

TECHNICAL REPORT



Report No.: TW2112016E

File reference No.: 2021-12-21

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

Product: Slim Wireless Mouse

Model No.: MAMW10, IAMW10, MAMW10B, MAMW10RGD;  
IAMW10B, IAMW10RGD

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

*Jack Chung*

Jack Chung

Manager

Dated: December 21, 2021

**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.

### **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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## Test Report Conclusion

### Content

<b>1.0</b>	<b>General Details</b>	4
1.1	Test Lab Details	4
1.2	Applicant Details	4
1.3	Description of EUT	4
1.4	Submitted Sample	4
1.5	Test Duration	5
1.6	Test Uncertainty	5
1.7	Test By	5
<b>2.0</b>	<b>List of Measurement Equipment</b>	6
<b>3.0</b>	<b>Technical Details</b>	7
3.1	Summary of Test Results	7
3.2	Test Standards	7
<b>4.0</b>	EUT Modification	7
<b>5.0</b>	Power Line Conducted Emission Test	8
5.1	Schematics of the Test	8
5.2	Test Method and Test Procedure	8
5.3	Configuration of the EUT	8
5.4	EUT Operating Condition	9
5.5	Conducted Emission Limit	9
5.6	Test Result	9
<b>6.0</b>	<b>Radiated Emission test</b>	10
6.1	Test Method and Test Procedure	10
6.2	Configuration of the EUT	11
6.3	EUT Operation Condition	11
6.4	Radiated Emission Limit	11
6.5	Test Result	13
<b>7.0</b>	<b>Band Edge</b>	21
7.1	Test Method and Test Procedure	21
7.2	Radiated Test Setup	21
7.3	Configuration of the EUT	21
7.4	EUT Operating Condition	21
7.5	Band Edge Limit	21
7.6	Band Edge Test Result	22
<b>8.0</b>	Antenna Requirement	26
<b>9.0</b>	20dB bandwidth measurement	27
<b>10.0</b>	<b>FCC ID Label</b>	30
<b>11.0</b>	Photo of Test Setup and EUT View	31

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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: 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: Slim 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  
Model Number: MAMW10  
Additional Model Name: IAMW10, MAMW10B, MAMW10RGD; IAMW10B, IAMW10RGD  
Rating: DC3V  
Battery: DC3V (2pc 1.5V AAA battery)  
Modulation Type: GFSK  
Operation Frequency: 2402.65-2480.65MHz  
Channel Number: 16  
Channel List:

Ch No.	1	2	3	4	5	6	7	8
Frequency (MHz)	2402.65	2426.65	2441.65	2463.65	2407.65	2422.65	2445.65	2466.65
Ch No.	9	10	11	12	13	14	15	16
Frequency (MHz)	2414.65	2436.65	2459.65	2473.65	2419.65	2439.65	2453.65	2480.65

Hardware Version: V1.0

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Software Version: V1.3  
Antenna Designation: PCB antenna with gain 3.85dBi Max (Declared by the applicant)

1.4 Submitted Sample: 2 Samples

1.5 Test Duration  
2021-12-02 to 2021-12-21

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 signature is handwritten in black ink, appearing to read "Terry Tang".

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

Print Name: Terry Tang

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## 2.0 Test Equipment

Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	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	2021-01-16	2022-01-15
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	2021-01-06	2022-01-05

### 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

<b>The EUT has been tested according to the following specifications:</b>			
<b>Standard</b>	<b>Test Type</b>	<b>Result</b>	<b>Notes</b>
<b>FCC Part 15, Paragraph 15.203</b>	<b>Antenna Requirement</b>	<b>Pass</b>	<b>Complies</b>
<b>FCC Part 15, Paragraph 15.207</b>	<b>Conducted Emission Test</b>	<b>N/A</b>	<b>N/A</b>
<b>FCC Part 15 Subpart C Paragraph 15.249(a) &amp; 15.249(b) Limit</b>	<b>Field Strength of Fundamental</b>	<b>Pass</b>	<b>Complies</b>
<b>FCC Part 15, Paragraph 15.209 and RSS-210</b>	<b>Radiated Emission Test</b>	<b>Pass</b>	<b>Complies</b>
<b>FCC Part 15 Subpart C Paragraph 15.249(d) Limit</b>	<b>Band Edge Test</b>	<b>Pass</b>	<b>Complies</b>

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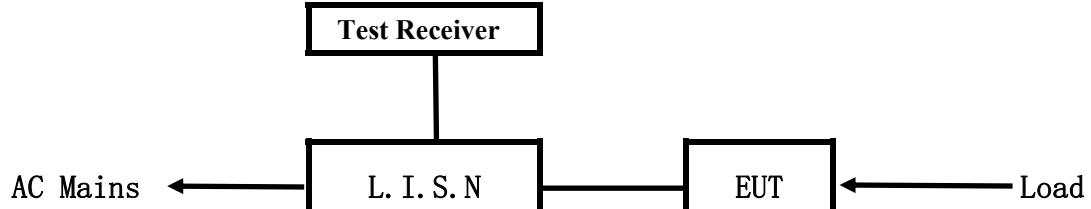
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## 5. Power Line Conducted Emission Test

### 5.1 Schematics of the test



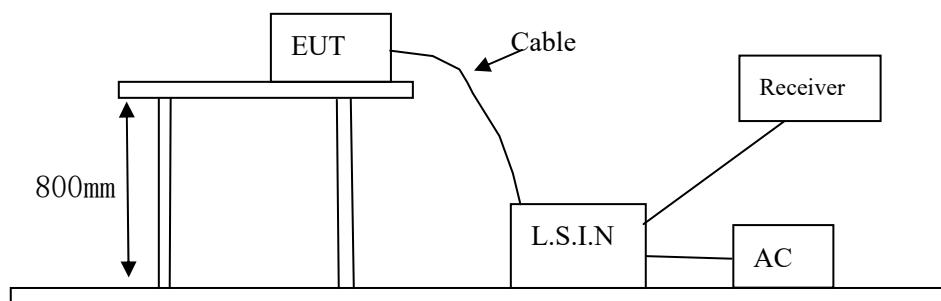
EUT: Equipment Under Test

### 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.

Test Voltage: 120V~, 60Hz

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.

#### A. EUT

Device	Manufacturer	Model	FCC ID
Slim Wireless Mouse	Shenzhen Star Sources Electronic Technology Co., Ltd.	MAMW10, IAMW10, MAMW10B, MAMW10RGD; IAMW10B, IAMW10RGD	ZJE-MAMW10

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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 (MHz)	Limits (dB $\mu$ V)	
	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 ~ 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 AAA battery, this test item not applicable.**

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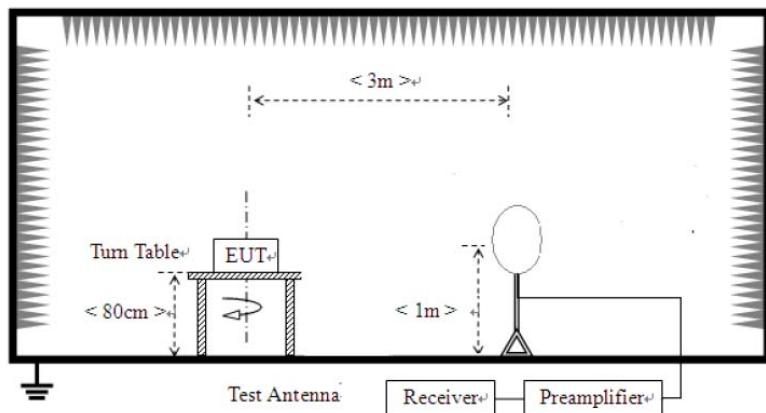
## 6 Radiated Emission Test

### 6.1 Test Method and test Procedure:

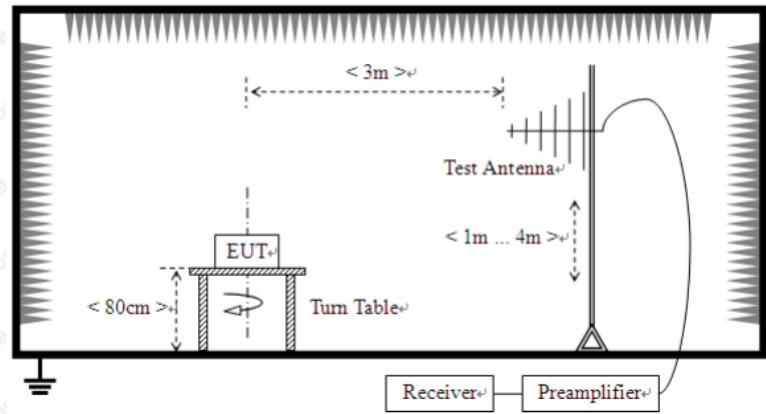
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All 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



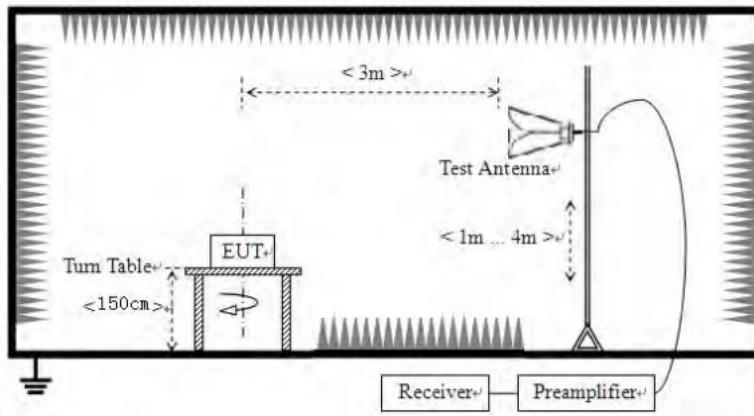
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For radiated emissions above 1GHz



#### 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 (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) =  $20 \log_{10}$  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 $\mu$ V/m)
0.009-0.049	3	$20\log(2400/F(\text{kHz})) + 40\log(300/3)$
0.490-1.705	3	$20\log(24000/F(\text{kHz})) + 40\log(30/3)$
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) =  $20 \log \text{RF Voltage} (\mu\text{V})$
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. 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 batteries were used during tests.

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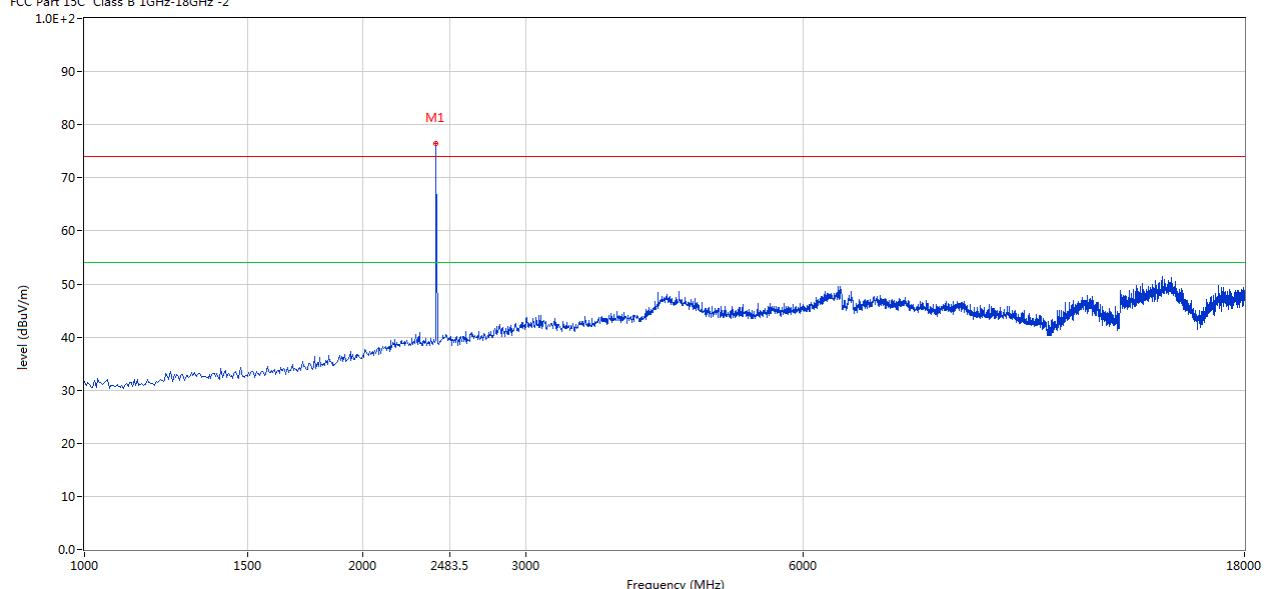
## 6.5 Test result

### A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2402.65MHz

#### Horizontal

FCC Part 15C 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	2402.149	76.47	-3.57	114.0	-37.53	Peak	160.00	100	Horizontal	Pass

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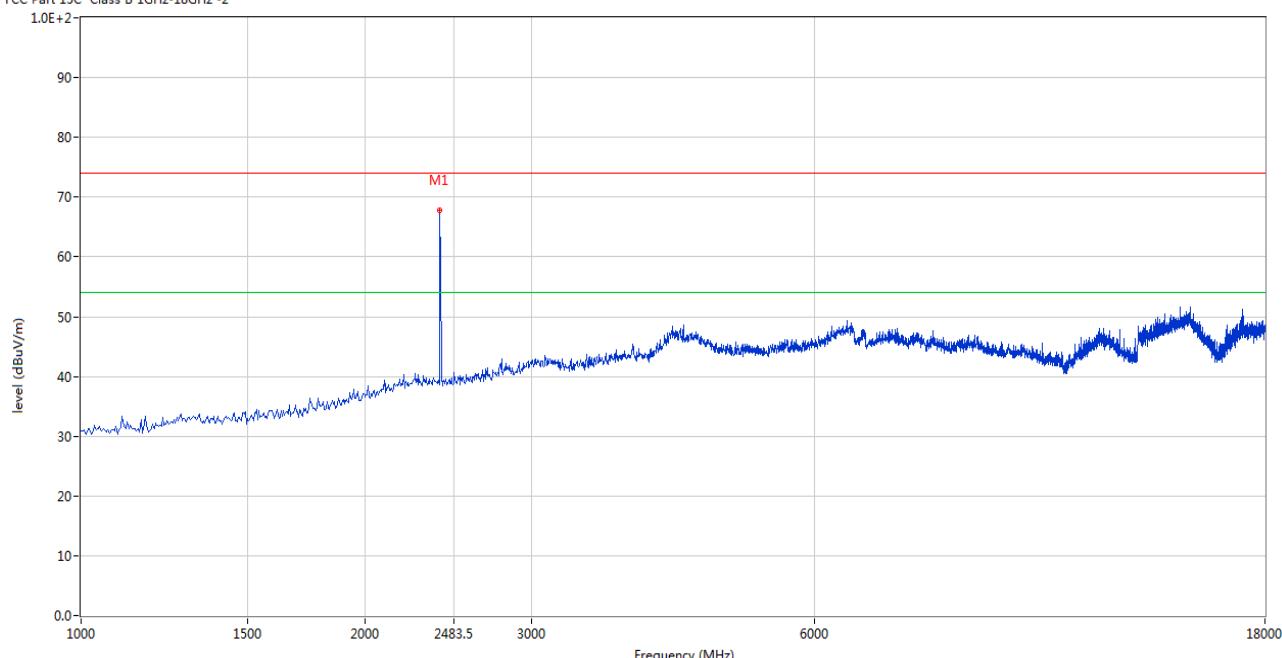
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## Vertical

FCC Part 15C 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	2402.149	67.89	-3.57	114.0	-46.11	Peak	0.00	100	Vertical	Pass

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

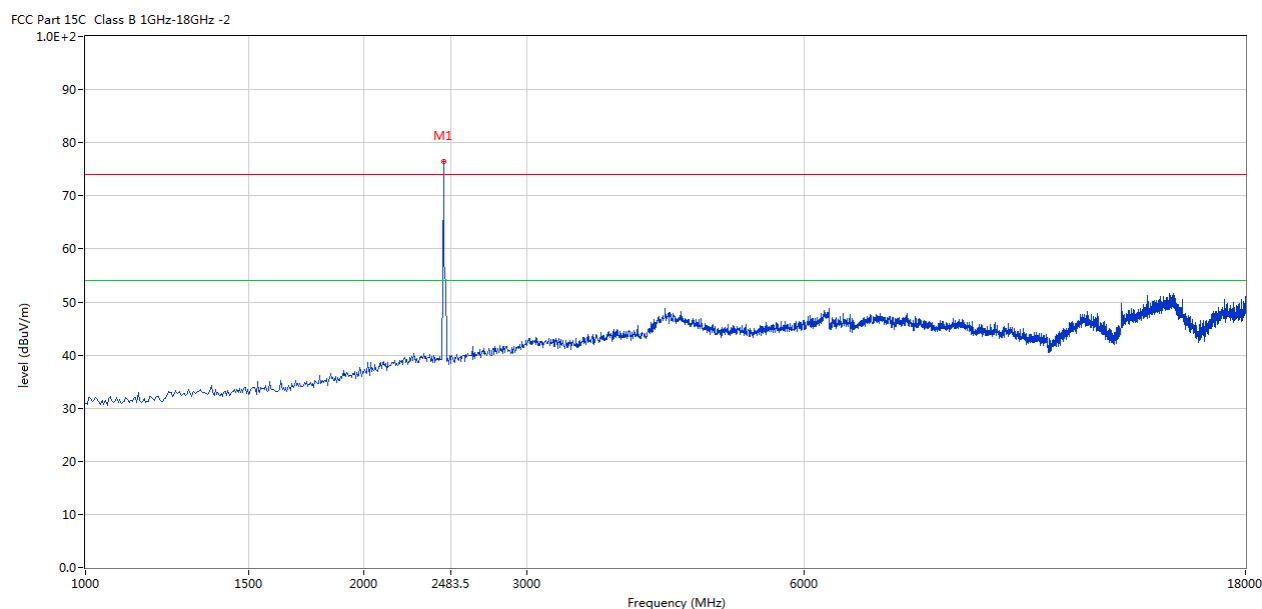
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Please refer to the following test plots for details: Middle Channel-2441.65MHz

### Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2441.250	76.55	-3.57	114.0	-37.45	Peak	290.00	100	Horizontal	Pass

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

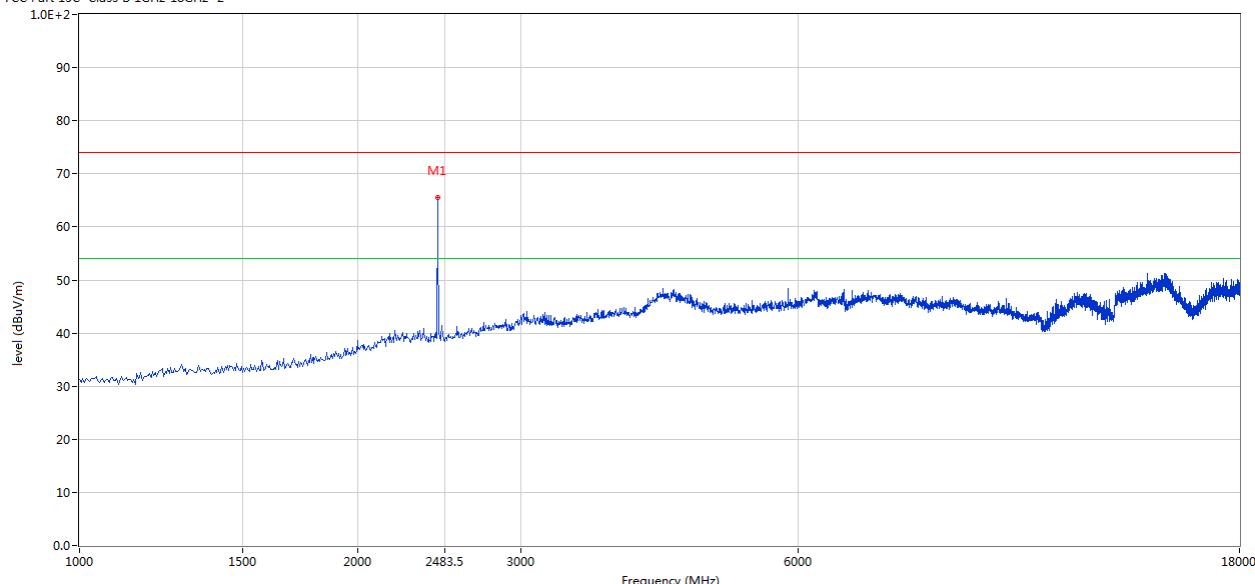
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## Vertical

FCC Part 15C 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	2441.250	65.59	-3.57	114.0	-48.41	Peak	220.00	100	Vertical	Pass

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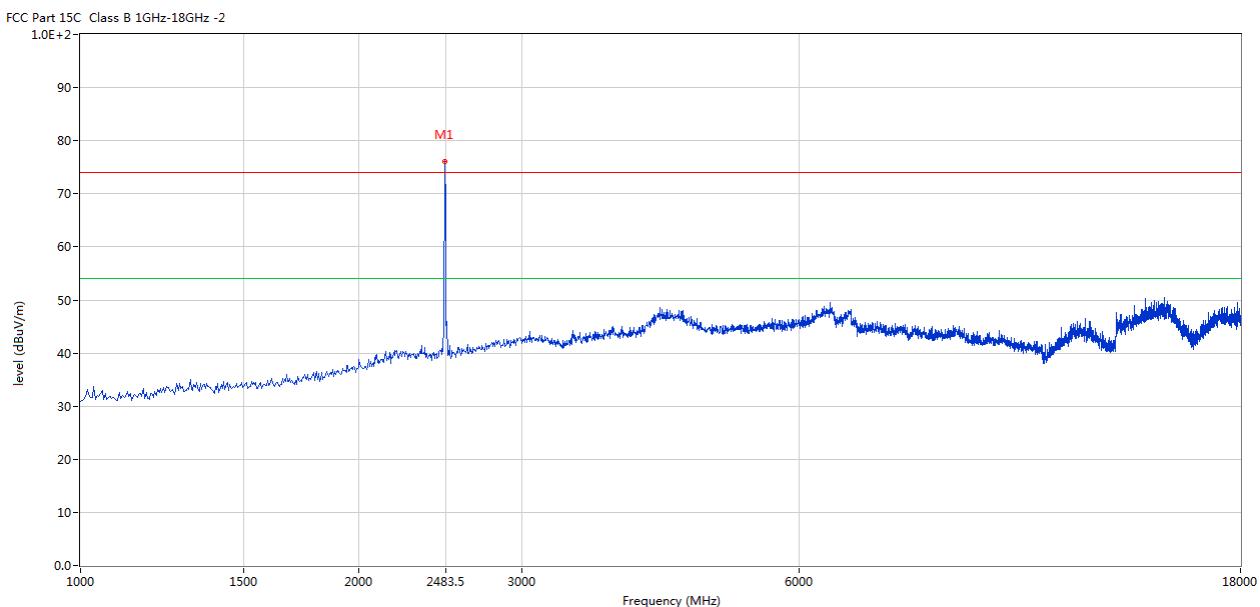
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Please refer to the following test plots for details: High Channel-2480.65MHz

### Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480.160	76.14	-3.57	114.0	-37.86	Peak	89.00	100	Horizontal	Pass

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

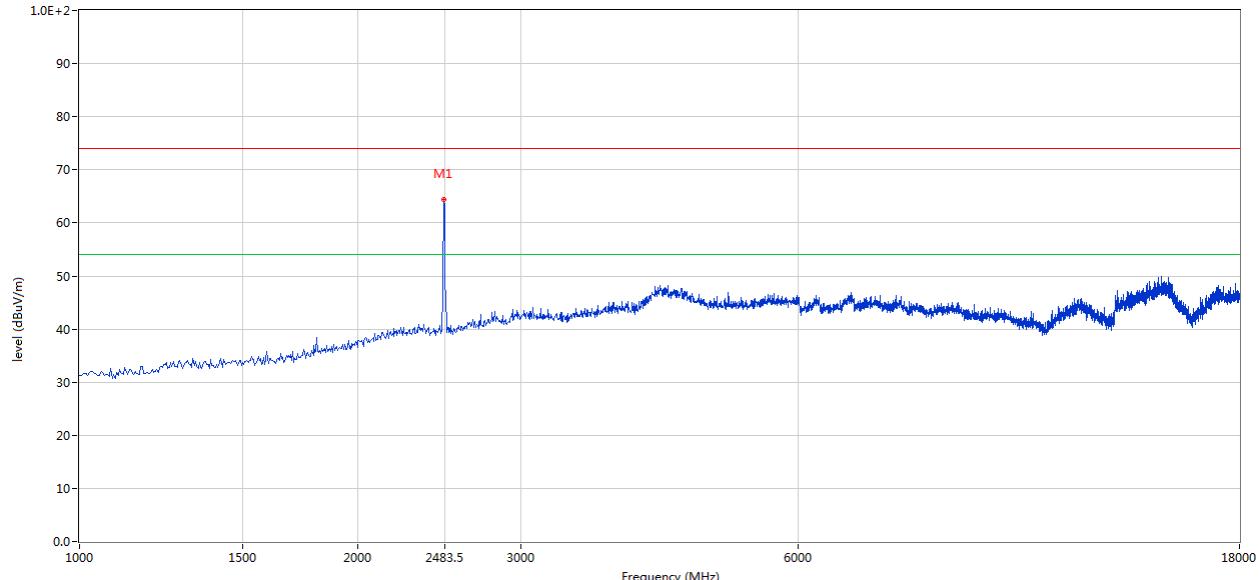
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## Vertical

FCC Part 15C 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	2480.160	64.40	-3.57	114.0	-49.60	Peak	236.00	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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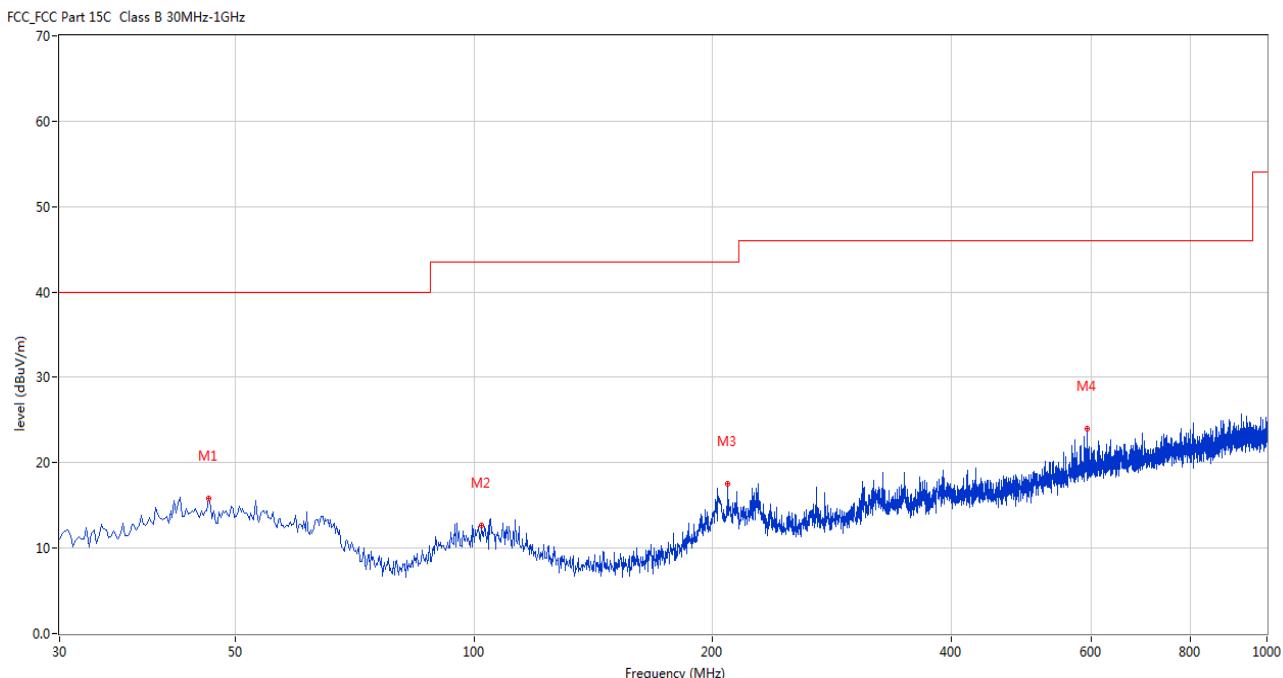
## B. General Radiated Emission Data

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

EUT set Condition: Keep Tx transmitting

**Results: Pass**

Please refer to following diagram for individual



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	46.243	15.85	-11.41	40.0	-24.15	Peak	101.00	100	Horizontal	Pass
2	102.247	12.68	-13.42	43.5	-30.82	Peak	81.00	100	Horizontal	Pass
3	208.920	17.53	-13.64	43.5	-25.97	Peak	111.00	100	Horizontal	Pass
4	592.459	24.05	-5.16	46.0	-21.95	Peak	92.00	100	Horizontal	Pass

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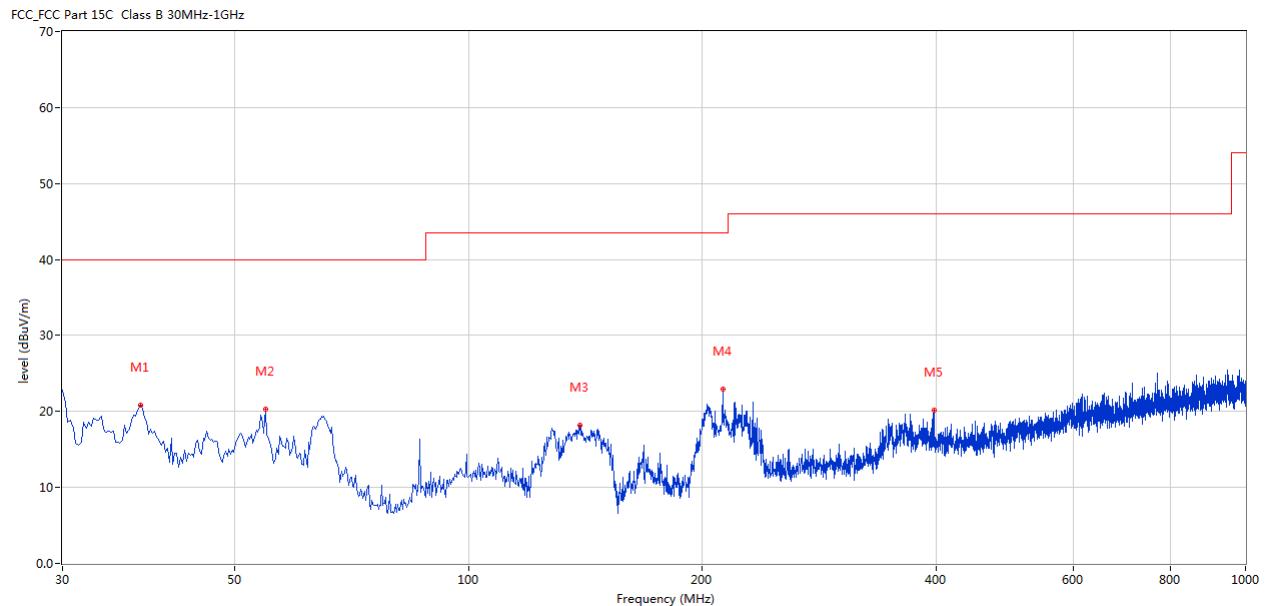


### Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

**Results: Pass**

Please refer to following diagram for individual



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	37.758	20.84	-12.84	40.0	-19.16	Peak	360.00	100	Vertical	Pass
2	54.729	20.29	-11.72	40.0	-19.71	Peak	356.00	100	Vertical	Pass
3	139.098	18.22	-17.21	43.5	-25.28	Peak	302.00	100	Vertical	Pass
4	212.314	22.92	-13.67	43.5	-20.58	Peak	359.00	100	Vertical	Pass
5	397.053	20.17	-8.73	46.0	-25.83	Peak	335.00	100	Vertical	Pass

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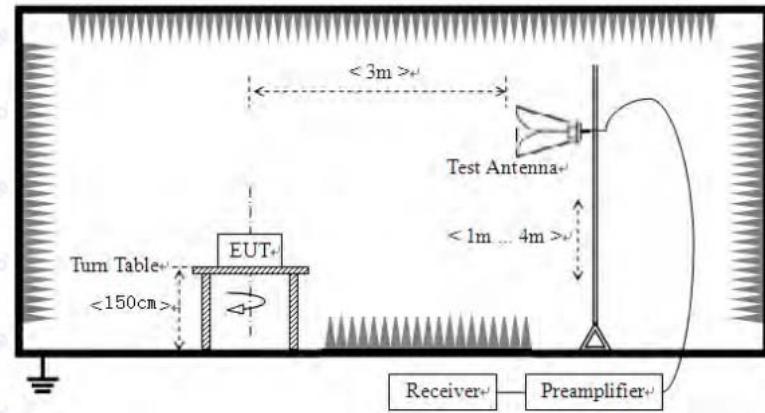


## 7. Band Edge

### 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 height is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (4) The antenna polarization: Vertical polarization and Horizontal polarization.

### 7.2 Radiated Test Setup



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

### 7.3 Configuration of The EUT

Same as section 5.3 of this report

### 7.4 EUT Operating Condition

Same as section 5.4 of this report.

### 7.5 Band Edge Limit

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

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## 7.6 Test Result

Product:	Slim Wireless Mouse		Polarity	Horizontal						
Mode	Keeping Transmitting		Test Voltage	DC3.7V						
Temperature	24 deg. C,		Humidity	56% RH						
Test Result:	Pass		--	--						
FCC Part 15C 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
2	2400.072	50.73	-3.57	74.0	-23.27	Peak	7.00	100	Horizontal	Pass
3	2390.085	36.83	-3.53	74.0	-37.17	Peak	138.00	100	Horizontal	Pass

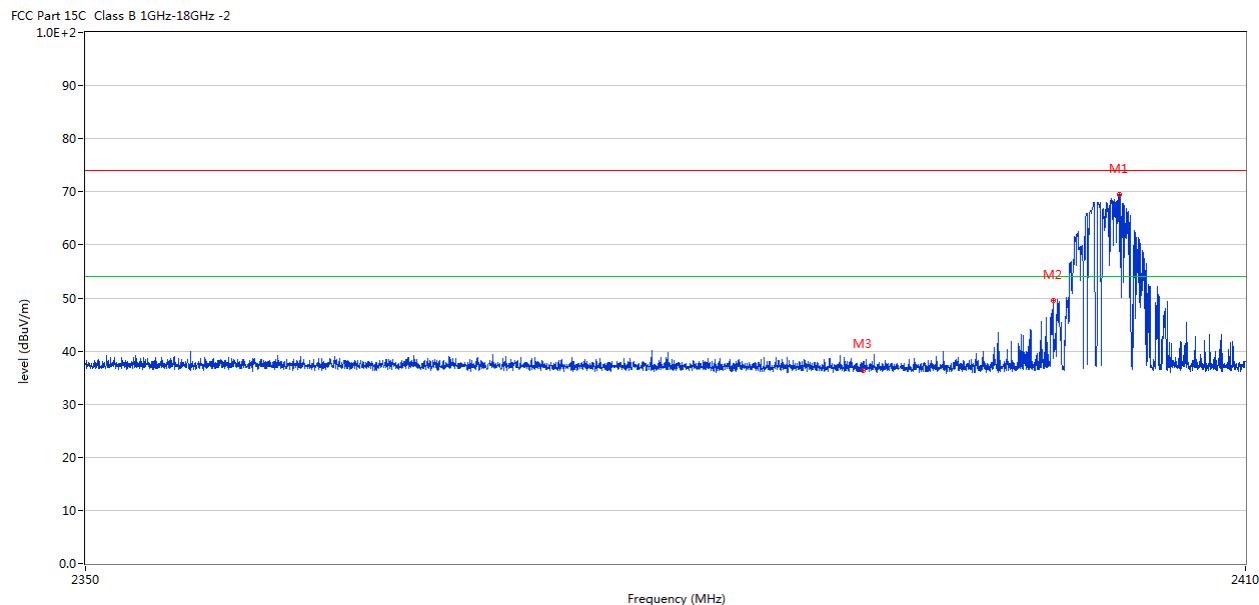
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Product:	Slim Wireless Mouse	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
2	2399.938	49.52	-3.57	74.0	-24.48	Peak	24.00	100	Vertical	Pass
3	2390.070	36.44	-3.53	74.0	-37.56	Peak	195.00	100	Vertical	Pass

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

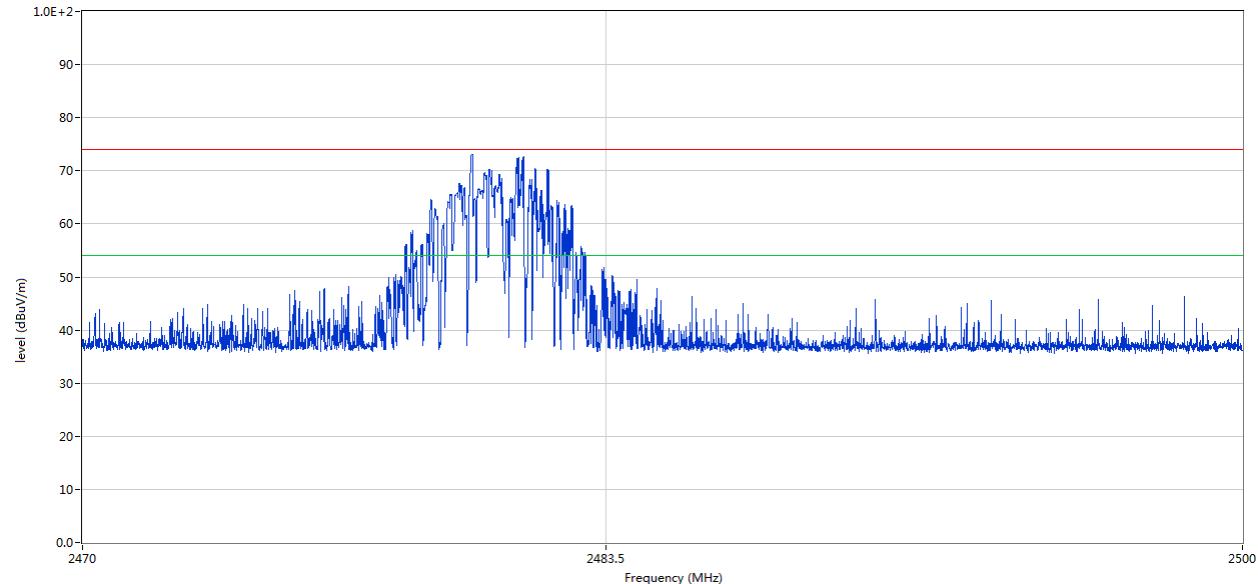
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Product:	Slim Wireless Mouse	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--

FCC Part 15C 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
2	2483.437	51.75	-3.57	74.0	-22.25	Peak	238.00	100	Horizontal	Pass

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

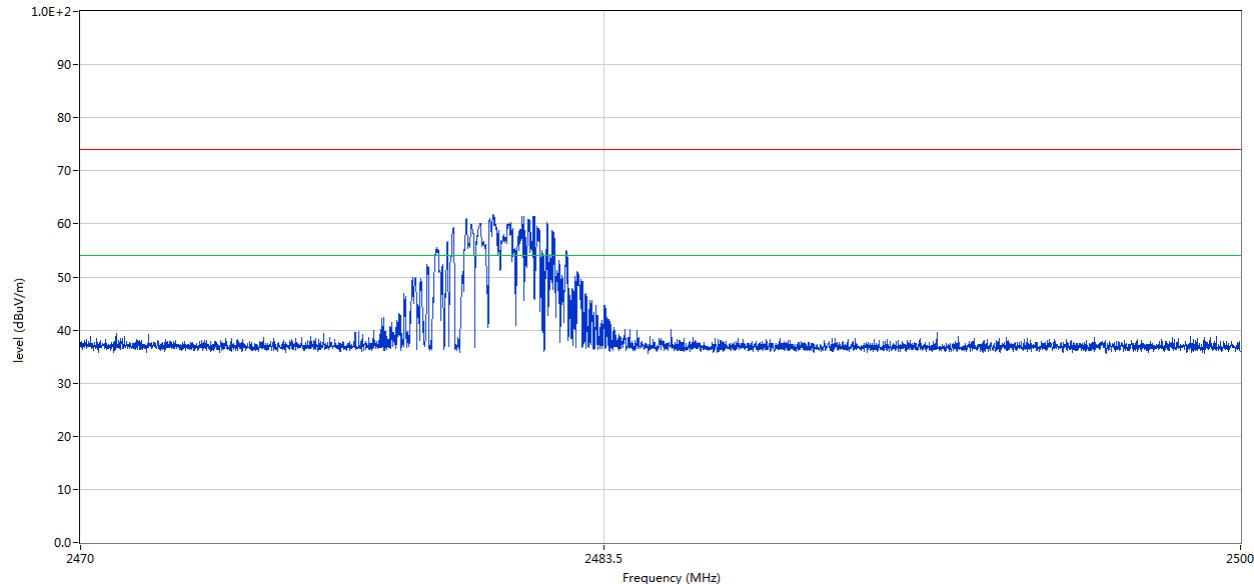
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Product:	Slim Wireless Mouse	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--

FCC Part 15C 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
2	2483.174	45.65	-3.57	74.0	-28.35	Peak	333.00	100	Vertical	Pass

Note: 1. The PK emission level less than the AV limit. No necessary to record the AV emission level.  
2. 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.

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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 3.85dBi Max. It fulfills the requirement of this section.

Test Result: Pass

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

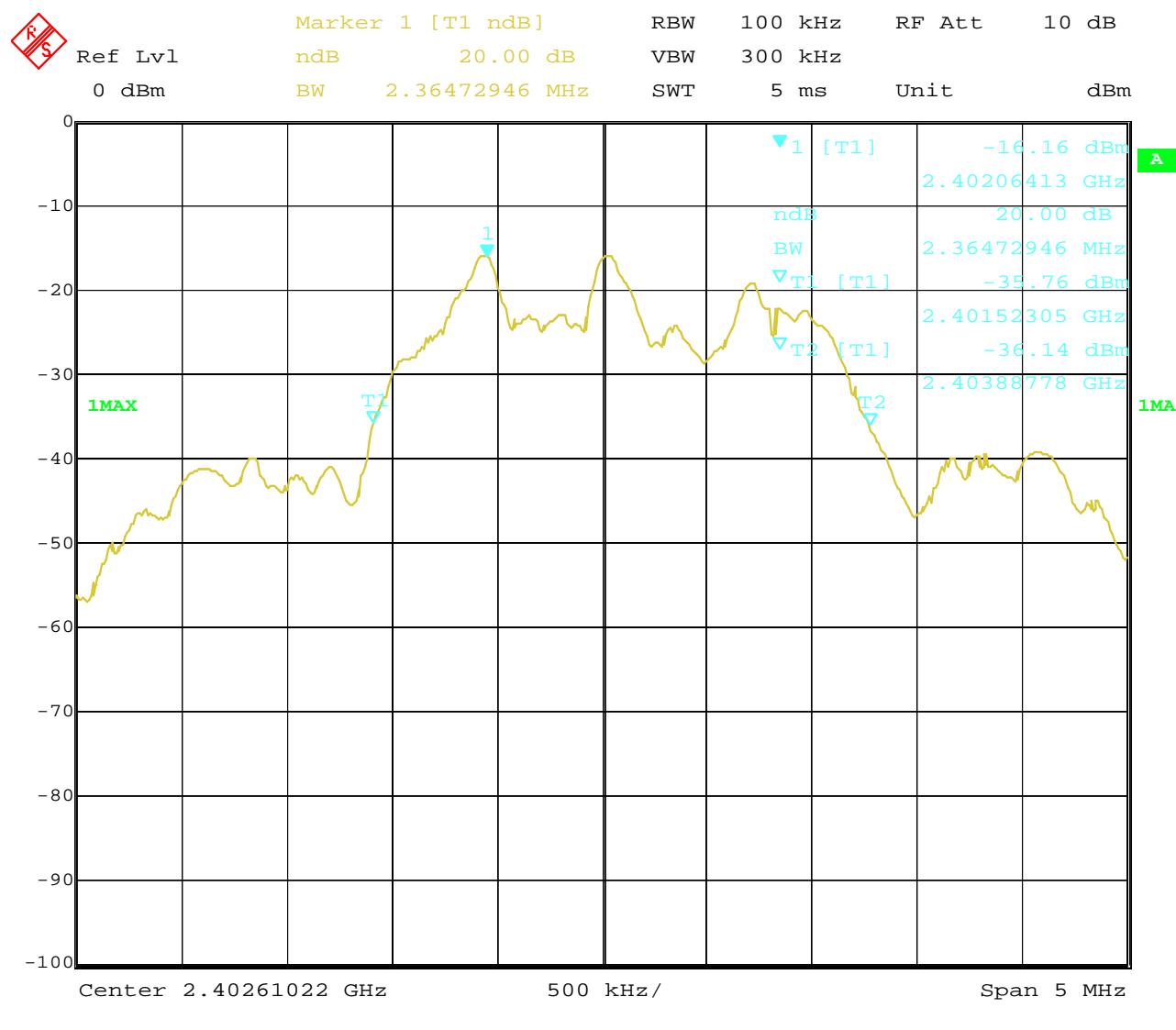
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## 9.0 20dB Bandwidth Measurement

Product:	Slim Wireless Mouse	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	2.365MHz	--	--

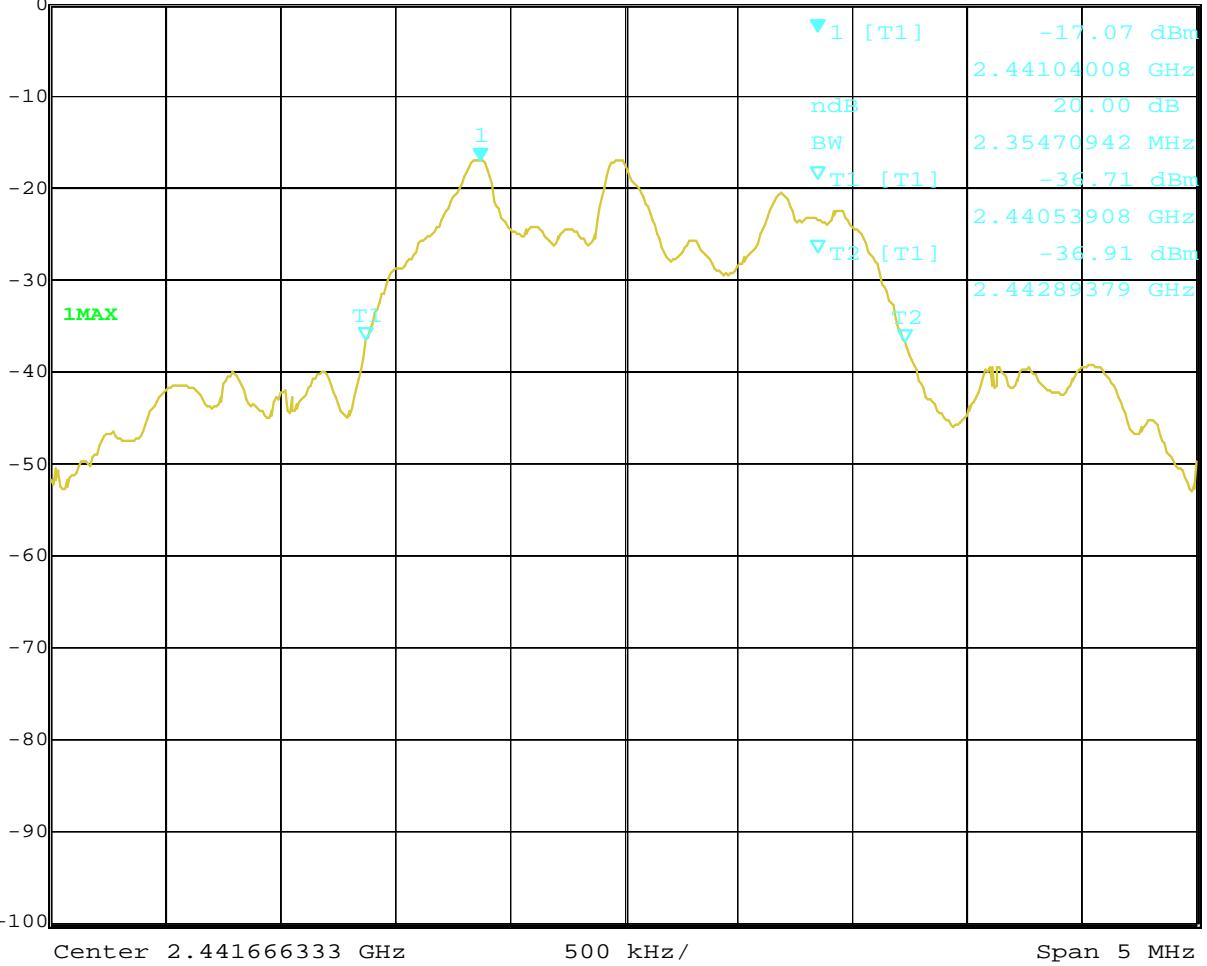


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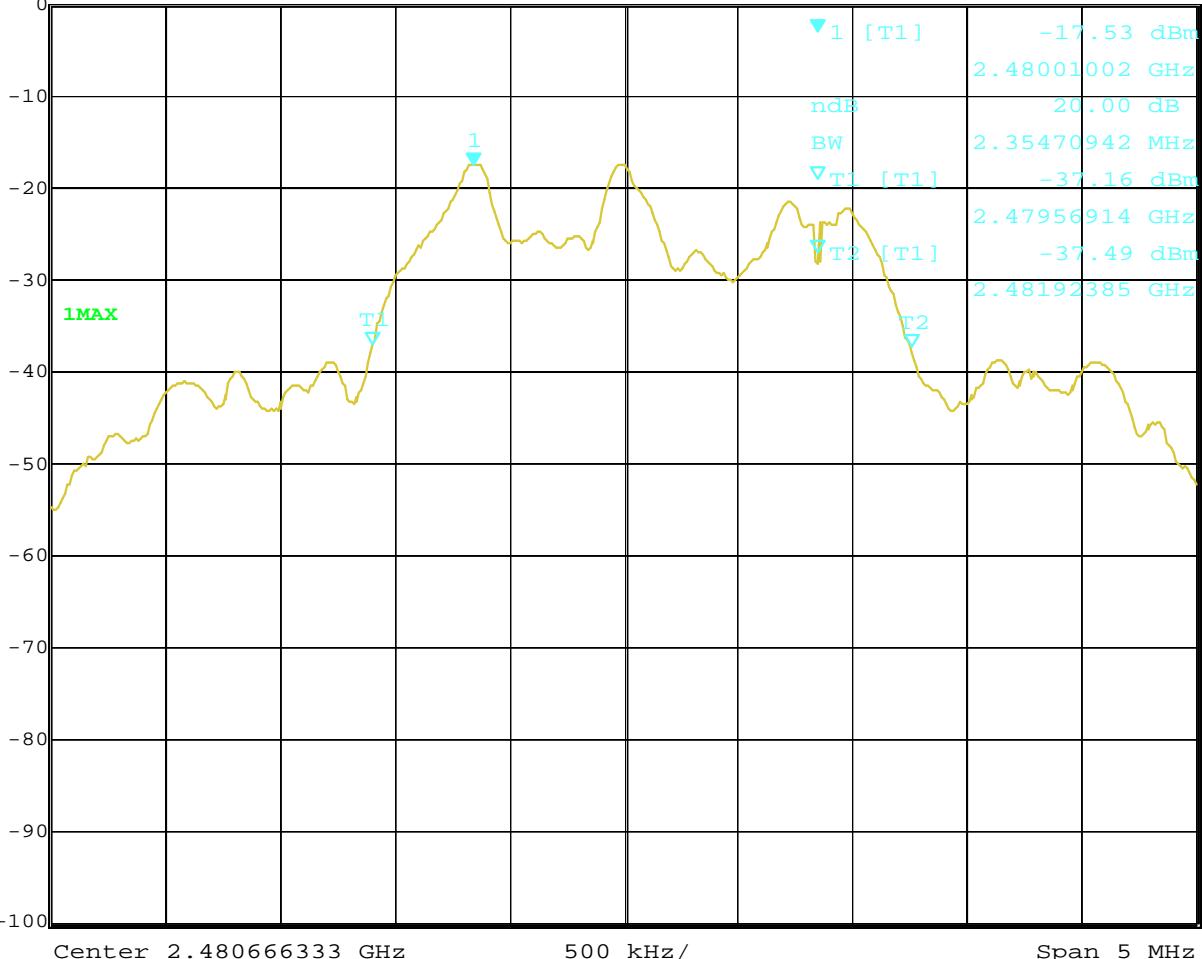
Product:	Slim Wireless Mouse		Test Mode:	Keep transmitting													
Mode	Keeping Transmitting		Test Voltage	DC3.0V													
Temperature	24 deg. C,		Humidity	56% RH													
Test Result:	Pass		Detector	PK													
20dB Bandwidth	2.355MHz		--	--													
 Ref Lvl <table> <tr> <td>Marker 1 [T1 ndB]</td> <td>RBW 100 kHz</td> <td>RF Att 10 dB</td> </tr> <tr> <td>ndB 20.00 dB</td> <td>VBW 300 kHz</td> <td></td> </tr> <tr> <td>0 dBm</td> <td>SWT 5 ms</td> <td>Unit dBm</td> </tr> <tr> <td>BW 2.35470942 MHz</td> <td></td> <td></td> </tr> </table>						Marker 1 [T1 ndB]	RBW 100 kHz	RF Att 10 dB	ndB 20.00 dB	VBW 300 kHz		0 dBm	SWT 5 ms	Unit dBm	BW 2.35470942 MHz		
Marker 1 [T1 ndB]	RBW 100 kHz	RF Att 10 dB															
ndB 20.00 dB	VBW 300 kHz																
0 dBm	SWT 5 ms	Unit dBm															
BW 2.35470942 MHz																	
 <p>The graph shows a spectrum analysis plot with the following parameters:            - Reference Level (Ref Lvl): 0 dBm            - Marker 1 [T1 ndB]: 20.00 dB (at 2.35470942 MHz)            - BW: 2.35470942 MHz            - RBW: 100 kHz            - VBW: 300 kHz            - SWT: 5 ms            - Unit: dBm            - Center Frequency: 2.441666333 GHz            - Span: 5 MHz            The plot displays a single dominant peak at 2.441666333 GHz with a power of 20.00 dB. There are several smaller peaks and noise floor fluctuations across the 5 MHz span.</p>																	
Date: 14.DEC.2021 17:13:32																	

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Product:	Slim Wireless Mouse		Test Mode:	Keep transmitting					
Mode	Keeping Transmitting		Test Voltage	DC3.0V					
Temperature	24 deg. C,		Humidity	56% RH					
Test Result:	Pass		Detector	PK					
20dB Bandwidth	2.355MHz		--	--					
Ref Lvl <span style="margin-left: 20px;"> <b>Marker 1 [T1 ndB]</b>  <b>ndB</b> 20.00 dB  <b>BW</b> 2.35470942 MHz             </span> <span style="margin-left: 20px;"> <b>RBW</b> 100 kHz  <b>VBW</b> 300 kHz  <b>SWT</b> 5 ms             </span> <span style="margin-left: 20px;"> <b>RF Att</b>  <b>Unit</b>  <b>dBm</b> </span> <span style="margin-left: 20px;">10 dB</span>									
 <p>The plot shows a spectrum analysis of the Slim Wireless Mouse. The Y-axis represents power in dBm, ranging from 0 to -100. The X-axis represents frequency in GHz and kHz. The spectrum shows a primary emission at 2.480666333 GHz with a power of 20.00 dB. There are two markers, T1 and T2, indicating specific frequency points. T1 is at 2.35470942 MHz with a power of -37.16 dBm. T2 is at 2.47956914 GHz with a power of -37.49 dBm. The plot also shows a 20 dB bandwidth centered at 2.480666333 GHz. The plot is labeled with '1MAX' and '1MA' on the left and right respectively. The date of the measurement is 14.DEC.2021 at 17:25:00.</p>									
Date: 14.DEC.2021 17:25:00									

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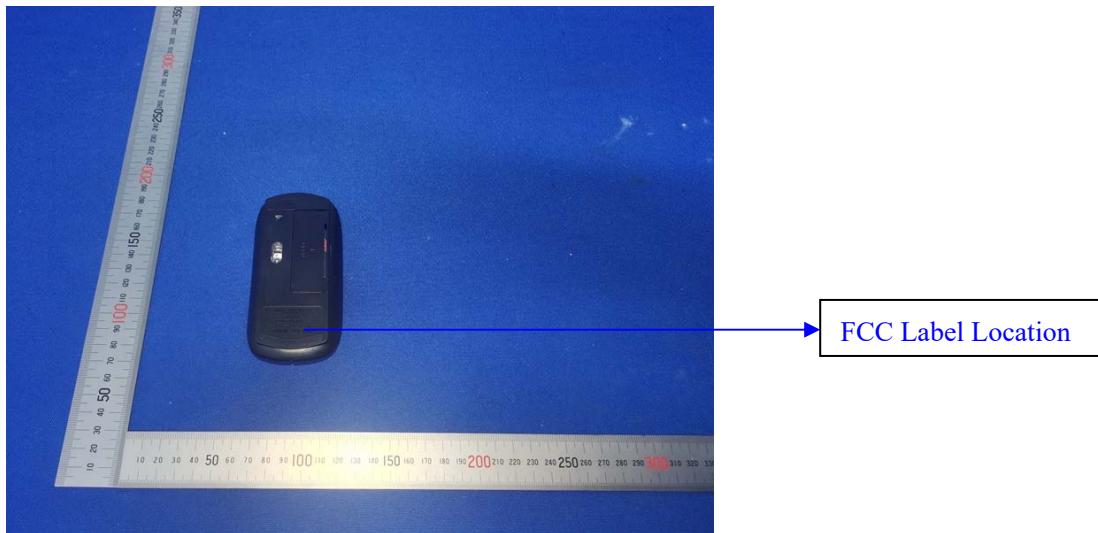


## 10.0 FCC ID Label

**FCC ID: ZJE-MAMW10**

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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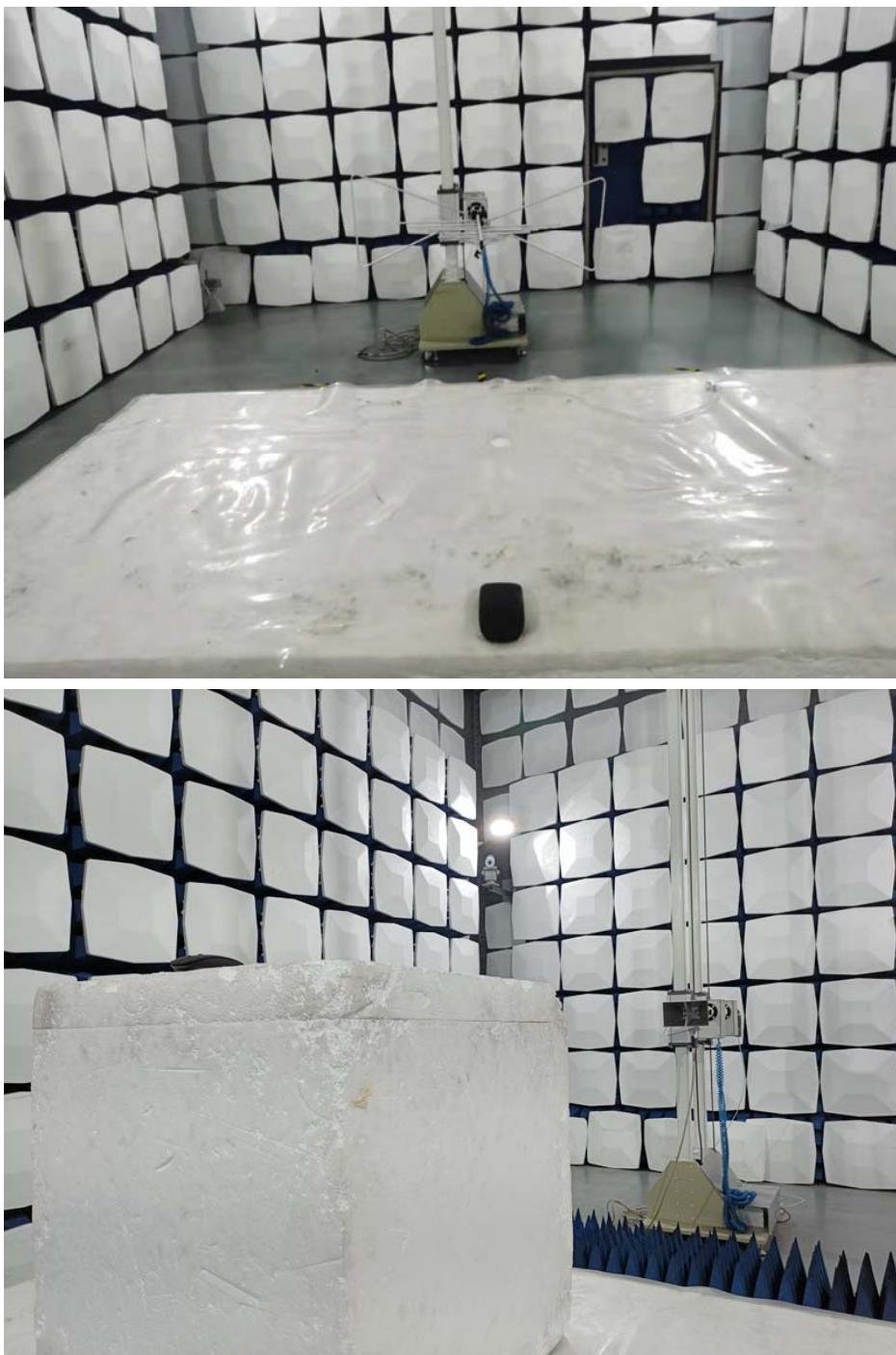
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**11.0** Photo of testing

**11.1** Conducted test View—N/A

Radiated emission test view



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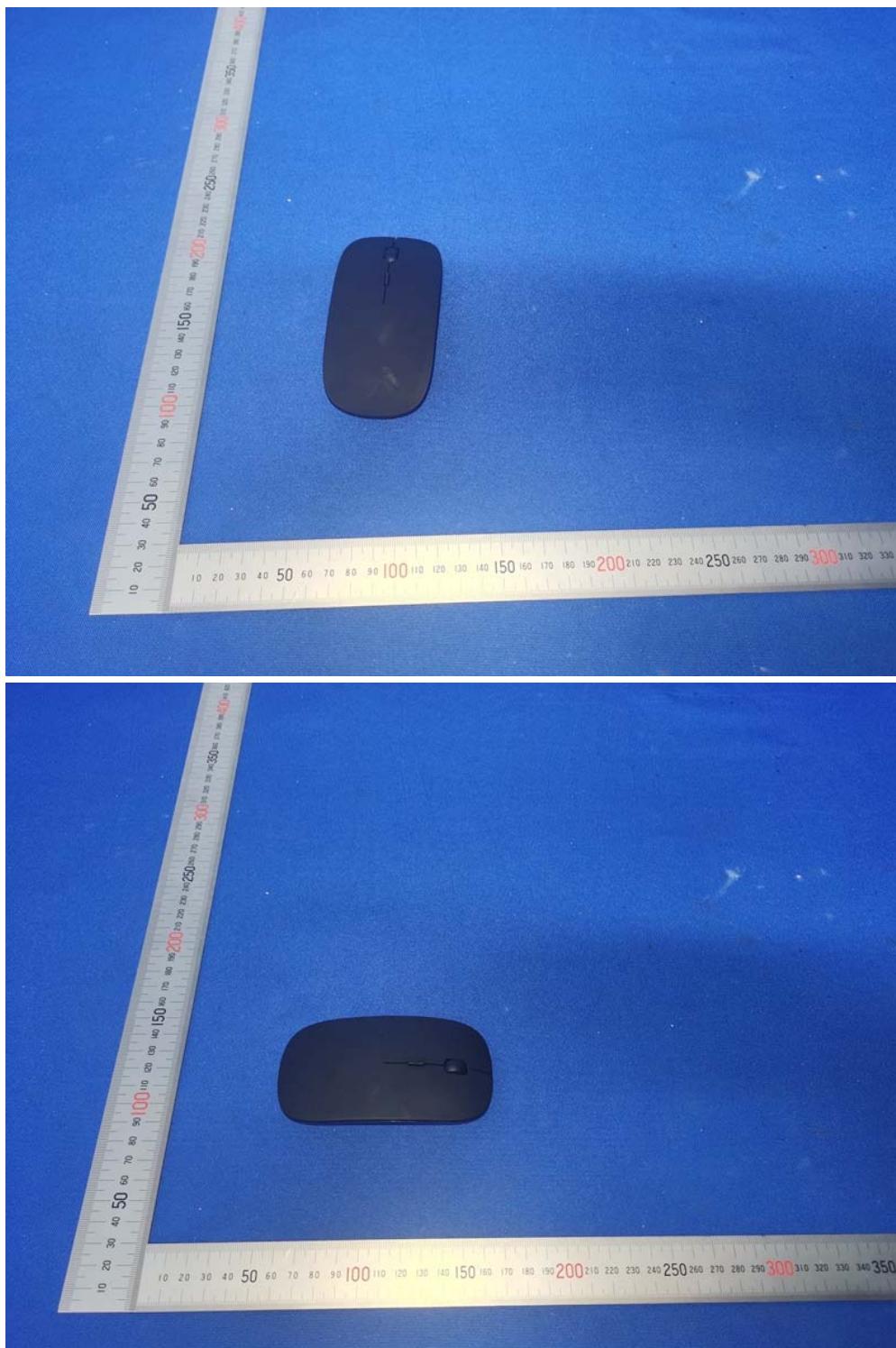
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## 11.2 Photographs – EUT

Outside View



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Photographs – EUT

Outside View



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Outside View



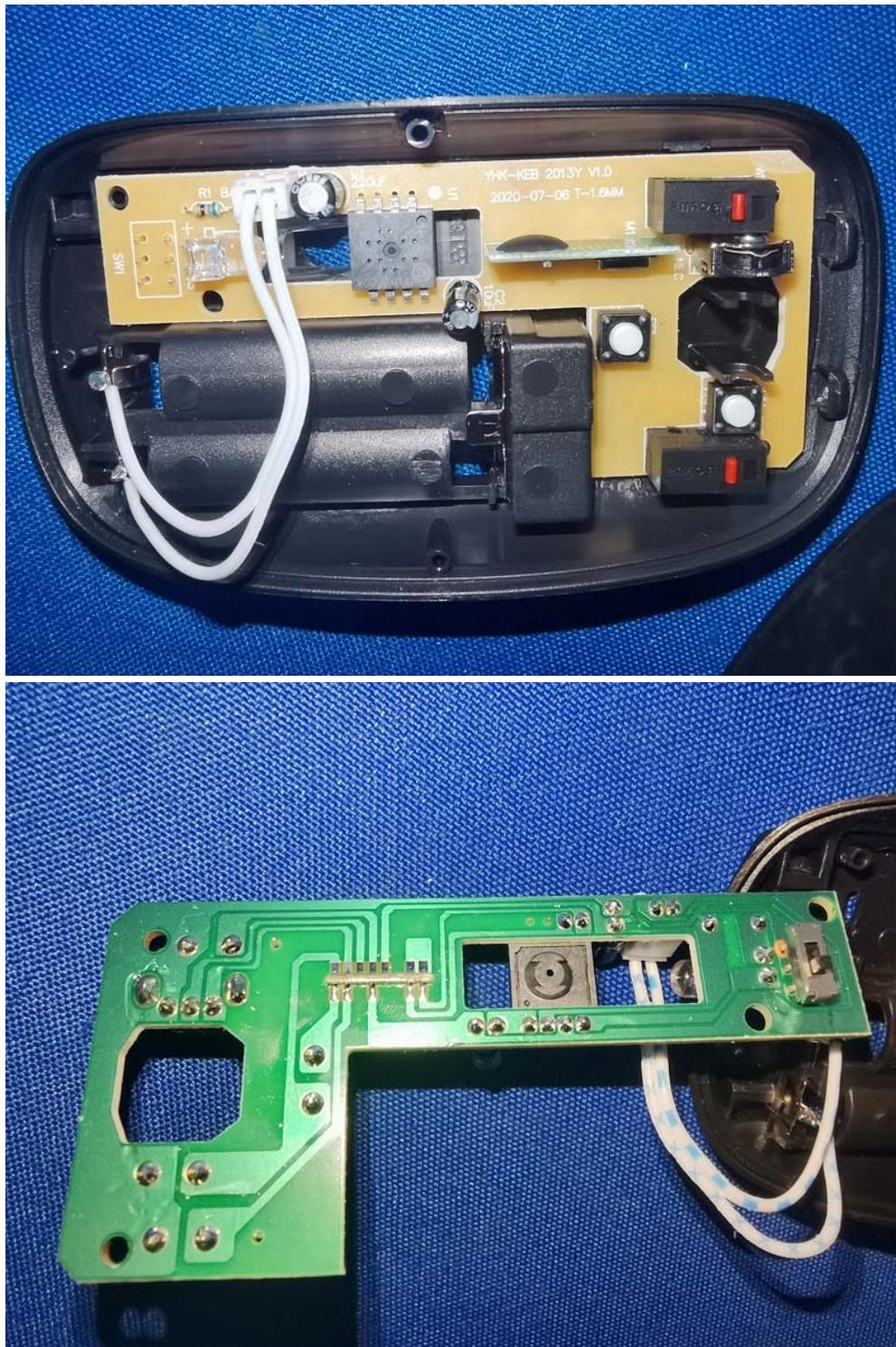
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Inside view



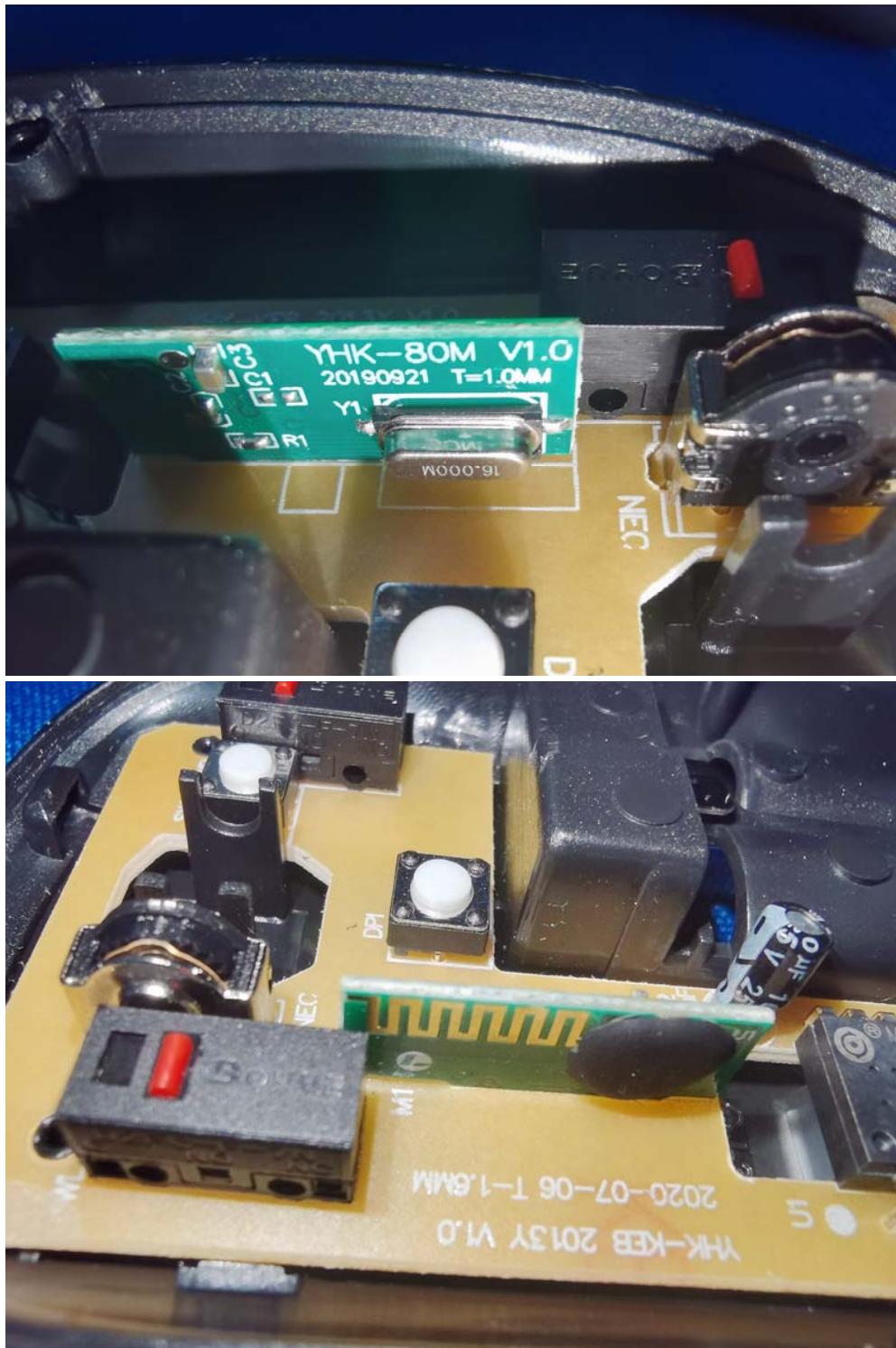
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Inside view



--End of the report--

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