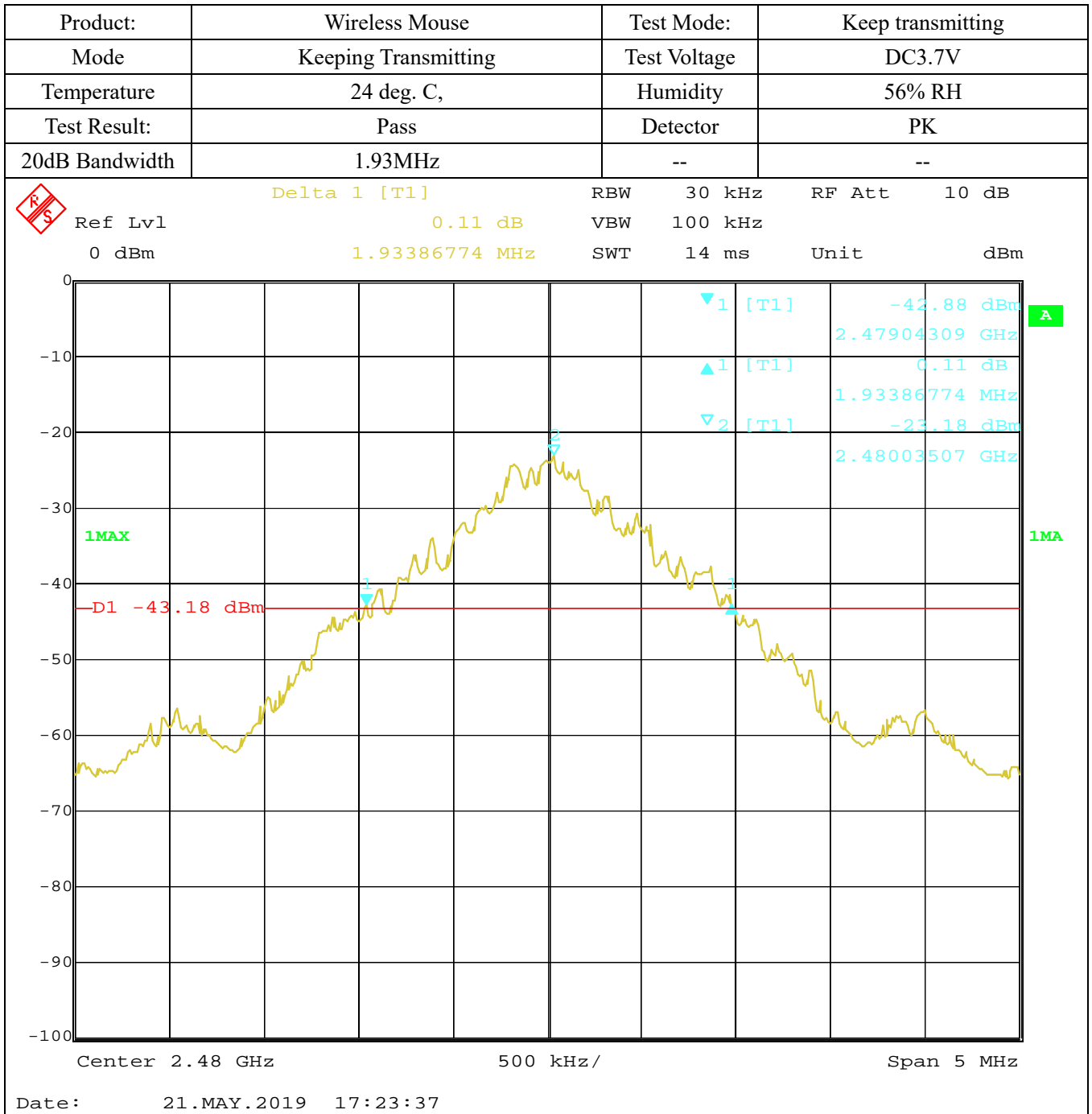
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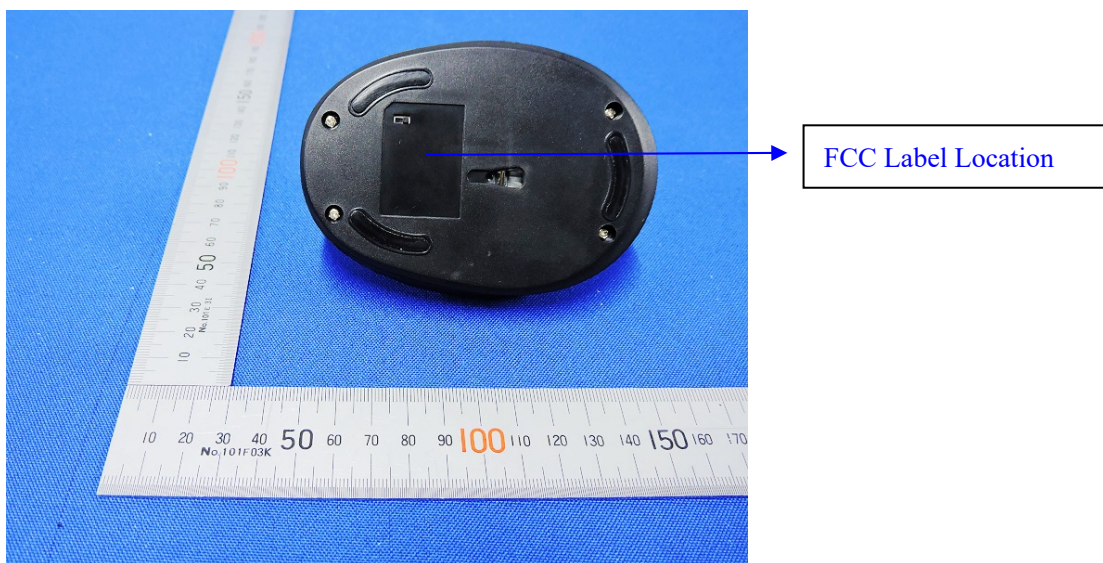


## 10.0 FCC ID Label

**FCC ID: ZJEST-892**

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:



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

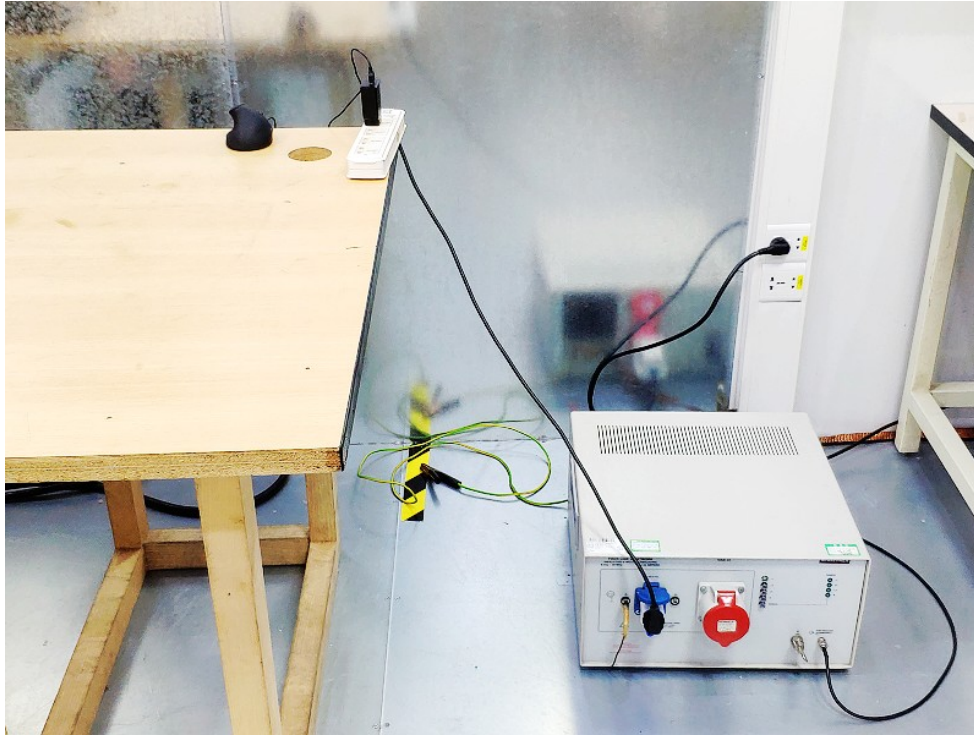
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## 11.0 Photo of testing

### 11.1 Conducted test View



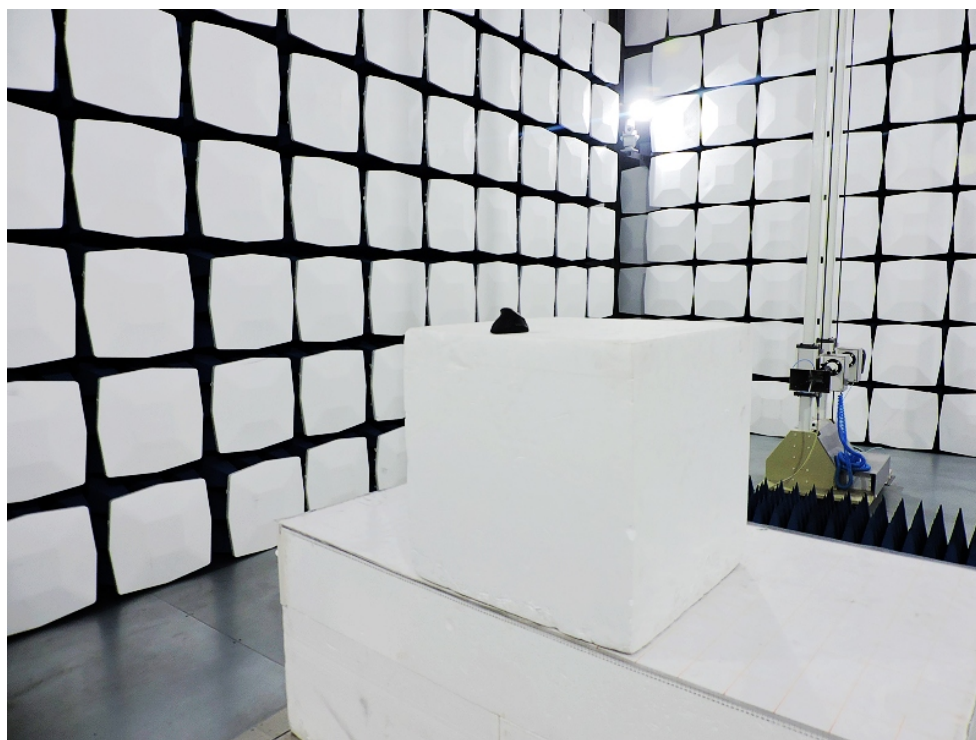
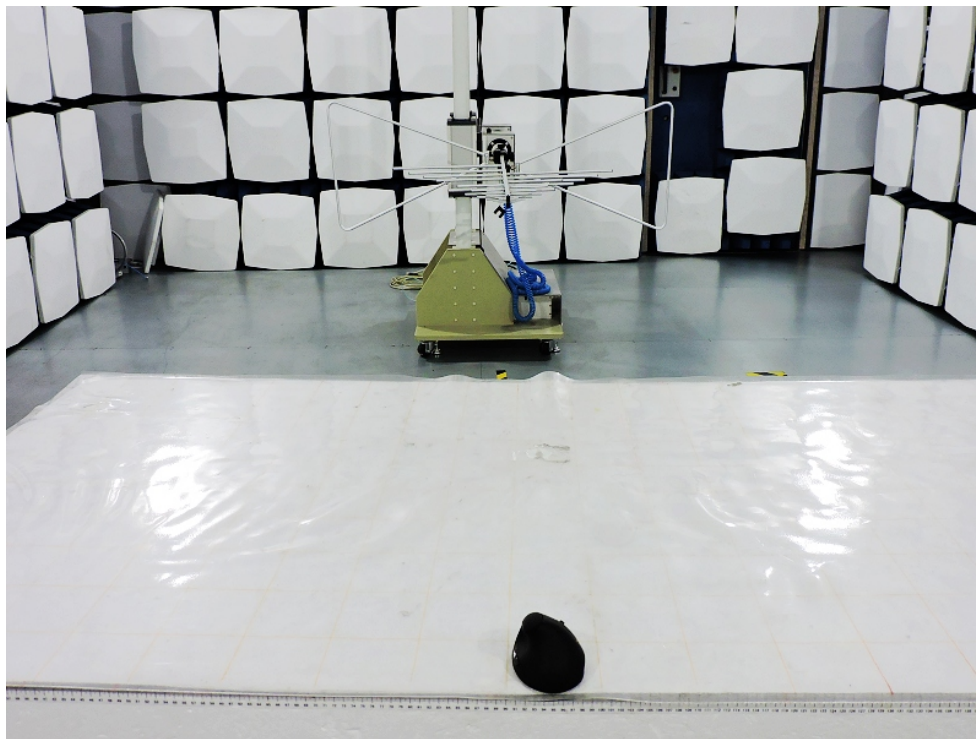
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## 11.2 Radiated emission test view



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### 11.3 Photographs – EUT

Outside View-Mouse



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Outside View-Mouse



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Outside View-Mouse



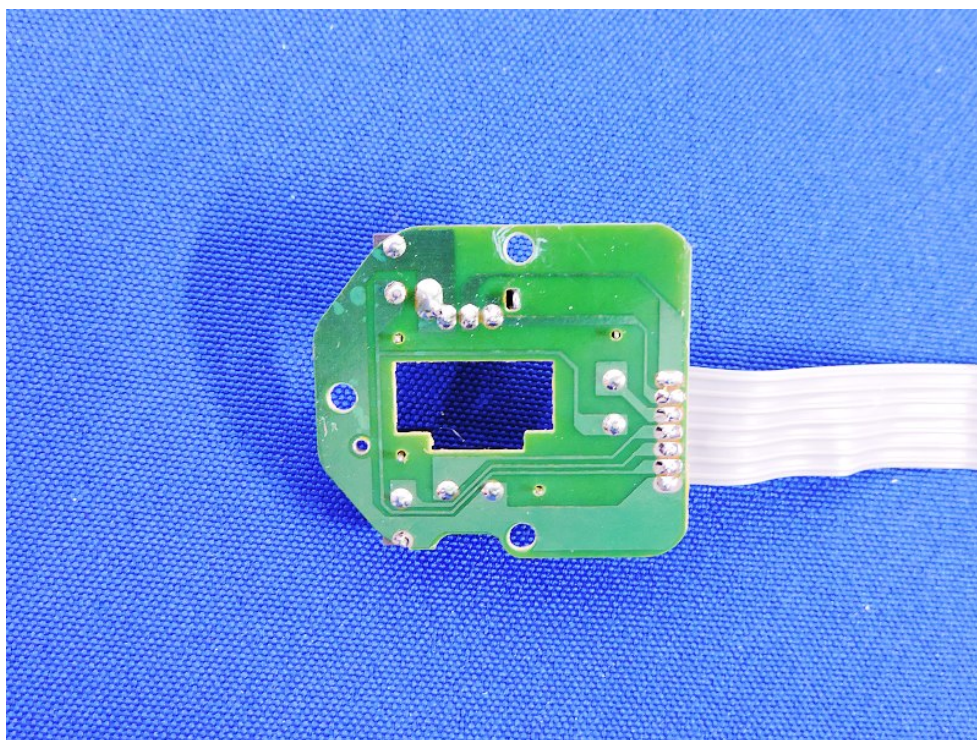
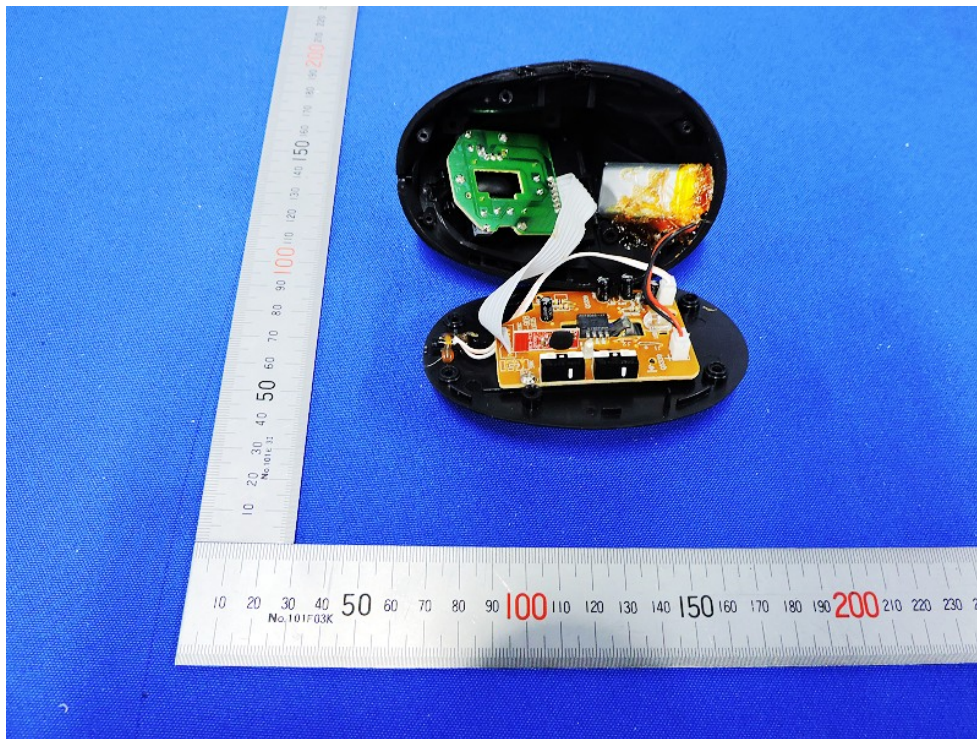
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Inside view-Mouse



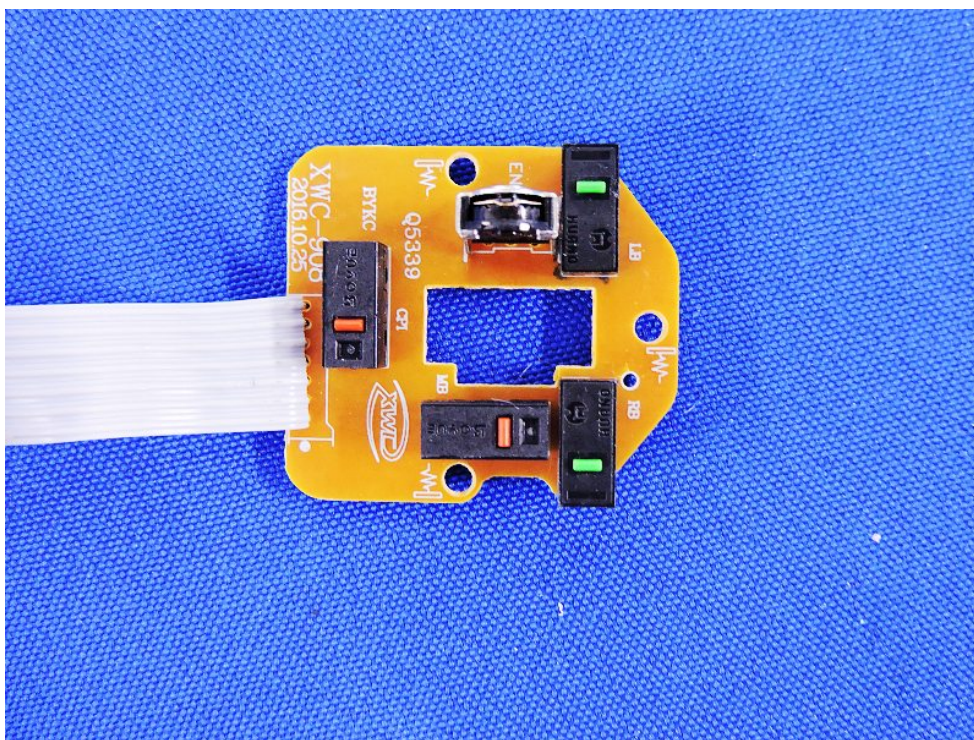
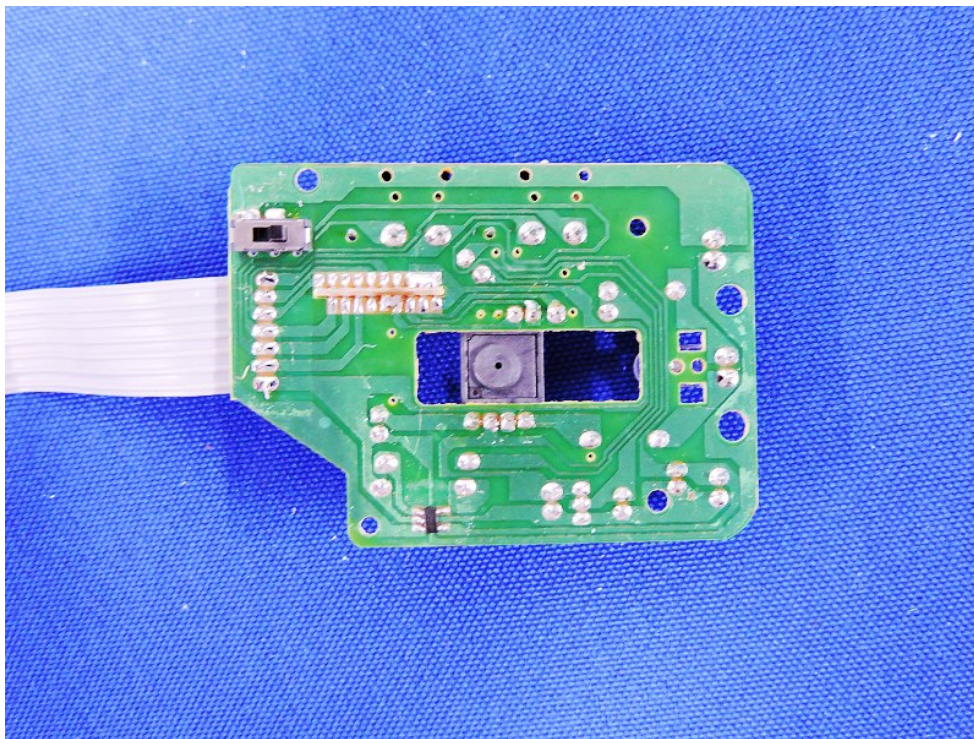
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Inside view-Mouse



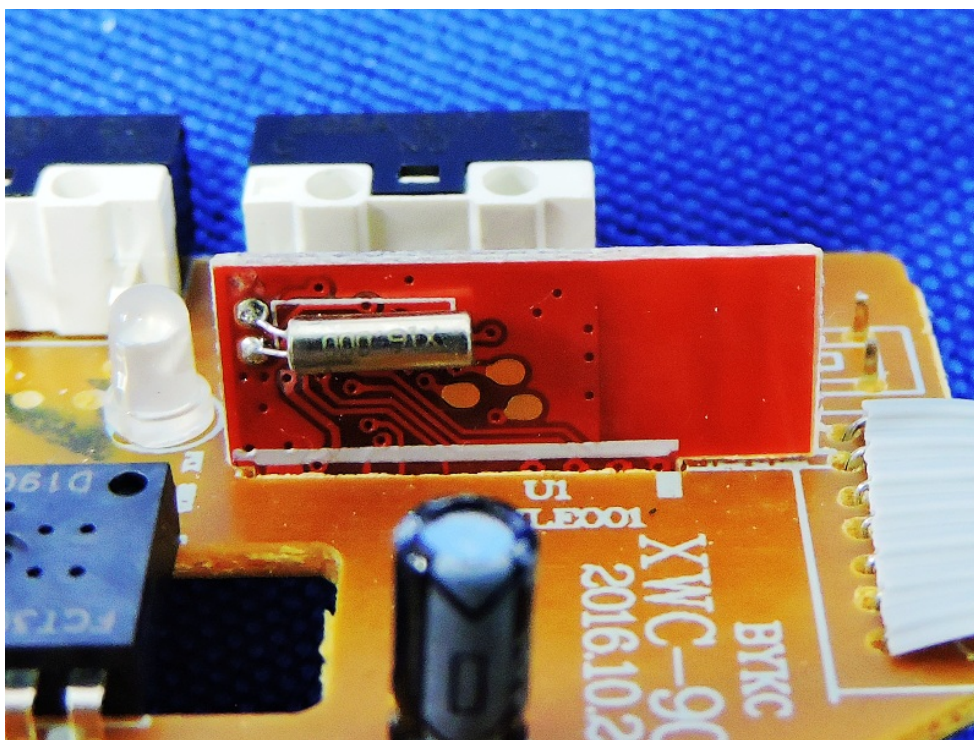
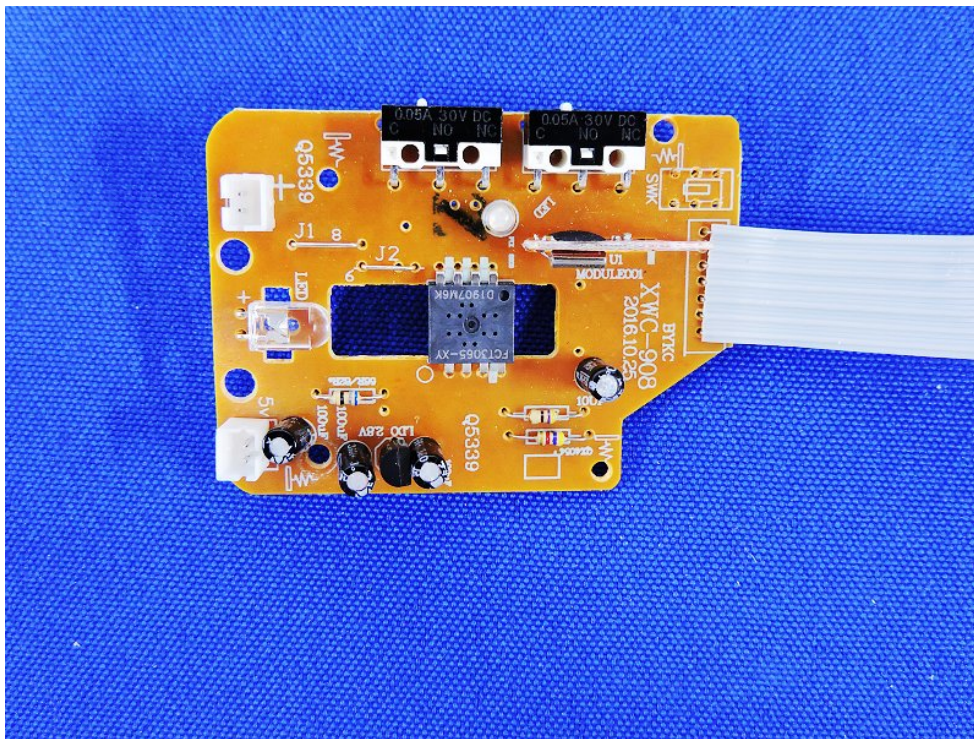
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Inside view-Mouse



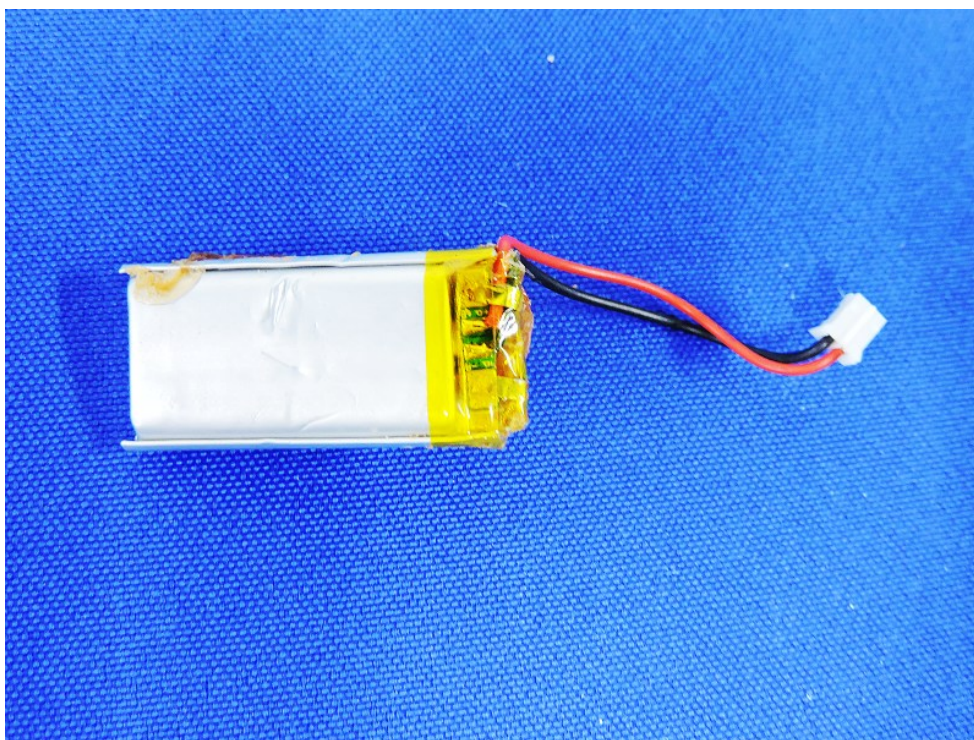
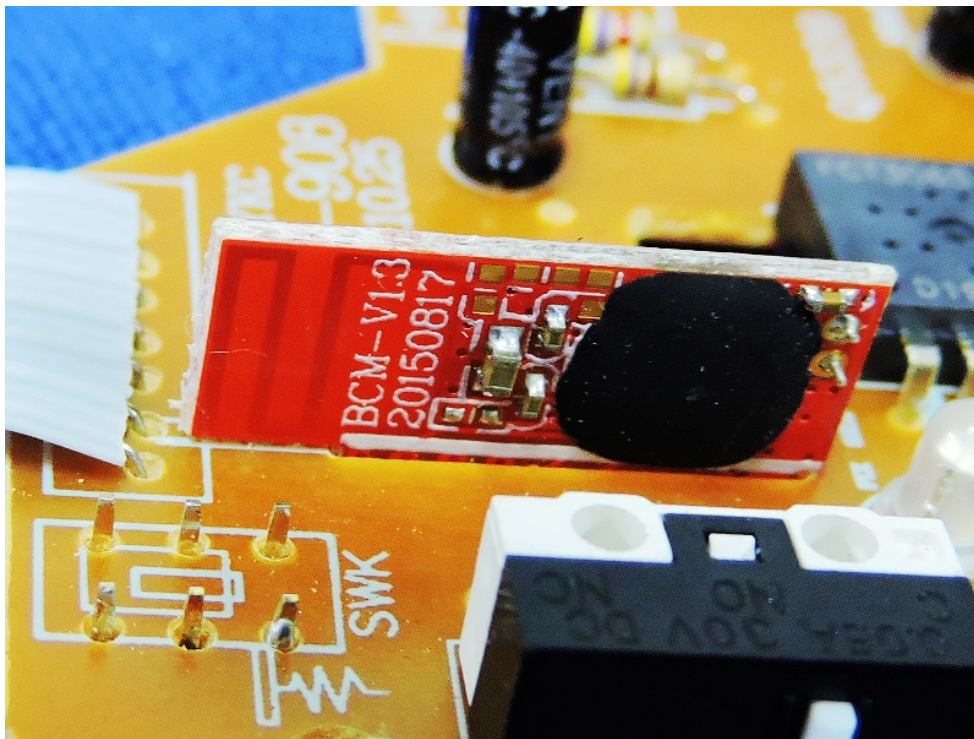
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Inside view-Mouse



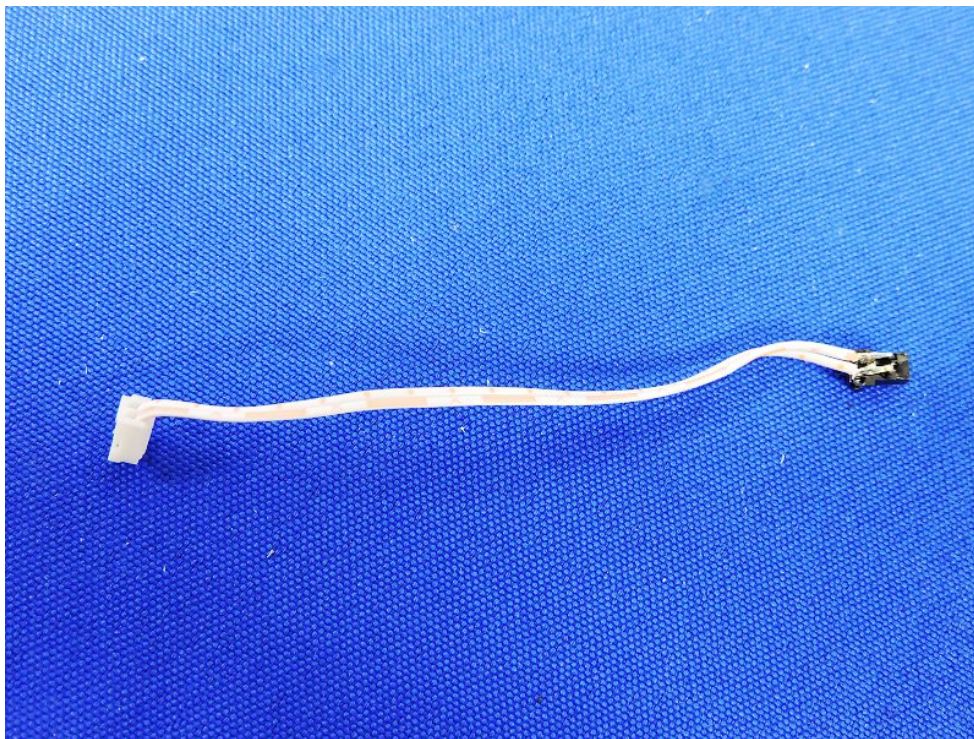
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Inside view-Mouse



**--End of the report--**

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