

# TEST REPORT

**EN62479:2010**

**Report Reference No.**..... : 19ITC1231137E1

Compiled by

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Date of issue.....: Dec.31, 2019



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**Testing Laboratory Name**.....: **Shenzhen iTC Product Testing Co., Ltd.**

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**Applicant's name**.....: **ONARAN ELEKTRONIK SAAT VE DAYANIKLI TUK.MALL.  
ITH.IHR.SAN.TIC.LTD.STI.**

Address.....: 1369 Sk.No:29a Cankaya Izmir Turkiye Kemeralti Vd V No:642 003 3200

**Test specification**.....:

Standard.....: **EN62479:2010**

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**Test item description**.....: Wireless mouse and keyboard

Trade Mark.....: N/A

**Shenzhen Ruiaili Electronics Co.Ltd.**

Manufacturer.....: 1A buliding shenyuan indrustrial garden ,donghuan road,shajing, baoan district,shenzhen ,China

Model/Type reference.....: RAYNOX

List Model.....: RX-K12,RX-W08,RX-W09,RX-W10,RX-W11,RX-W12,RX-W13,  
RX-W14,RX-W15,RX-W16,RX-W17,RX-W18,RX-W19,RX-W20,  
RX-W21,RX-W22,RX-W23,RX-W24,RX-W25,RX-W26,RX-W27,  
RX-W28,RX-W29,RX-W30,RX-XXXX

Operation Frequency.....: From 2420MHz to 2461MHz

Ratings.....: For keyboard: DC3.0V== (2 x 1.5V AAA batteries), 0.5A  
For mouse: DC1.5V== ( AAA batteries), 0.25A

Result.....: **PASS**

**TEST REPORT**

<b>Test Report No. :</b>	<b>19ITC1231137E1</b>	Dec.31, 2019
		Date of issue

Equipment under Test : Wireless mouse and keyboard

Model /Type : RAYNOX

Listed Models : RX-K12,RX-W08,RX-W09,RX-W10,RX-W11,RX-W12,RX-W13,RX-W14,  
RX-W15,RX-W16,RX-W17,RX-W18,RX-W19,RX-W20,RX-W21,RX-W22,  
RX-W23,RX-W24,RX-W25,RX-W26,RX-W27,RX-W28,RX-W29,RX-W30,  
RX-XXXX

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**Manufacturer** **Shenzhen Ruiaili Electronics Co.Ltd.**

Address : 1A buliding shenyuan indrustrial garden ,donghuan road,shajing,baoan  
district,shenzhen ,China

<b>Test Result:</b>	<b>PASS</b>
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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# 1. GENERAL INFORMATION

## 1.1. General Remarks

Date of receipt of test sample	:	Dec.23, 2019
Testing commenced on	:	Dec.23, 2019
Testing concluded on	:	Dec.31, 2019

## 1.2. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	25°C -35°C
Relative Humidity:	35%-55 %
Air Pressure:	101 KPa

## 1.3. Product Description

Product Name:	Wireless mouse and keyboard
Trade Mark:	N/A
Model/Type reference:	RAYNOX
List Model:	RX-K12,RX-W08,RX-W09,RX-W10,RX-W11,RX-W12,RX-W13,RX-W14, RX-W15,RX-W16,RX-W17,RX-W18,RX-W19,RX-W20,RX-W21,RX-W22, RX-W23,RX-W24,RX-W25,RX-W26,RX-W27,RX-W28,RX-W29,RX-W30, RX-XXXX
Power supply:	For keyboard: DC3.0V $\frac{1}{1}$ (2 x 1.5V AAA batteries), 0.5A For mouse: DC1.5V $\frac{1}{1}$ ( AAA batteries), 0.25A
Adapter information(Auxiliary test)	N/A
Antenna Type	Internal
Antenna Gain	2.1 dBi
Operation frequency	2420~2461MHz
Number of Channels	30
Modulation Type	GFSK
Remark: The EUT only has trasmitting without receiving	

## 2. METHOD OF MEASUREMENT

### Applicable Standard

EN62479: Assessment of the compliance of low-power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)

### Limit

20mW (According to the table A.1)

**Table A.1 – Example values of SAR-based  $P_{\max}$  for some cases described by ICNIRP, IEEE Std C95.1-1999 and IEEE Std C95.1-2005**

Guideline / Standard	SAR limit, $SAR_{\max}$ W/kg	Averaging mass, $m$ g	$P_{\max}$ mW	Exposure tier <sup>a</sup>	Region of body <sup>a</sup>
ICNIRP [1]	2	10	20	General public	Head and trunk
	4	10	40	General public	Limbs
	10	10	100	Occupational	Head and trunk
	20	10	200	Occupational	Limbs
IEEE Std C95.1-1999 [2]	1,6	1	1,6	Uncontrolled environment	Head, trunk, arms, legs
	4	10	40	Uncontrolled environment	Hands, wrists, feet and ankles
	8	1	8	Controlled environment	Head, trunk, arms, legs
	20	10	200	Controlled environment	Hands, wrists, feet and ankles
IEEE Std C95.1-2005 [3]	2	10	20	Action level	Body except extremities and pinnae
	4	10	40	Action level	Extremities and pinnae
	10	10	100	Controlled environment	Body except extremities and pinnae
	20	10	200	Controlled environment	Extremities and pinnae

<sup>a</sup> Consult the appropriate standard for more information and definitions of terms.

### Test result

Type	EIRP (dBm)	Output power (mW)	Limit (mW)	Results
RAYNOX	8.678	4.76	20	Pass

### 3. External and Internal Photos of the EUT

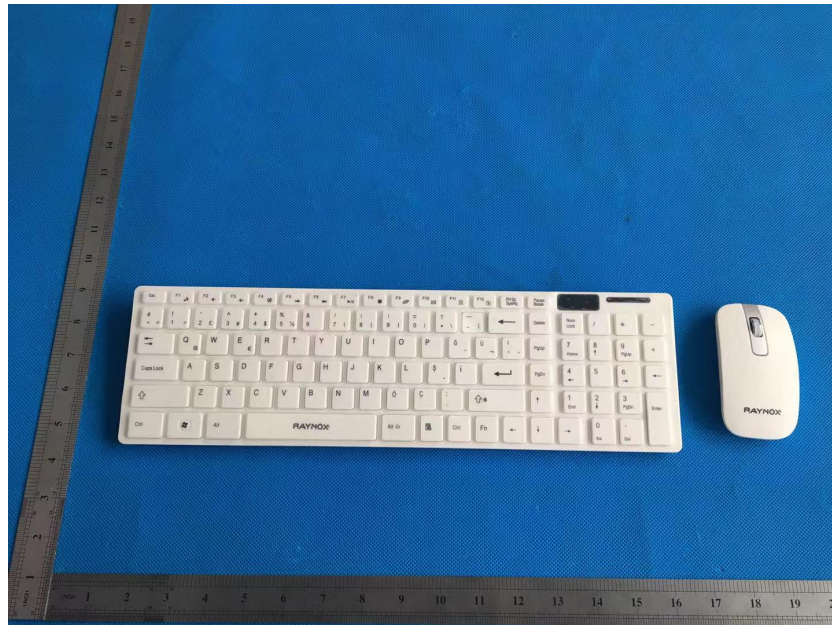


Photo 1

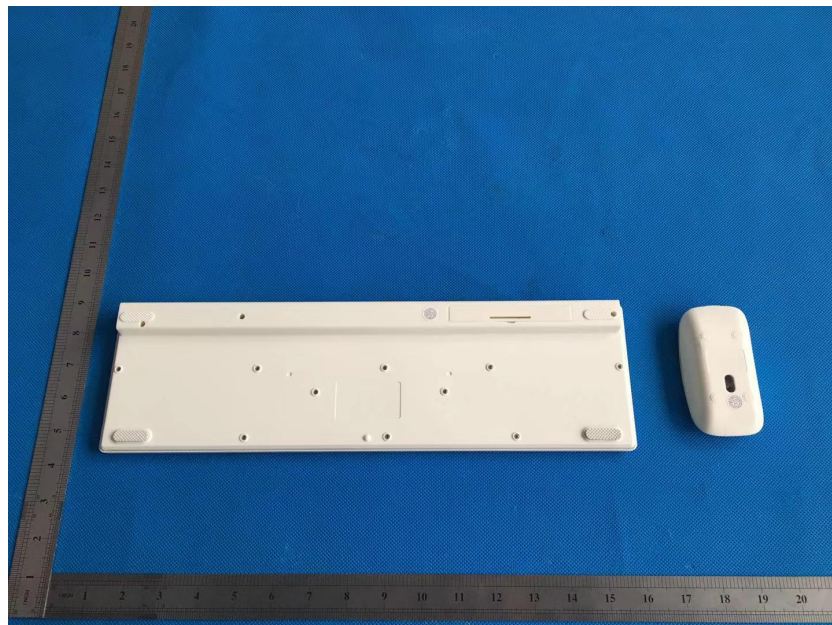


Photo 2





Photo 3



Photo 4



Photo 5



Photo 6



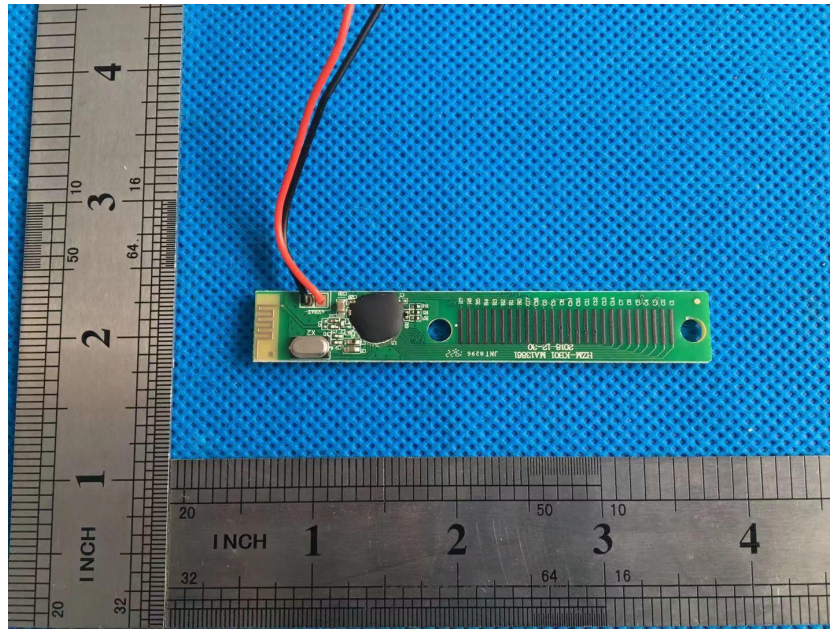


Photo 7

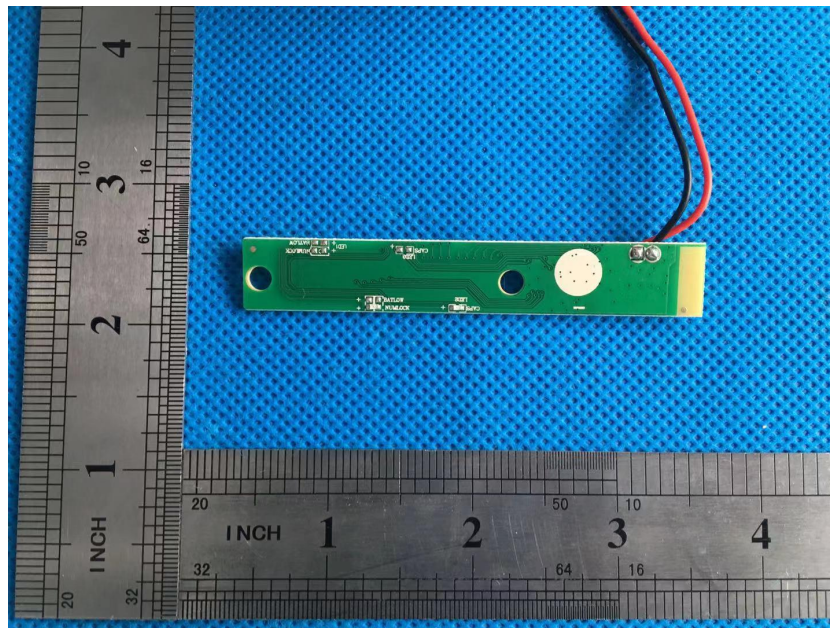


Photo 8



Photo 9

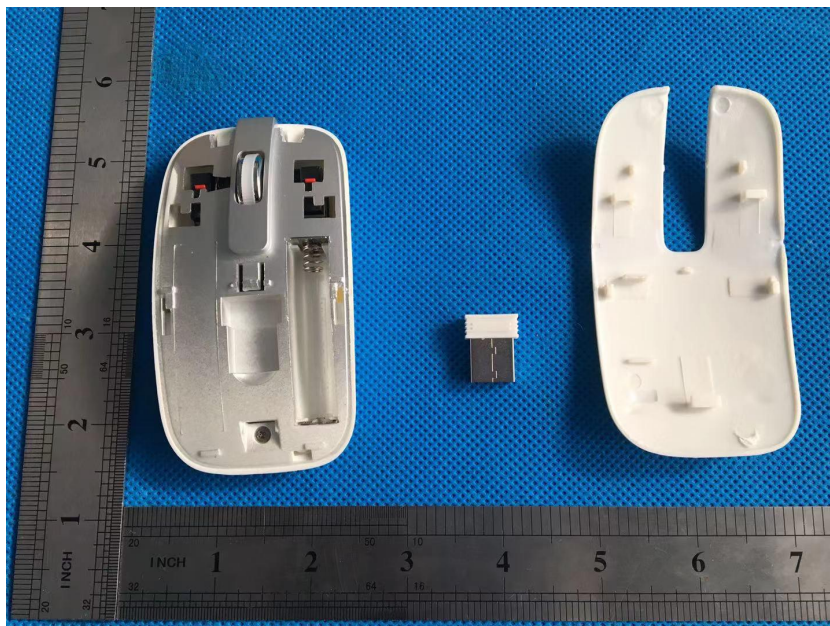


Photo 10



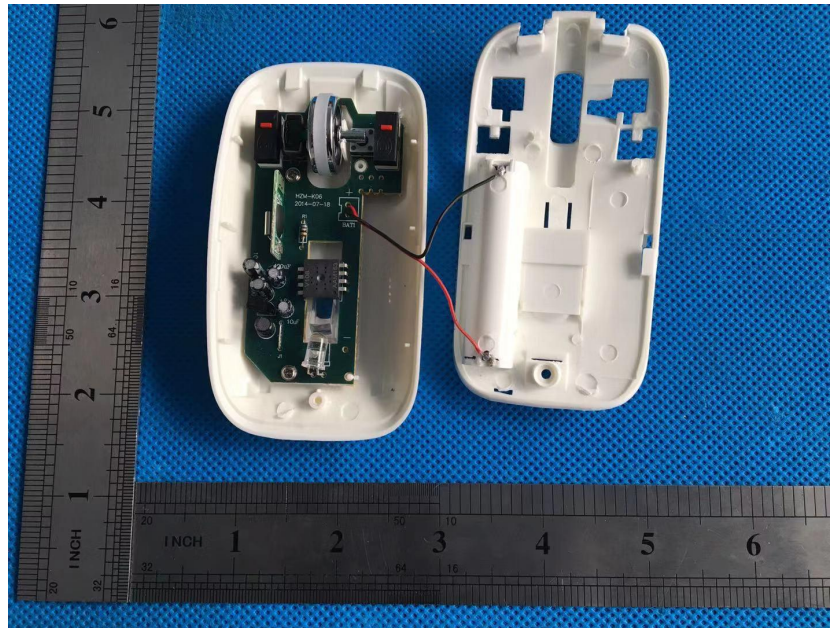


Photo 11

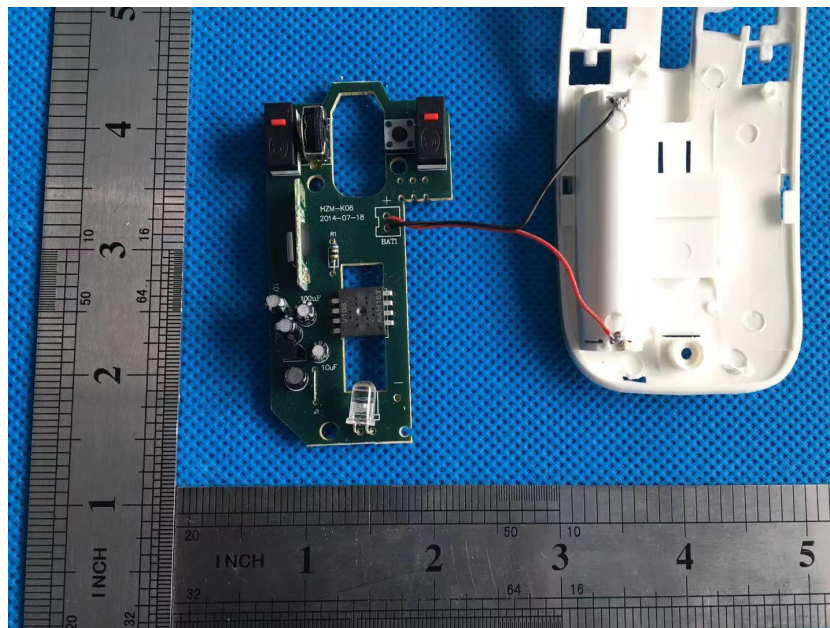


Photo 12

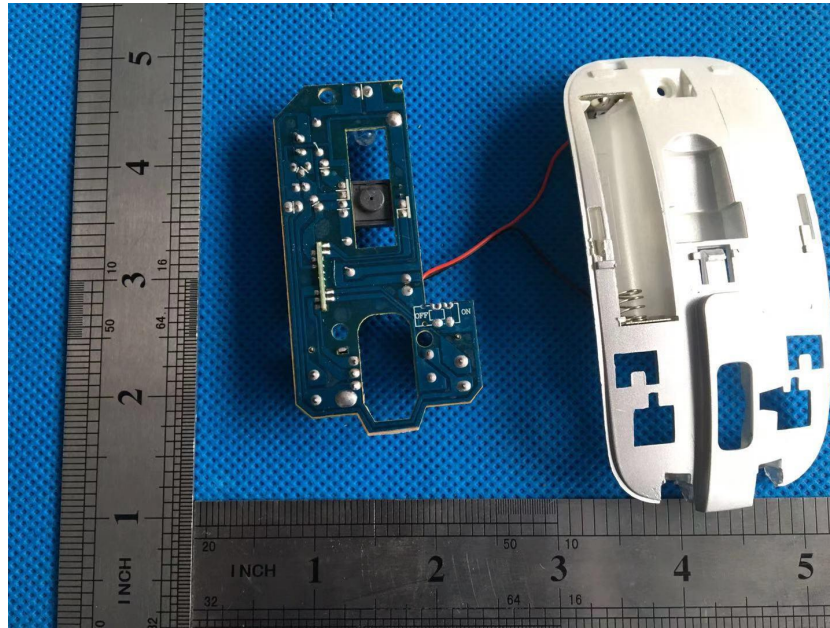


Photo 13

.....End of Report.....