

# 检 验 报 告

报告编号: KEYS223040610001IP-01

产品名称: 便携式迷你剃须刀

型号/规格: MT001

检验类别: 委托检验

委托单位: 深圳市喵小易电子科技有限公司

# 检验报告

产品名称	便携式迷你剃须刀	委托单位名称	深圳市喵小易电子科技有限公司		
型号规格	MT001	委托单位地址	深圳市南山区蛇口街道雷岭社区雷公岭村 37 号-15		
规格:	DC5V, 0. 3A, 2W	生产者(制造商):	深圳市喵小易电子科技有限公司		
商 标:		生产者(制造商)地址:	深圳市南山区蛇口街道雷岭社区雷公岭村 37 号-15		
数 量:	1 pc	生产厂名称	/		
来样方式	送样	生产单厂地址	/		
送样日期:	2023. 04. 23	检验日期:	2023. 04. 23- 2023. 04. 28	检验环境:	20-25°C 50-60%RH
检验依据	GB/T 4208-2017 《外壳防护等级 (IP 代码)》				
检验结论:	合格				
主检:	董建桦		 <p>广东立祥检测技术有限公司 (盖章) 检测专用章 2023年04月28日</p>		
签名:		日期: 2023. 04. 28			
审核:	李孙燕				
签名:		日期: 2023. 04. 28			
批准:	占俊峰				
签名:		日期: 2023. 04. 28			
备注:	/				

## 注 意 事 项

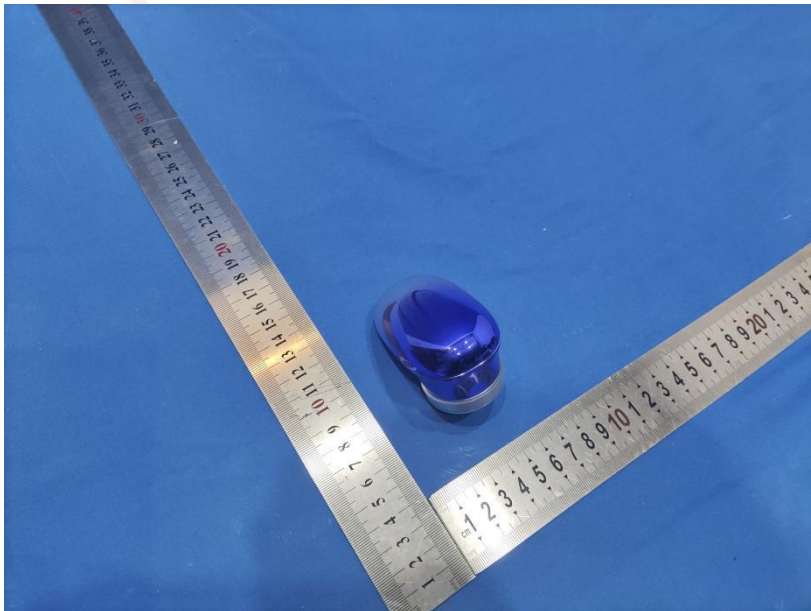
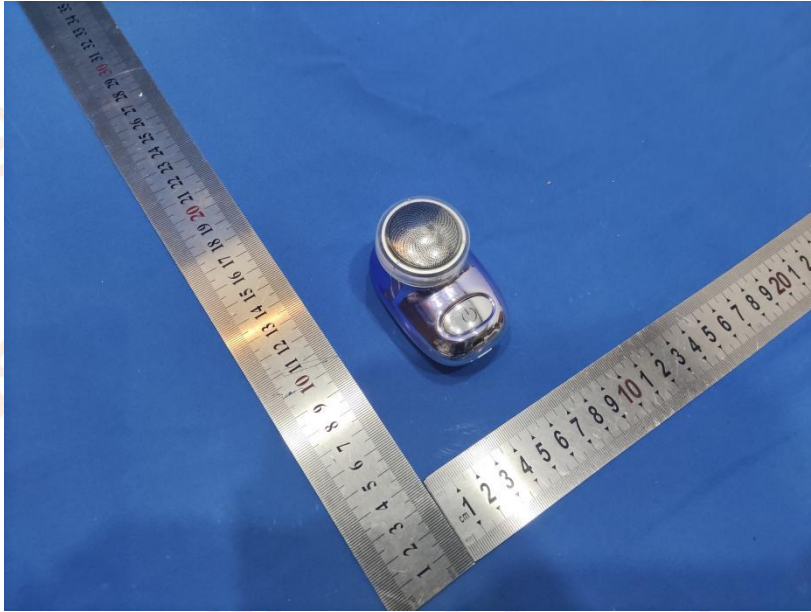
1. 报告无“检验报告专用章”或检验单位公章无效。
2. 复制报告未重新加盖“检验报告专用章”或检验单位公章无效。未经委托单位书面同意,不得复制本报告的任何部分。
3. 报告无主检、审核、批准人签章无效,纸质报告需加盖骑缝章。
4. 报告涂改无效。
5. 若对检验报告持有异议,应于收到报告之日起 15 日内向检验单位提出,逾期不予以处理。
6. 委托检验仅对来样负责。

注:“P”代表单项合格,“F”代表单项不合格,“N”代表未做测试或不考核。

序号	检验项目	标准要求	检验结果	单项结论
	IPX6	IPX6 a) 高度: 低于水面 150mm; b) 试验时间: 30min; IPX6 的接受条件: 受试样品应无进水, 或如果进水, 应不足以影响设备的正常操作或破坏安全性。	试验后, 开盖检查, 样品内无水进入	P

其他重要描述: /

## 样品图片



# 声 明

本报告试验结果仅对受试样品有效

未经许可本报告不得部分复制

对本报告如有异议, 请于收到报告之日起十五天内提出

试验单位: 广东立祥检测技术有限公司

地 址: 广东省东莞市寮步镇横坑松溪路禾合街5号创益智谷产业园B座6楼

邮政编码: 523413

电 话: 0769-89798319

E-mail: [info@keys-lab.com](mailto:info@keys-lab.com)

# CERTIFICATE OF CONFORMITY

Certificate No.: KEYS23042432001RH-03

**Applicant** : Shenzhen Miao Xiaoyi Electronic Technology Co., LTD  
**Address** : No. 37-1503, Leigongling Village, Leiling Community, Shekou Street, Nanshan District, Shenzhen Province  
**Manufacturer** : Shenzhen Miao Xiaoyi Electronic Technology Co., LTD  
**Address** : No. 37-1503, Leigongling Village, Leiling Community, Shekou Street, Nanshan District, Shenzhen Province  
**Product** : Portable Mini shaver  
**Model No.** : MT001

RoHS 2.0 Directive (EU) 2015/863 and (EU)2017/2102 amending Annex II to Directive 2011/65/EU.

The standard(s) used for showing compliance with the essential requirements:

**Applicable Standard(s)**

IEC 62321-3-1: 2013
IEC 62321-4:2013 +AMD1:2017
IEC 62321-5:2013
IEC 62321-6:2015
IEC 62321-7-1:2015
IEC 62321-7-2:2017
IEC 62321-8:2017

The EUT described above has been consolidated by us and found in compliance with the council RoHS 2.0 Directive (EU) 2015/863 and (EU)2017/2102 amending Annex II to Directive 2011/65/EU.

The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production. It is only valid in connection with the test report number. **KEYS23042432001RH-03**

# RoHS



Tony Qian/Approved Signatory  
Date: May. 04, 2023

**Guangdong KEYS Testing Technology Co., Ltd.**

Address: Room 206, Building 1, Huagu Technology Center, No. 6 Hehe Street, Hengkeng, Liaobu Town, Dongguan City, Guangdong Province

6/F., Building B, Chuangyigu Industrial Park, No.5, Hehe Street, Songxi Road, Hengkeng, Liaobu, Dongguan, Guangdong, China/523413

Tel:+ 86-0769-89798319 <http://www.keys-lab.com> E-mail: [info@keys-lab.com](mailto:info@keys-lab.com)

# Test Report

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**Applicant** : Shenzhen Miaoxiaoyi Electronic Technology Co., LTD  
**Address** : No. 37-1503, Leigongling Village, Leiling Community, Shekou Street, Nanshan District,  
Shenzhen Province

The following sample(s) was /were submitted and identified on behalf of the clients as :

**Sample Name** : Portable Mini shaver  
**Sample Model** : MT001  
**Sample Received Date** : Apr. 24, 2023  
**Testing Period** : Apr. 24, 2023 To May. 04, 2023  
**Test Requested** : Selected test (s) in the selected parts as requested by client with the RoHS 2 Directive 2011/65/EU Annex II (EU) 2015/863 as last amended by Directive (EU) 2017/2102.  
**Test Method** : 1. As specified by client, to screen Lead(Pb), Cadmium(Cd), Mercury(Hg), Chromium(Cr) and Bromine(Br) in the submitted sample(s) by XRF.  
2. As specified by client, when screening results exceed the XRF screening limit in IEC 62321-3-1: 2013, further use of wet chemical methods are required to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutylphthalate (DBP), and Diisobutyl phthalate (DIBP) in the submitted sample(s).  
**Test Result** : Please refer to next page(s).  
**Conclusion** : PASS (Based on test results)

Signed for and on behalf of



Tony Qian/Approved Signatory

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**Summary of Test Results:**

TEST REQUEST	CONCLUSION
RoHS Directive 2011/65/EU and its subsequent amendments Directive (EU) 2015/863	--
(1)To determine Lead (Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)),Polybrominated Biphenyls (PBBs) and Polybrominated DiphenylEthers (PBDEs)content by screening test and chemical test	<b>PASS</b>
(2) To determine Phthalates (DBP, BBP, DEHP, DIBP) content by chemical test	<b>PASS</b>

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**Sample Description:**

No.	Name
1	Silver Metal Case
2	Transparent Plastic
3	Black Plastic
4	Silver Wire Mesh
5	Gray Silicone
6	Screw
7	Battery
8	PCB
9	LED
10	Resistance
11	Triode
12	Diode
13	Switch
14	USB-C Port
15	IC
16	Solder
17	LED Chip
18	Red Leather
19	Black Leather

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No.	Name
20	Core
21	Silvery Metal
22	Rotor
23	Electric Brush
24	Copper Wire
25	Magnet
26	Black Foam
27	Silver Blade

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## 1. XRF Test Result:

No.	XRF Result(mg/kg)					Chemical Test (mg/kg)	Conclusion
	Pb	Cd	Hg	Cr	Br		
1	BL	BL	BL	BL	--	--	Pass
2	BL	BL	BL	BL	BL	--	Pass
3	BL	BL	BL	BL	BL	--	Pass
4	BL	BL	BL	BL	--	--	Pass
5	BL	BL	BL	BL	BL	--	Pass
6	BL	BL	BL	BL	--	--	Pass
7	BL	BL	BL	BL	--	--	Pass
8	BL	BL	BL	BL	BL	--	Pass
9	BL	BL	BL	BL	BL	--	Pass
10	BL	BL	BL	BL	--	--	Pass
11	BL	BL	BL	BL	--	--	Pass
12	BL	BL	BL	BL	--	--	Pass
13	BL	BL	BL	BL	--	--	Pass
14	BL	BL	BL	BL	--	--	Pass
15	BL	BL	BL	BL	--	--	Pass
16	BL	BL	BL	BL	--	--	Pass
17	BL	BL	BL	BL	BL	--	Pass
18	BL	BL	BL	BL	BL	--	Pass

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No.	XRF Result(mg/kg)					Chemical Test (mg/kg)	Conclusion
	Pb	Cd	Hg	Cr	Br		
19	BL	BL	BL	BL	BL	--	Pass
20	BL	BL	BL	BL	--	--	Pass
21	BL	BL	BL	BL	--	--	Pass
22	BL	BL	BL	BL	--	--	Pass
23	BL	BL	BL	BL	--	--	Pass
24	BL	BL	BL	BL	--	--	Pass
25	BL	BL	BL	BL	--	--	Pass
26	BL	BL	BL	BL	BL	--	Pass
27	BL	BL	BL	BL	--	--	Pass

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**Remark:**

1. It is the result on total Br while test item on restricted substances in PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr(VI).

2. Screening test by XRF spectroscopy

XRF screening limits in mg/kg for regulated elements according to IEC 62321-3-1: 2013 Annex A.

Element	Polymer Material	Metallic Material	Composite Material
Pb	$BL \leq 700 - 3\sigma \leq X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma \leq X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma \leq X < 1500 + 3\sigma \leq OL$
Cd	$BL \leq 70 - 3\sigma \leq X < 130 + 3\sigma \leq OL$	$BL \leq 70 - 3\sigma \leq X < 130 + 3\sigma \leq OL$	$LOD < X < 150 + 3\sigma \leq OL$
Hg	$BL \leq 700 - 3\sigma \leq X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma \leq X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma \leq X < 1500 + 3\sigma \leq OL$
Cr	$BL \leq 700 - 3\sigma < X$	$BL \leq 700 - 3\sigma < X$	$BL \leq 500 - 3\sigma < X$
Br	$BL \leq 300 - 3\sigma < X$	--	$BL \leq 250 - 3\sigma < X$

**XRF detection limits in mg/kg for regulated elements in various material**

Element	Polymer Material	Metallic Material	Composite Material
Pb	10	50	50
Cd	10	50	50
Hg	10	50	50
Cr	10	50	50
Br	10	50	50

- Note:**
- BL = Under the XRF screening limit
  - OL = Future chemical test will be conducted while result is above the screening limit
  - X = The symbol "X" marks the region where further investigation is necessary
  - 3σ = The reproducibility of analytical instruments
  - LOD = Detection limit

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## 2. Wet Chemical Test

Test Item(s)	Test Method/ Test Equipment	Unit	Limit	MDL
Cadmium(Cd)	IEC 62321-5:2013, ICP-OES	mg/kg	100	2
Lead(Pb)	IEC 62321-5:2013, ICP-OES	mg/kg	1000	2
Mercury(Hg)	IEC 62321-4:2013+AMD1:2017, ICP-OES	mg/kg	1000	2
Hexavalent Chromium(CrVI) (Metal)	IEC 62321-7-1:2015, UV-Vis	µg/cm <sup>2</sup>	0.13	0.1
Hexavalent Chromium(CrVI) (Nonmetal)	IEC 62321-7-2:2017, UV-Vis	mg/kg	1000	8
PBBs (Next form)	IEC 62321-6:2015, GC-MS	mg/kg	1000	5
PBDEs (Next form)	IEC 62321-6:2015, GC-MS	mg/kg	1000	5
Dibutyl Phthalate(DBP)	IEC 62321-8:2017, GC-MS	mg/kg	1000	30
Butyl benzyl phthalate (BBP)	IEC 62321-8:2017, GC-MS	mg/kg	1000	30
Di-(2-ethylhexyl) Phthalate(DEHP)	IEC 62321-8:2017, GC-MS	mg/kg	1000	30
Diisobutyl phthalate (DIBP)	IEC 62321-8:2017, GC-MS	mg/kg	1000	30

PBBs		PBDEs	
Monobromobiphenyl	Hexabromobiphenyl	Monobromodiphenyl ether	Hexabromodiphenyl ether
Dibromobiphenyl	Heptabromobiphenyl	Dibromodiphenyl ether	Heptabromodiphenyl ether
Tribromobiphenyl	Octabromobiphenyl	Tribromodiphenyl ether	Octabromodiphenyl ether
Tetrabromobiphenyl	Nonabromobiphenyl	Tetrabromodiphenyl ether	Nonabromodiphenyl ether
Pentabromobiphenyl	Decabromobiphenyl	Pentabromodiphenyl ether	Decabromodiphenyl ether

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**Note:**

1. mg/kg= ppm=0.0001%
2. N.D.= Not Detected(<MDL)
3. MDL = Method Detection Limit
4. -- = No Testing
5. When Cr (VI) in a sample is detected below the 0.10 µg/cm<sup>2</sup> LOQ (limit of quantification), the sample is considered to be negative for Cr (VI). Since Cr (VI) may not be uniformly distributed in the coating even within the same sample batch, a "grey zone" between 0.10 µg/cm<sup>2</sup> and 0.13 µg/cm<sup>2</sup> has been established as "inconclusive" to reduce inconsistent results due to unavoidable coating variations. In this case, additional testing may be necessary to confirm the presence of Cr (VI). When Cr (VI) is detected above 0.13 µg/cm<sup>2</sup>, the sample is considered to be positive for the presence of Cr (VI) in the coating layer. Unavoidable coating variations may influence the determination Information on storage conditions and production date of the tested sample is unavailable and thus Cr (VI) results represent status of the sample at the time of testing.

**3. Phthalate Test Result:**

Test Item(s)	No.2	No.3	No.5	No.8	No.9
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	N.D.
Butyl benzyl phthalate (BBP)	N.D.	N.D.	N.D.	N.D.	N.D.
Di-(2-ethylhexyl) Phthalate(DEHP)	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	N.D.	N.D.
Test Item(s)	No.17	No.18	No.19	No.26	--
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	--
Butyl benzyl phthalate (BBP)	N.D.	N.D.	N.D.	N.D.	--
Di-(2-ethylhexyl) Phthalate(DEHP)	N.D.	N.D.	N.D.	N.D.	--
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	N.D.	--

**Note:**

1. mg/kg= ppm=0.0001%
2. N.D.= Not Detected(<MDL)

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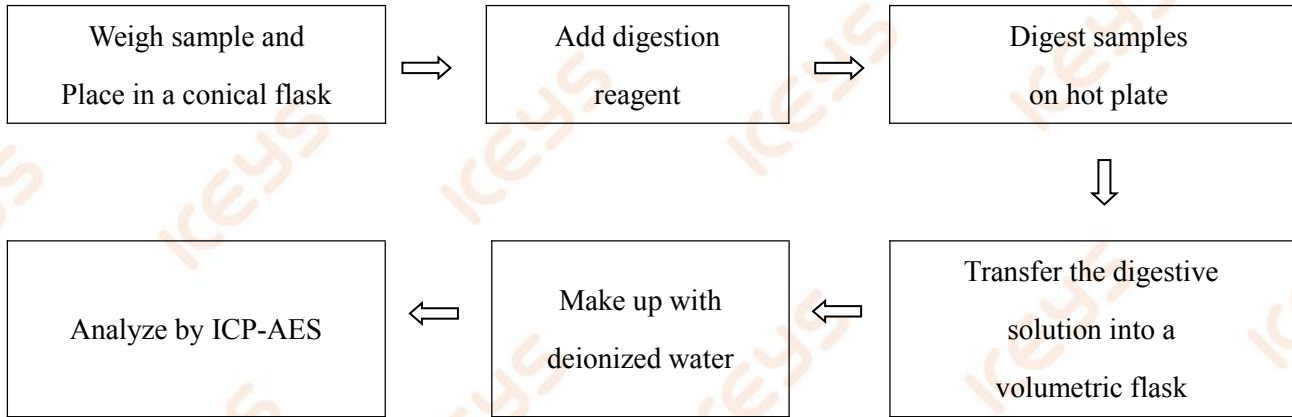
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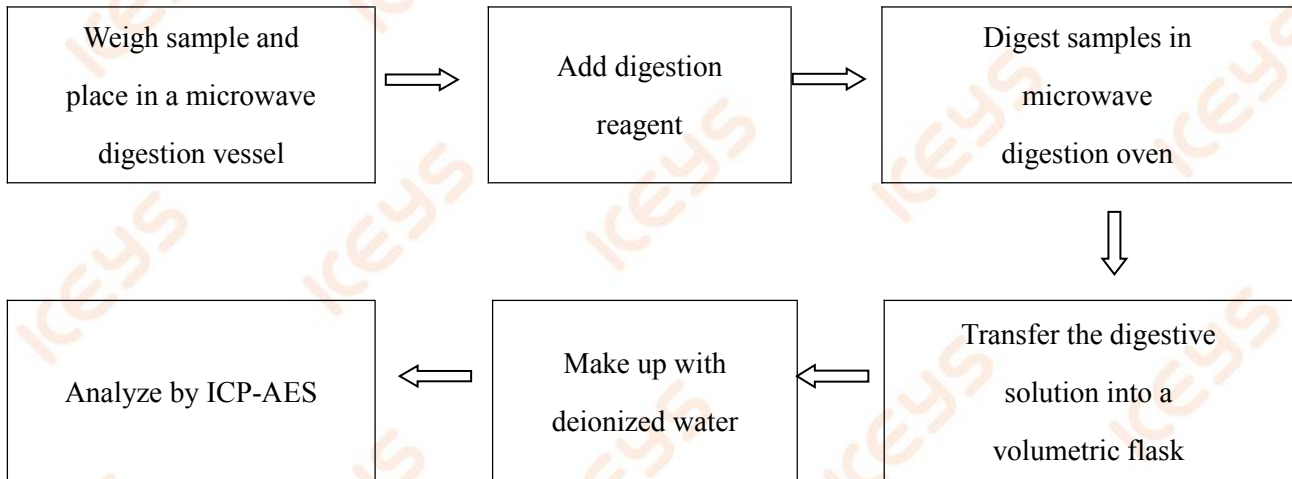


**Test Process:**

## 1. Test for Cd/Pb Content



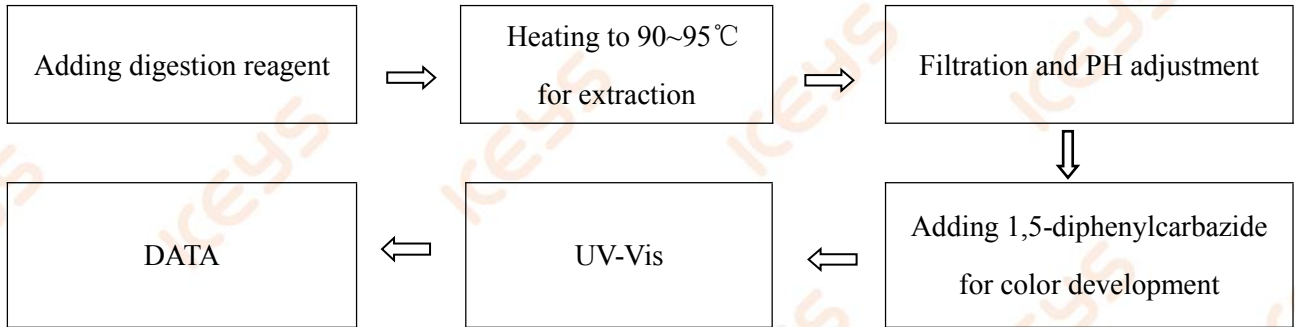
## 2. Test for Hg Content



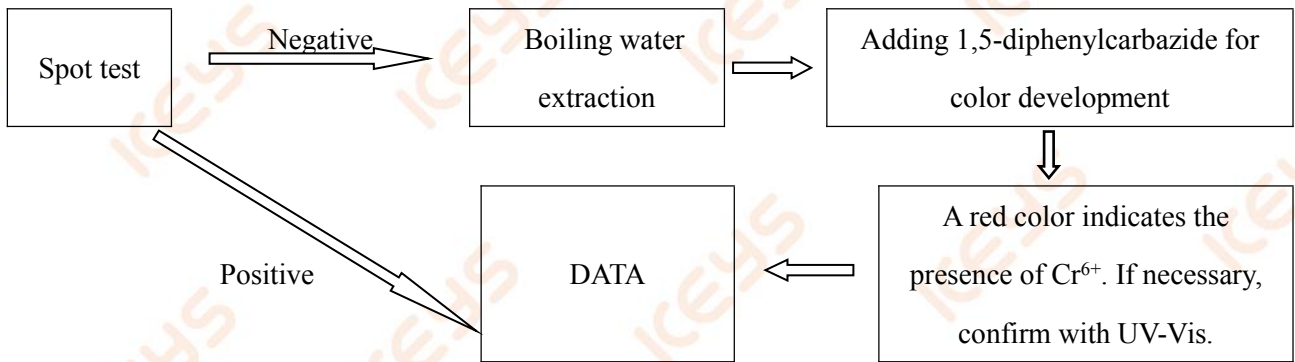
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### 3. Test for Chromium (VI) Content

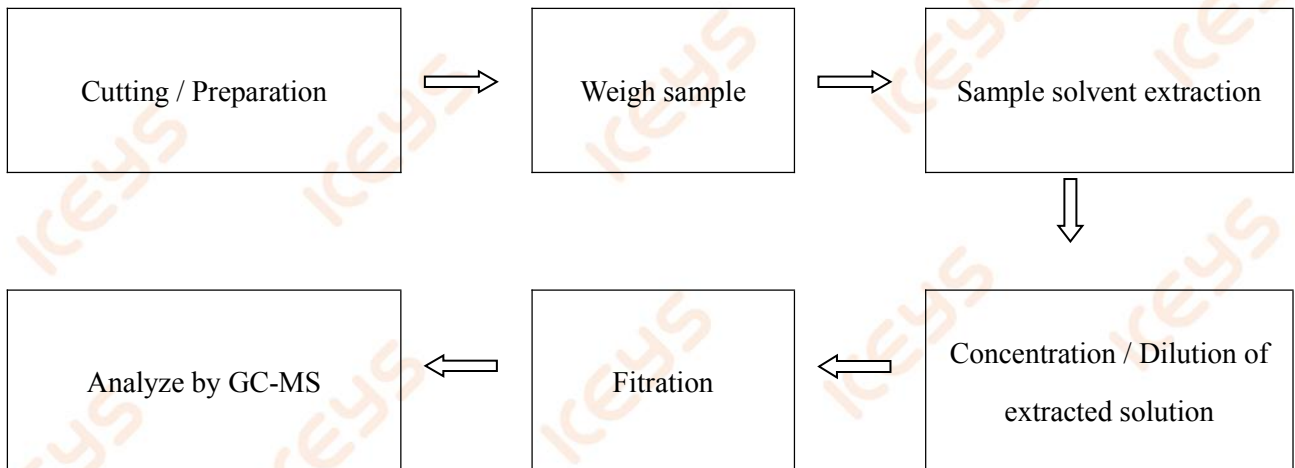
Nonmetal material



Metal material



### 4. Test for DBP, BBP, DEHP, DIBP, PBB, PBDE Content



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Address: Room 206, Building 1, Huagu Technology Center, No. 6 Hehe Street, Hengkeng, Liaobu Town, Dongguan City, Guangdong Province  
6/F., Building B, Chuangyigu Industrial Park, No.5, Hehe Street, Songxi Road, Hengkeng, Liaobu, Dongguan, Guangdong, China/523413  
Tel: 0769-89798319 E-mail: info@keys-lab.com Web: <http://www.keys-lab.com>

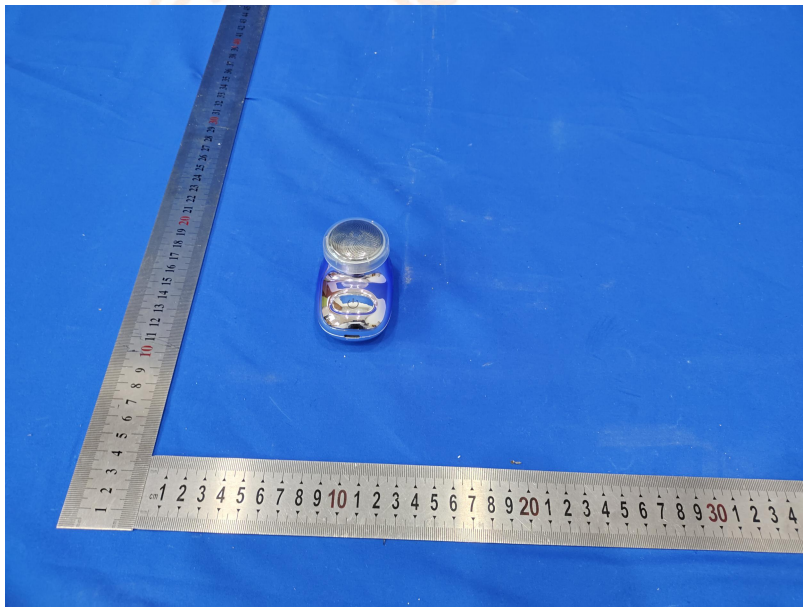
# Test Report

Report No: KEYS23042432001RH-03

Date: May. 04, 2023

Page 12 of 13

**Sample Photo:**



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Tel: 0769-89798319 E-mail: info@keys-lab.com Web: <http://www.keys-lab.com>

# Test Report

Report No: KEYS23042432001RH-03

Date: May. 04, 2023

Page 13 of 13



\*\*\* End of Report \*\*\*

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Liaobu, Dongguan, Guangdong, China/523413  
Tel: 0769-89798319 E-mail: info@keys-lab.com Web: <http://www.keys-lab.com>

# CERTIFICATE OF CONFORMITY

Certificate No.: KEYS230402432001FC-02

**Applicant** : Shenzhen Miaoxiaoyi Electronic Technology Co., LTD  
**Address** : No. 37-1503, Leigongling Village, Leiling Community, Shekou Street, Nanshan District, Shenzhen  
**Manufacturer** : Shenzhen Miaoxiaoyi Electronic Technology Co., LTD  
**Address** : No. 37-1503, Leigongling Village, Leiling Community, Shekou Street, Nanshan District, Shenzhen  
**Trade mark** : N/A  
**Product** : Portable Mini shaver  
**Model No.** : MT001

The submitted sample of the above equipment has been tested and found to comply with the following requirement of 47 CFR of PART 15.

The assessment of compliance of the product with the requirements relating to FCC rules was based on the following standards and procedure:

**Applicable Standard(s)** FCC Part 15, Subpart B  
ANSI C63.4:2014

This verification is part of the full test report(s) and should be read in conjunction with it. This verification is based on an evaluation of one sample of above mentioned product. It does not imply assessment of the production of the product. Without the written approval of Guangdong KEYS Testing Technology Co.,Ltd., this verification is not permitted to be reproduced, except in full. It is not permitted to use the test lab's logo.



Jason zhan  
Manager

Date: April 28, 2023

**Guangdong KEYS Testing Technology Co., Ltd.**

6 / f, Building B, Chuangyigu Industrial Park, No.5 Hehe Street, Songxi Road, Hengkeng, Liaobu, Dongguan, Guangdong, China

Tel:+ 86-0769-89798319

<http://www.keys-lab.com> E-mail: [info@keys-lab.com](mailto:info@keys-lab.com)

# **FCC TEST REPORT**

for

**Product: Portable Mini shaver**

**Model: MT001**

**Report No.: KEYS23042432001FC-02**

Issued for

**Shenzhen Miao Xiaoyi Electronic Technology Co., LTD**

**No. 37-1503, Leigongling Village, Leiling Community, Shekou Street,  
Nanshan District, Shenzhen**

Issued by

**Guangdong KEYS Testing Technology Co., Ltd.**

**6 / f, Building B, Chuangyigu Industrial Park, No.5 Hehe Street, Songxi Road,  
Hengkeng, Liaobu, Dongguan, Guangdong, China**

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## 1. TEST CERTIFICATION

Product:	Portable Mini shaver
Trade marks:	N/A
Model:	MT001
Applicant :	Shenzhen Miaoxiaoyi Electronic Technology Co., LTD
Address:	No. 37-1503, Leigongling Village, Leiling Community, Shekou Street, Nanshan District, Shenzhen
Manufacturer:	Shenzhen Miaoxiaoyi Electronic Technology Co., LTD
Address:	No. 37-1503, Leigongling Village, Leiling Community, Shekou Street, Nanshan District, Shenzhen
Test Date:	April 21, 2023 to April 27, 2023
Issued Date:	April 28, 2023
Test Voltage:	DC5V,0.3A
Applicable Standards:	FCC Part 15, Subpart B Class B ANSI C63.4:2014

The above equipment has been tested by Guangdong KEYS Testing Technology Co., Ltd. and found compliance with the requirements in the technical standards mentioned above. The test results presented in this report only relate to the product/system tested. The Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Test Engineer:

Technical Manager:

Sunny Li / Engineer  
  
Jason Zhan / Manager



## 2. TEST SUMMARY

EMISSION			
Standard	Item	Result	Remarks
FCC 47 CFR Part 15 Class B	Conducted Emission (Main Port)	N/A	Complied with limit
	Radiated Emission	PASS	Complied with limit

Note: 1) The test result verdict is decided by the limit of test standard.

2) The information of measurement uncertainty is available upon the customer's request.

### 3. TEST SITE

#### 3.1. TEST FACILITY

Guangdong KEYS Testing Technology Co., Ltd.

Address: 6 / f, Building B, Chuangyigu Industrial Park, No.5 Hehe Street, Songxi Road, Hengkeng, Liaobu, Dongguan, Guangdong, China

#### 3.2. MEASUREMENT UNCERTAINTY

Parameter	Uncertainty
Temperature	$\pm 1^{\circ} \text{C}$
Humidity	$\pm 5\%$
DC and Low Frequency Voltages	$\pm 3\%$
Conducted Emission(150KHz-30MHz)	$\pm 3.60\text{dB}$
Radiated Emission(30MHz-1GHz)	$\pm 4.76\text{dB}$
Radiated Emission (1GHz-18GHz)	$\pm 4.44\text{dB}$

Note 1: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

#### 3.3. LIST OF TEST AND MEASUREMENT INSTRUMENTS

##### 3.3.1. For conducted emission at the mains terminals test

Name of Equipment	Manufacturer	Model	Serial No.	Calibration Due
EMI Test Receiver	Rohde&Schwarz	ESCI	101417	Sep. 18, 2023
Artificial Mains Network	Rohde&Schwarz	L2-16B	000WX31025	Sep. 18, 2023
Artificial Mains Network	Rohde&Schwarz	ENV216	101342	Sep. 18, 2023

**3.3.2. For radiated emission test (30MHz-1GHz)**

Name of Equipment	Manufacturer	Model	Serial No.	Calibration Due
EMI Test Receiver	Rohde&Schwarz	ESCI	101417	Sep. 18, 2023
Bilog Antenna	SCHWARZBECK	VULB 9168	9168-572	Sep. 20 20223
Preamplifier (low frequency)	SCHWARZBECK	BBV 9475	9745-0013	Sep. 18, 2023

**3.3.3. For radiated emission test (1GHz above)**

Name of Equipment	Manufacturer	Model	Serial No.	Calibration Due
EMI Test Receiver	Rohde&Schwarz	ESCI	101417	Sep. 18, 2023
Spectrum Analyzer	Agilent	E4407B	MY45109572	Oct. 11, 2023
Horn Antenna	SCHWARZBECK	9120D	9120D-1246	Sep. 25 2023
LOW NOISE AMPLIFIER	ZHINAN	ZN3380C	15002	Sep. 18, 2023

#### 4. EUT DESCRIPTION

<b>Product</b>	Portable Mini shaver
<b>Model</b>	MT001
<b>Supplied Voltage</b>	DC5V,0.3A
<b>Power</b>	N/A

#### I/O PORT

I/O PORT TYPES	Q'TY	TESTED WITH
AC Port	1	<input type="checkbox"/>
DC Port	1	<input checked="" type="checkbox"/>

#### Models Difference

## 5. TEST METHODOLOGY

### 5.1. TEST MODE

The EUT was tested together with the thereafter additional components, and a configuration, which produced the worst emission levels, was selected and recorded in this report.

The following test mode(s) were assessed.

Test Items		Test Mode
Emission	Conducted Emission	N/A
	Radiated Emission	Working

### 5.2. EUT SYSTEM OPERATION

1. Set up EUT with the support equipment.
2. Make sure the EUT work normally during the test.

## 6. SETUP OF EQUIPMENT UNDER TEST

### 6.1. DESCRIPTION OF SUPPORT UNITS

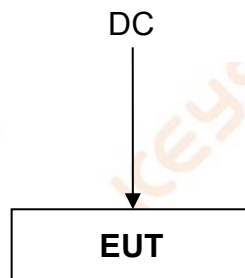
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No.	Equipment	Model	Serial No.	Trade Name
1.	N/A	N/A	N/A	N/A

Note: 1) All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.

2) Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

### 6.2. CONFIGURATION OF SYSTEM UNDER TEST



(EUT: Portable Mini shaver)

## 7. CONDUCTED EMISSION MEASUREMENT

### 7.1. LIMITS

FREQUENCY (MHz)	Class A		Class B	
	Quasi-peak dB( $\mu$ V)	Average dB( $\mu$ V)	Quasi-peak dB( $\mu$ V)	Average dB( $\mu$ V)
0.15 - 0.5	79	66	66-56	56-46
0.5 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

Note: 1) The lower limit shall apply at the transition frequencies.

2) The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

### 7.2. TEST PROCEDURES

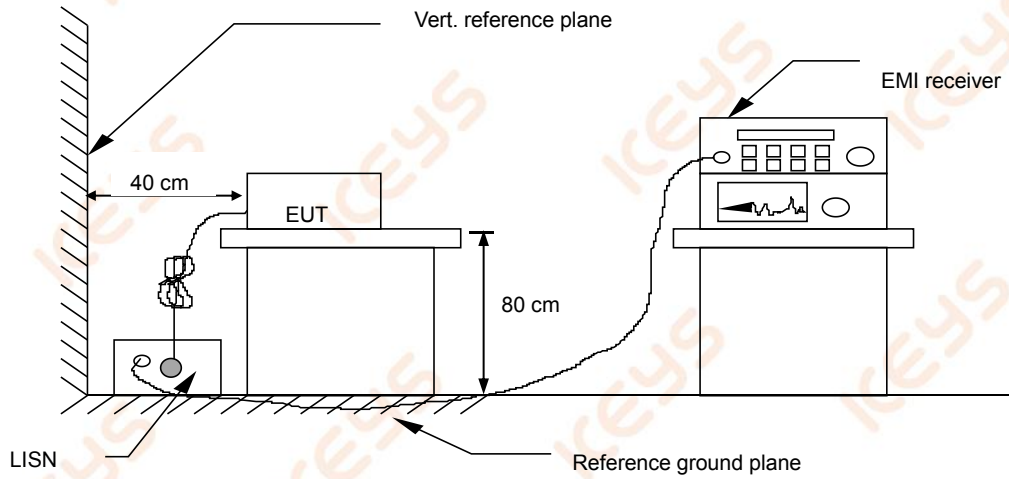
The EUT and Support equipment, if needed, was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane. When the EUT is floor standing equipment, it is placed on the ground plane, which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane. The EUT should be 0.8 m apart from the AMN, where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, Details please refer to test setup photography.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes. During the above scans, the emissions were maximized by cable manipulation.

A scan was taken on both of the power lines, Line and neutral, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. The test data of the worst-case condition(s) was recorded.

Note: Test Software Name: e3, Software Version: 1.0.0.0.

## 7.3. TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

## 7.4. TEST RESULT

N/A



## 7.5. LIMITS

Maximum permissible level of Radiated Emission measured at 3 meter distance.

FREQUENCY (MHz)	dB $\mu$ V/m (At 3m)	
	Class A digital device	Class B digital device
30~88	49.00	40.00
88~216	53.50	43.50
216~960	56.40	46.00
960~1000	59.50	54.00

Note: 1) The lower limit shall apply at the transition frequencies.

2) Emission level (dB $\mu$ V/m) = 20 log Emission level ( $\mu$ V/m).

## 7.6. TEST PROCEDURE

The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is floor standing equipment, it is placed on the ground plane which has a 0.1 m non-conductive covering to insulate the EUT from the ground plane.

The antenna was placed at 3 meter away from the EUT. The antenna connected to the spectrum analyzer via a cable and at times a pre-amplifier would be used.

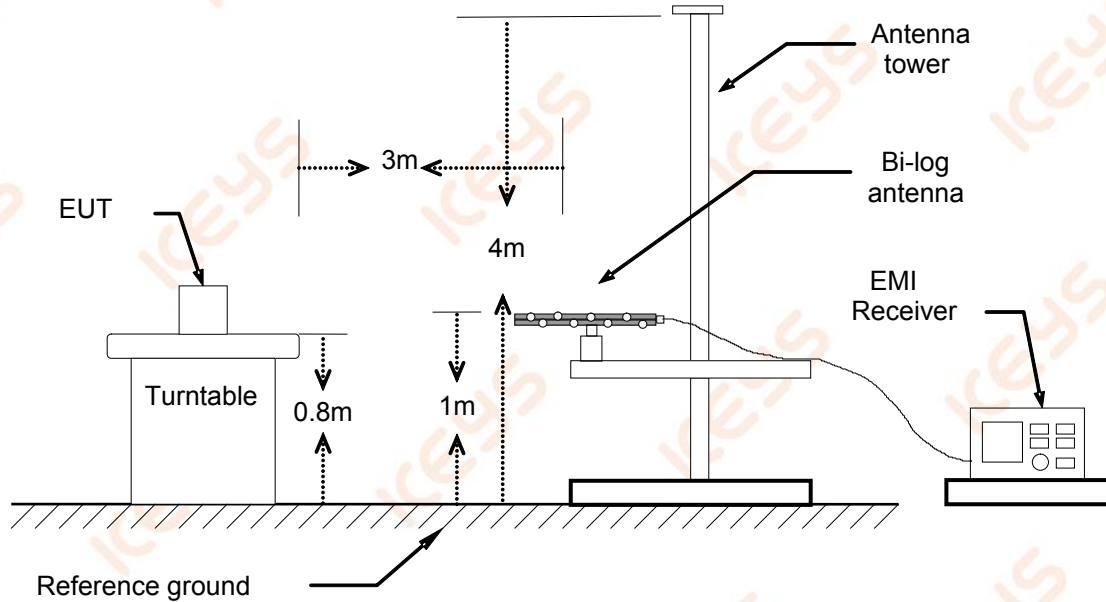
The analyzer / receiver quickly scanned from 30 MHz to 1000 MHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.

During the above scans, the emissions were maximized by cable manipulation. Each modes is measured, recorded at least the six highest emissions. The emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit and only Q.P. reading is presented.

The test data of the worst-case condition(s) was recorded.

Note: Test Software Name: e3, Software Version: 8.2.1.0.

## 7.7. TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration

## 7.8. TEST RESULT

<b>Product name</b>	Portable Mini shaver	<b>Antenna Distance</b>	3 m
<b>Model</b>	MT001	<b>Antenna Pole</b>	Vertical / Horizontal
<b>Test Mode</b>	Working	<b>Detector Function</b>	Peak / Quasi-peak
<b>Environmental Conditions</b>	24.0°C, 55.1 % RH, 101.2 kPa	<b>6 dB Bandwidth</b>	120 kHz
<b>Tested by</b>	Brian	<b>Test Result</b>	Pass

Note:

Freq. = Emission frequency in MHz

Reading level (dB $\mu$ V) = Receiver reading(dB $\mu$ V)

Corr.Factor (dB/m)=Antenna factor(dB/m)+Cable loss(dB)-Preamp Factor(dB)

Measurement (dB $\mu$ V/m)=Reading level(dB $\mu$ V)+ Corr. Factor (dB/m)

Limit (dB $\mu$ V/m) = Limit stated in standard

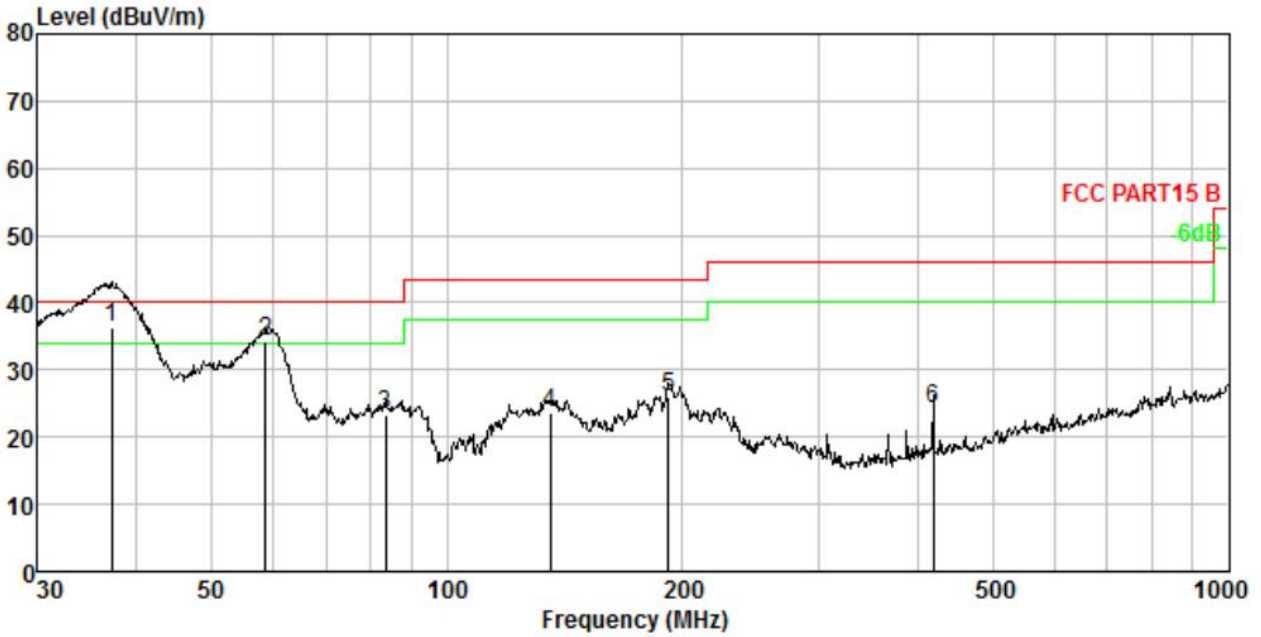
Over Limit (dB) = Measurement (dB $\mu$ V/m) – Limit (dB $\mu$ V/m)

QP = Quasi-Peak

The highest frequency of the internal sources of the EUT was less than 108 MHz, so the measurement was only made up to 1 GHz.

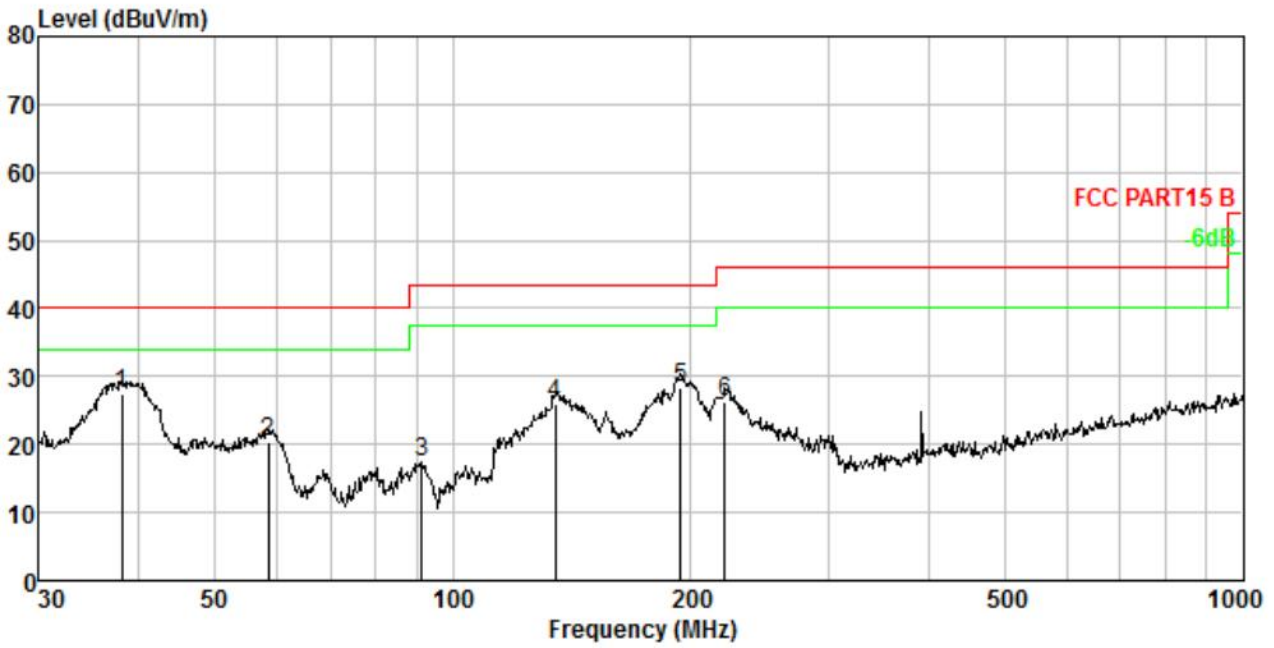
Please refer to the following diagram:

Vertical:



No.	Freq MHz	Cable Loss dB	ANT Factor dB/m	Receiver Reading dBuV	Preamp Factor dB	Emission Level dBuV/m	Limit dBuV/m	Over Limit dB	Remark
1.	37.285	1.58	12.15	52.40	29.90	36.23	40.00	-3.77	QP
2.	58.613	2.35	11.81	50.09	29.94	34.31	40.00	-5.69	QP
3.	83.522	2.96	8.79	41.63	29.97	23.41	40.00	-16.59	QP
4.	135.506	3.79	13.02	36.73	30.01	23.53	43.50	-19.97	QP
5.	192.419	4.39	11.55	40.16	30.04	26.06	43.50	-17.44	QP
6.	419.108	5.74	15.24	34.04	30.74	24.28	46.00	-21.72	QP

Horizontal:

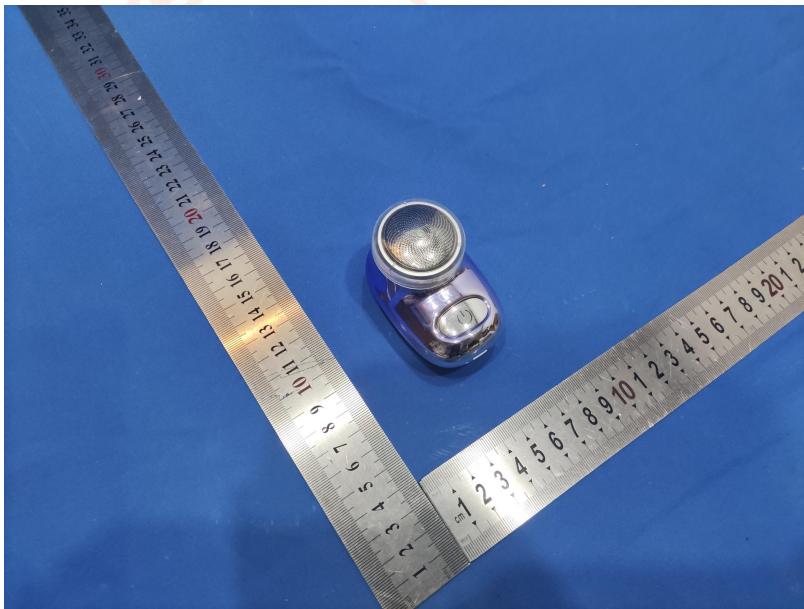
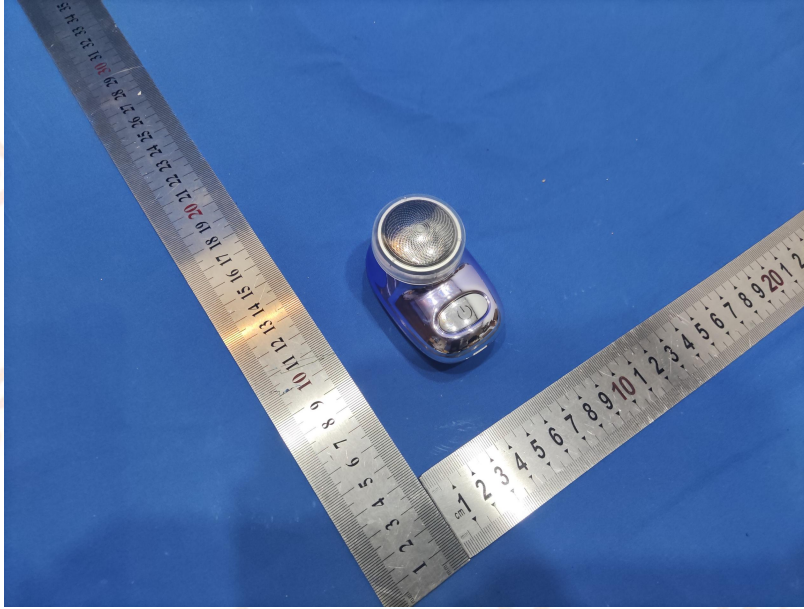


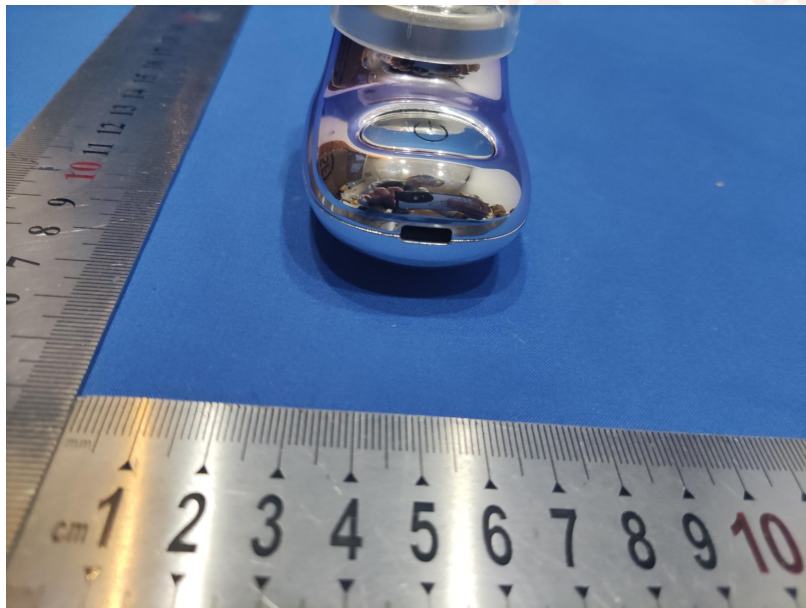
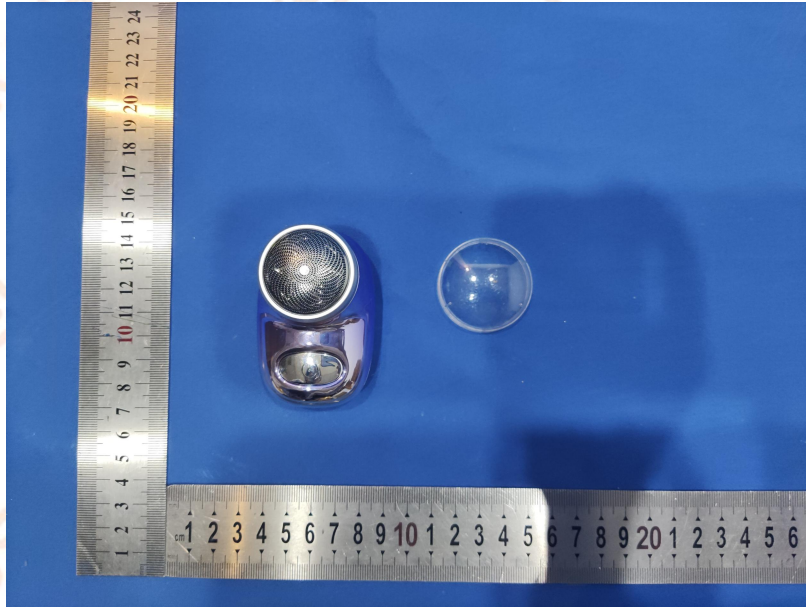
No.	Freq MHz	Cable Loss dB	ANT Factor dB/m	Receiver Reading dBuV	Preamp Factor dB	Emission Level dBuV/m	Limit dBuV/m	Over Limit dB	Remark
1.	38.212	1.62	12.13	43.60	29.91	27.44	40.00	-12.56	QP
2.	58.407	2.34	11.82	36.03	29.94	20.25	40.00	-19.75	QP
3.	91.495	3.12	9.17	35.10	29.98	17.41	43.50	-26.09	QP
4.	135.032	3.79	13.00	39.10	30.01	25.88	43.50	-17.62	QP
5.	194.453	4.41	11.40	42.62	30.04	28.39	43.50	-15.11	QP
6.	221.392	4.64	11.68	40.03	30.11	26.24	46.00	-19.76	QP

## 8. PHOTOGRAPHS OF THE TEST CONFIGURATION

N/A

## 9. PHOTOGRAPHS OF EUT





## 10. LABELING REQUIREMENTS

According to FCC Part 15 Section 15.19, a device subject to certification or Supplier's Declaration of Conformity shall be labelled as follows:

**“This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.”**

The device shall bear the statement in a conspicuous location on the device.

Devices subject to authorization under Supplier's Declaration of Conformity may be labeled with the FCC logo on a voluntary basis as a visual indication that the product complies with the applicable FCC requirements.

Note: The Commission concluded that if the labeling and regulatory information cannot be displayed to the intended recipient “in a manner that effects its purpose,” the device is incapable of digitally displaying the required information as required by the E-LABEL Act. Electronic labeling information must be electronically displayed in a manner that is “clearly legible without the aid of magnification” Similarly, because electronic labels cannot be easily removed or replaced if they are to be effective, manufacturers that choose to display required labeling information electronically must ensure that the information may not be removed or modified by anyone other than the responsible party.



## 11. INFORMATION TO USER

If a product must be tested and authorized under Supplier's Declaration of Conformity, a compliance information statement shall be supplied with product at the time of marketing or importation, containing the following information:

- (1) Identification of the product, e.g., name and model number;
- (2) A compliance statement as applicable, e.g., for devices subject to part 15 of this chapter as specified in 15.19(a)(3) of this chapter, that the product complies with the rules; and
- (3) The identification, by name, address and telephone number or Internet contact information, of the responsible party. The responsible party for Supplier's Declaration of Conformity must be located within the United States.

According to FCC Part 15 section 15.21, the users manual or instruction manual for an intentional or unintentional radiator shall caution the user that:

**"Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment".**

Also, refer to FCC Part 15 section 15.105, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

**"Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:**

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help."

— End of report —

# CERTIFICATE OF CONFORMITY

Certificate No.: KEYS23042432001EM-02

**Applicant** : Shenzhen Miao Xiaoyi Electronic Technology Co., LTD  
**Address** : No. 37-1503, Leigongling Village, Leiling Community, Shekou Street, Nanshan District, Shenzhen  
**Manufacturer** : Shenzhen Miao Xiaoyi Electronic Technology Co., LTD  
**Address** : No. 37-1503, Leigongling Village, Leiling Community, Shekou Street, Nanshan District, Shenzhen  
**Trade mark** : N/A  
**Product** : Portable Mini shaver  
**Model No.** : MT001

## EMC Directive - 2014/30/EU

The standard(s) used for showing compliance with the essential requirements:

**Applicable Standard(s)** EN IEC 55014-1:2021  
EN IEC 55014-2:2021  
EN IEC 61000-3-2:2019+A1:2021  
EN 61000-3-3:2013+A1:2019+A2:2021

This certificate is part of the full test report(s) and should be read in conjunction with it. This certificate is based on an evaluation of one sample of above mentioned product. It does not imply assessment of the production of the product. Without the written approval of Guangdong KEYS Testing Technology Co., Ltd., this certificate is not permitted to be reproduced, except in full. It is not permitted to use the test lab's logo. The CE marking may only be used if all the relevant and effective European Directives are applicable.

*Jason zhan.*



Jason zhan  
Manager

Date: April 28, 2023

**Guangdong KEYS Testing Technology Co., Ltd.**

6 / f, Building B, Chuangyigu Industrial Park, No.5 Hehe Street, Songxi Road, Hengkeng, Liaobu, Dongguan, Guangdong, China

Tel: +86-0769-89798319

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