

# EN 62479: 2010 TEST REPORT

**REPORT NO.:** ECR1712120R-04

**MODEL NO.:** CS1000G, please see page 4 for mode list

**RECEIVED:** Nov. 29, 2017

**TEST Date:** Nov. 30, 2017 to Dec. 07, 2017

**APPLICANT:** Couso Technology Co., Ltd.

**ADDRESS:** No. 26#, MinYe Street, TangXia Town, DongGuang City, GuangDong Province,  
China

**ISSUED BY:** Shenzhen SETEK Technology Co., Ltd.

**LAB LOCATION:** 1003, C Bldg, Fuyuan Business Trade Center, 44 District Bao'an, Shenzhen,  
China

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Prepared for : Couso Technology Co., Ltd.

Address : No. 26#, MinYe Street, TangXia Town, DongGuang City, GuangDong Province, China

Product : Wireless Keyboard & Mouse set

Model No. : CS1000G, please see page 4 for mode list


Trademark : COUSO, BANRUO


Test Standard : EN 62479: 2010

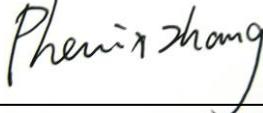
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## 1. GENERAL INFORMATION

Applicant : Couso Technology Co., Ltd.

Address : No. 26#, MinYe Street, TangXia Town, DongGuang City,  
GuangDong Province, China

Manufacturer : Couso Technology Co., Ltd.

Address : No. 26#, MinYe Street, TangXia Town, DongGuang City,  
GuangDong Province, China

EUT : Wireless Keyboard and Mouse

Model Number : CS1000G, CS2000G, CS3000G, CS4000G, CS4100G, CS4200G,  
CS4300G, CS4400G, CS4500G, CS4515G, CS4550G,  
CS4600G, CS4700G, CS4800G, CS4900G, CS5000G, CS5100G,  
CS5200G, CS5300G, CS5400G, CS5500G, CS5600G, CS5700G,  
CS5800G, CS5900G, CS-6000G, CS6100G, CS6200G,  
CS6300G, CS6400G, CS-6500G, CS6600G, CS6700G,  
CS6800G, CS6900G, CS7000G, CS7100G, CS7200G, CS7300G,  
CS7400G, CS7500G, CS7600G, CS7700G, CS7800G, CS7900G,  
CS8000G, CS8100G, CS8200G, CS8300G, CS8400G, CS8500G,  
CS8600G, CS8700G, CS8800G, CS8900G, CS-9000G,  
CS9100G, CS9200G, CS9300G, CS9400G, CS9500G, CS9600G,  
CS9700G, CS9800G, CS9900G, CX100LD, CX120LD,  
CX130LD, CX140LD, CX150LD, CX160LD, CX170LD,  
CX180LD, CX190LD, CK410B, CK910B, CS9100L, CS9200L,  
CS6500LD, CK470TL, CS4570G, CS4380G, CK400G,  
CK410G, CK420G, CK430G, CK440G, CK450G, CK460G,  
CK470T, CK480G, CK490G, CK510G, CK520G, CK530G,  
CK540G, CK550G, CK560G, CK570G, CK580G, CK590G,  
CK600G, CK601G, CK700G, CK710G, CK720G, CK730G,  
CK740G, CK750G, CK760G, CK770G, CK780G, CK790G,  
CM701G, CM702G, CM703G, CM704G, CM705G, CM706G,  
CM707G, CM708G, CM709G, CM710G, CM720G, CM730G,  
CM740G, CM750G, CM760G, CM770G, CM780G, CM790G,  
CM800LD, CM810LD, CM820LD, CM830LD, CM840LD,  
CM850LD, CM860LD, CM870LD, CM880G, CM890LD,  
CK920G, CK921G, CK923G, CK927G, CG10LD, CG11LD,  
CG12LD, CG13LD, CG14LD, CG15LD, CG16LD, CG17LD,  
CG18LD, CG19LD, CM610LD, CM620LD, CM630LD,  
CM640LD, CM650LD, CM660LD, CM670LD, CM680LD,  
CM690LD, CM610B, CM620B, CM630B, CM640B, CM650B,  
CM660B, CM670B, CM680B, CM690B, CM700B, CM710B,  
CM720B, CM730B, CM740B, CM750B, CM760B, CM770B,  
CM780B, CM790B, CM840B, CM850B, CM860B, CM870B,

*The device described above is tested by SHENZHEN SETEK TECHNOLOGY CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. This report applies to above tested sample only and shall not be reproduced in part without written approval of SHENZHEN SETEK TECHNOLOGY CO., LTD.*

CM880B, CM890B, CM610G, CM620G, CM630G, CM640G, CM650G, CM660G, CM670G, CM680G, CM690G, CM810G, CM815G, CM820G, CM830G, CM840G, CM850G, CM860G, CM870G, CM880G, CM890G, CM891G, CM892G, CM893G, CM894G, CM895G, CM896G, CM897G, CM898G, CM898GL, CNS-HSETW3-RU, CNS-HSETW3-US, CNS-HSETW3-SK, CNS-HSETW3-LT, CNS-HSETW3-HU, CNS-HSETW3-BG, CNS-HSETW3-AD, CNS-HSETW3-CZ, CNS-HSETW3-UK, CNS-HKBW2-RU, CNS-HKBW2-US, CNS-HKBW2-SK, CNS-HKBW2-LT, CNS-HKBW2-HU, CNS-HKBW2-AD, CNS-HKBW2-CZ, CNS-HKBW2-EE, CNS-HKBW4-UK, CNS-HSETW4-RU, CNS-HSETW4-CS, CNS-HSETW4-US, CNS-HSETW4-BG, CNS-HSETW4-HU, CNS-HSETW4-LT, CNS-HSETW4-EE, GN-CS8400G, GN-CS8500G

The model(s) are all identical in interior structure, electrical circuits and components, and just the model names are different for the marketing requirement.

We prepare CS1000G for the test.

Power Supply	:	DC1.5V for Tx (AAA for Keyboard, AA for Mouse) and DC5V for Rx (Host from PC)
Operation Frequency	:	2408MHz-2474MHz for USB dongle and 2408MHz-2474MHz for keyboard Part and mouse Part
Modulation Type		GFSK
Antenna Designation	:	PCB Printed Antenna with maximum gain 1.2dBi for Keyboard/Mouse part and 1.0dBi for USB dongle part
Extreme Temp. Tolerance	:	-10°C to 55°C
Standards	:	EN 62479 :2010 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)

**Note:** The above equipment has been tested by **Shenzhen SETEK Technology Co., Ltd.**, and found compliance with the requirement of the above standards. And the test results show that the equipment under test (EUT) is in compliance with the **RED Directive 2014/53/EU** requirements. And it is applicable only to the tested sample identified in the report.

## 2.THE TEST REQUIREMENT

### 2.1.Introduction

According to its specifications, the EUT must comply with the requirements of the following standards:

EN 62479: 2010 [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)]

### 2.2.Limit

A. Typical usage, installation and the physical characteristics of equipment make it inherently compliant with the applicable EMF exposure levels such as those listed in the bibliography. This low-power equipment includes unintentional (or non-intentional) radiators, for example incandescent light bulbs and audio/visual (A/V) equipment, information technology equipment (ITE) and multimedia equipment (MME) that does not contain radio transmitters.

NOTE Equipment is described as A/V equipment, ITE or MME if its main use is playback/recording of music, voice or images, or processing of digital information.

B. The input power level to electrical or electronic components that is capable of radiating electromagnetic energy in the relevant frequency range is so low that the available antenna power and/or the average total radiated power cannot exceed the low-power exclusion level defined in 4.2.

C. The available antenna power and/or the average total radiated power are limited by product standards for transmitters to levels below the low-power exclusion level defined in 4.2.

D. Measurements or calculations show that the available antenna power and/or the average total radiated power are below the low-power exclusion level defined in 4.2.

### 3.RF EXPOSURE MEASUREMENT

#### 3.1.Introduction

The justification for this criterion is that the most stringent basic restriction at frequencies between 10 MHz and 10 GHz is on localized SAR in the head. Any device with output power below 20 mW cannot produce an exposure exceeding this restriction under the most pessimistic exposure conditions.

$$20\text{mW}=13.01\text{dBm}$$

#### 3.2.Test data

For Keyboard Part

The EUT was tested EIRP: **0.98dBm<13.01dBm**, the power are below the low-power exclusion level defined in 4.2 ( Pmax: 20mW).

For Mouse Part

The EUT was tested EIRP: **0.94dBm<13.01dBm**, the power are below the low-power exclusion level defined in 4.2 ( Pmax: 20mW).

For Dongle Part

The EUT was tested EIRP: **-0.10dBm<13.01dBm**, the power are below the low-power exclusion level defined in 4.2 ( Pmax: 20mW).

#### 3.3.Test results

The measurement results comply with the limit of EN 62479:2010.

# APPENDIX I

## (PHOTOS OF EUT)

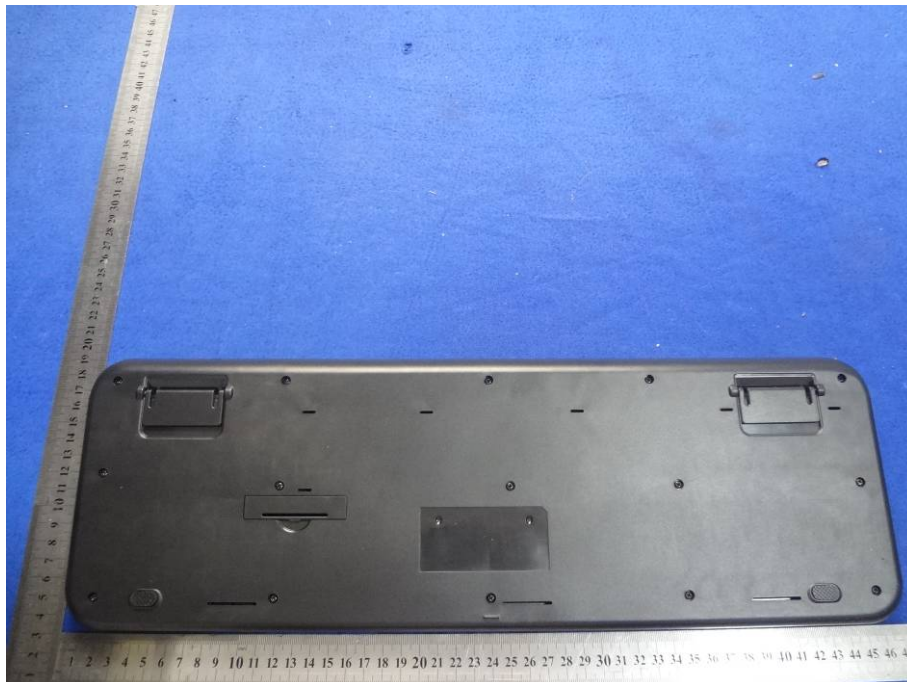
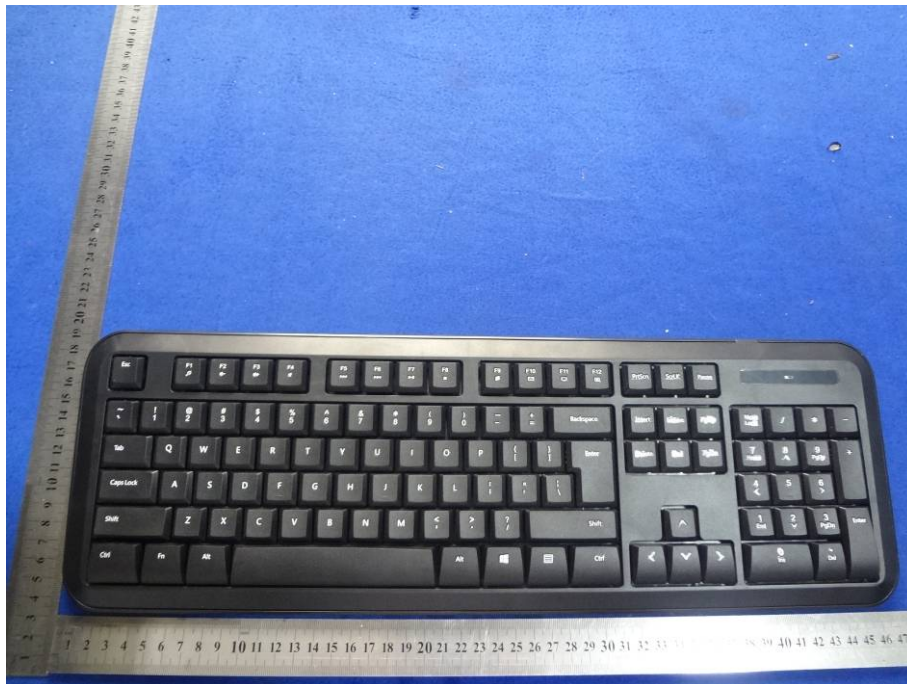
TX (Mouse + Keyboard)



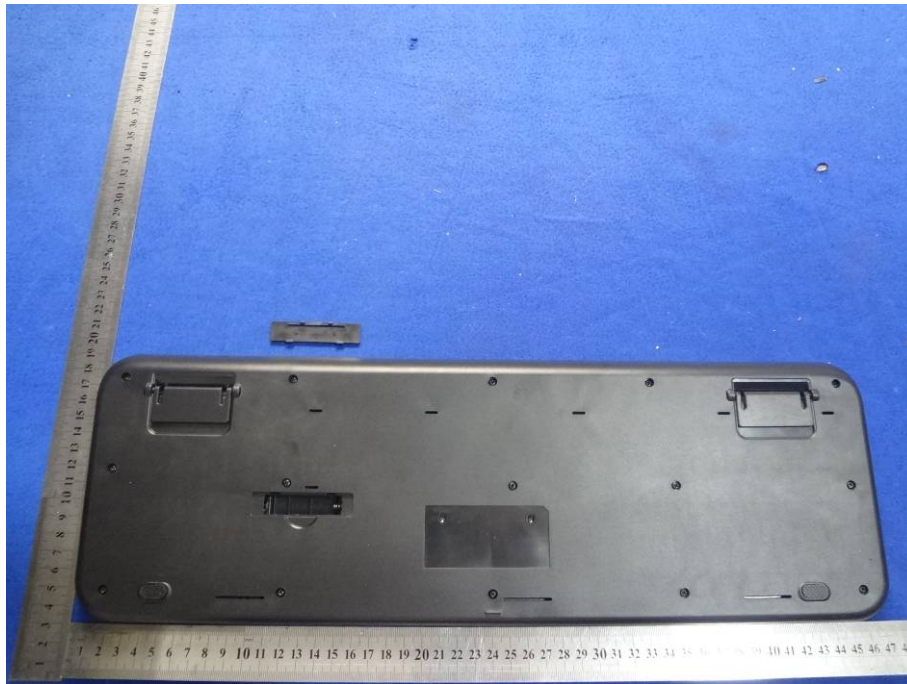
*The device described above is tested by SHENZHEN SETEK TECHNOLOGY CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. This report applies to above tested sample only and shall not be reproduced in part without written approval of SHENZHEN SETEK TECHNOLOGY CO., LTD.*



## TX (Keyboard)

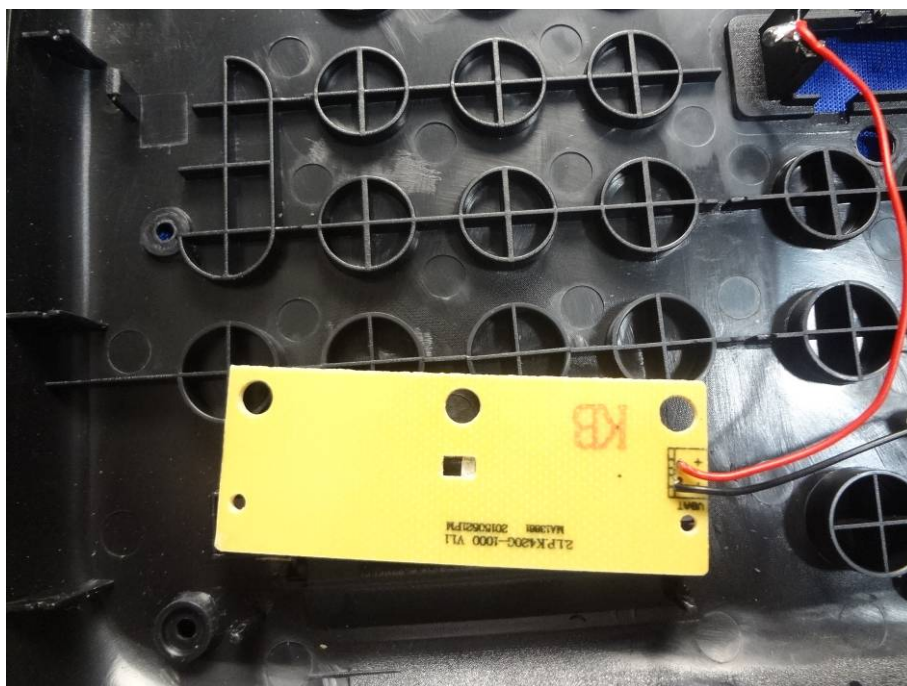


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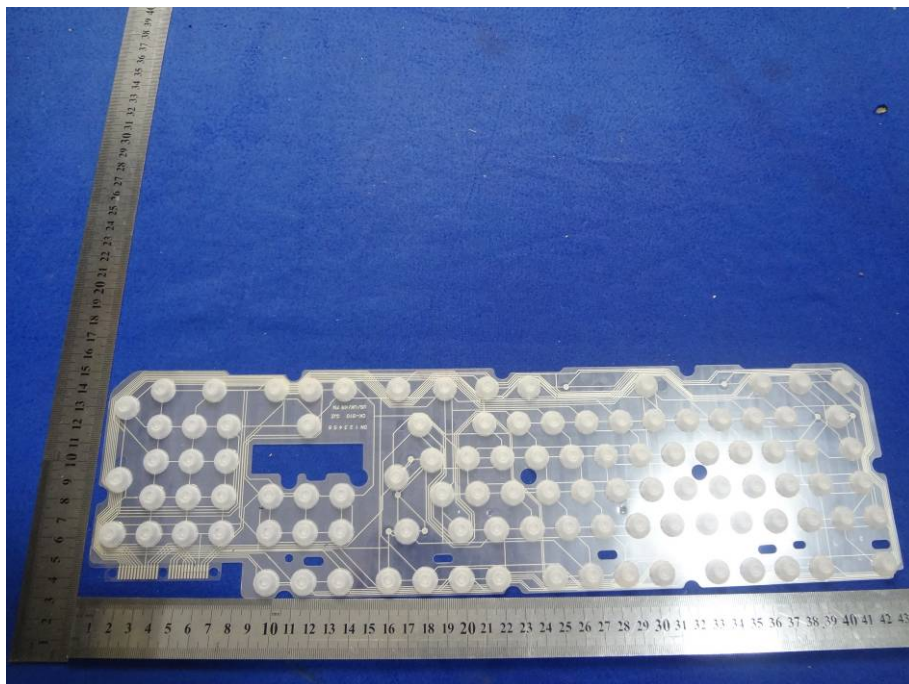
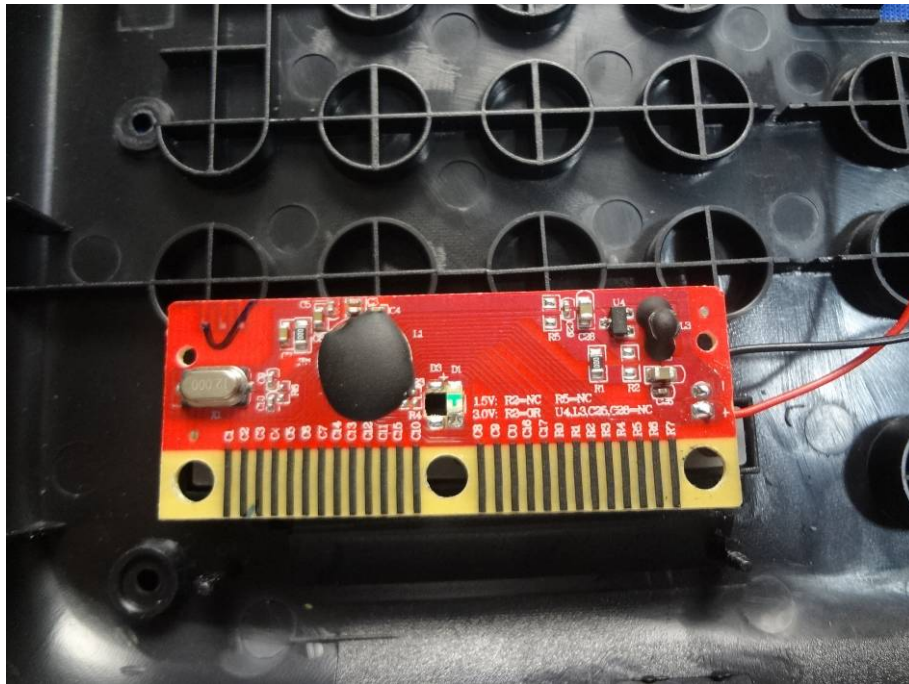


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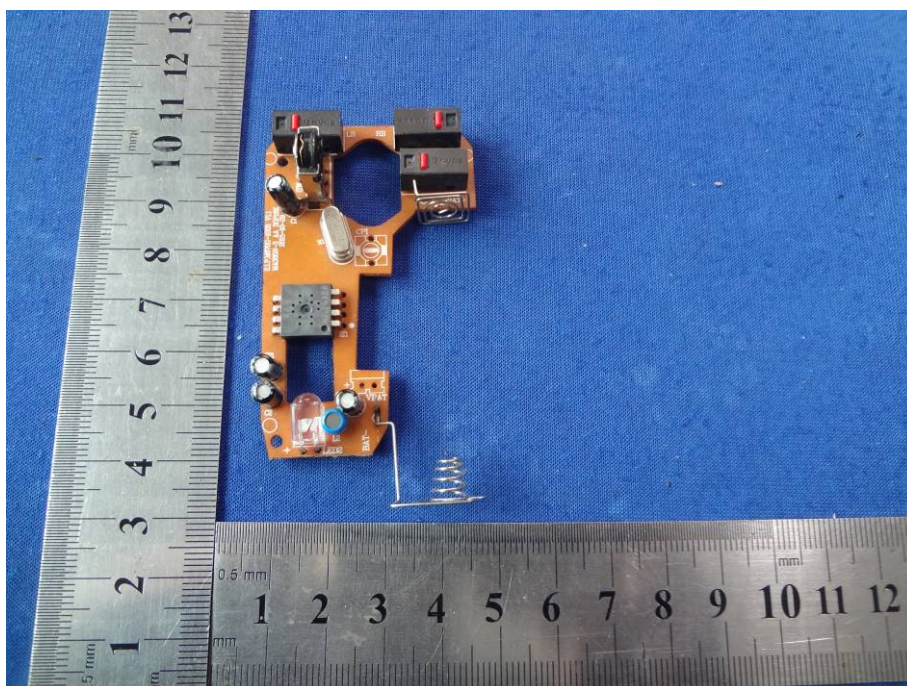


TX (Mouse)

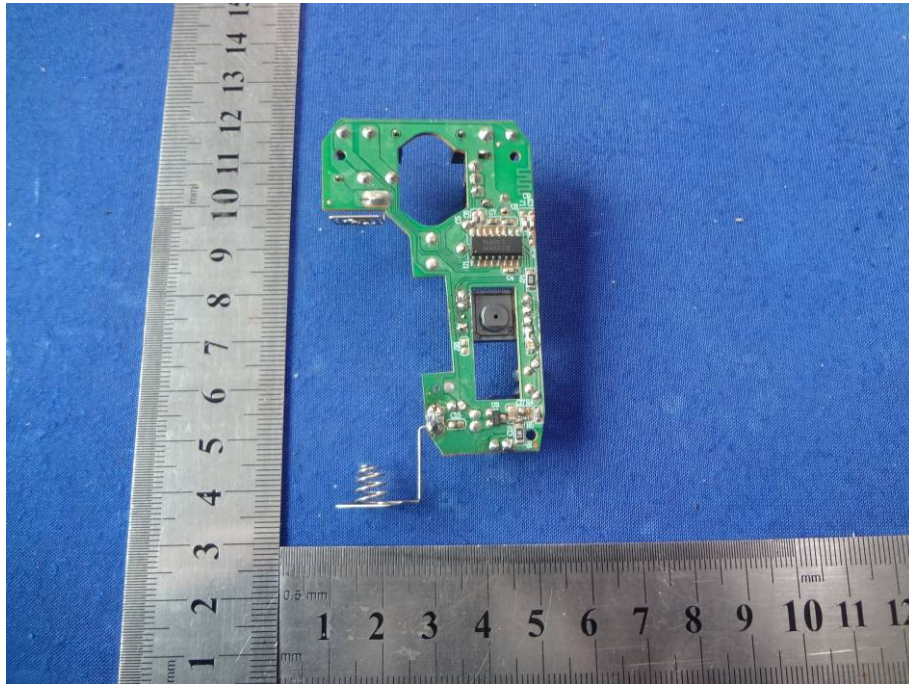


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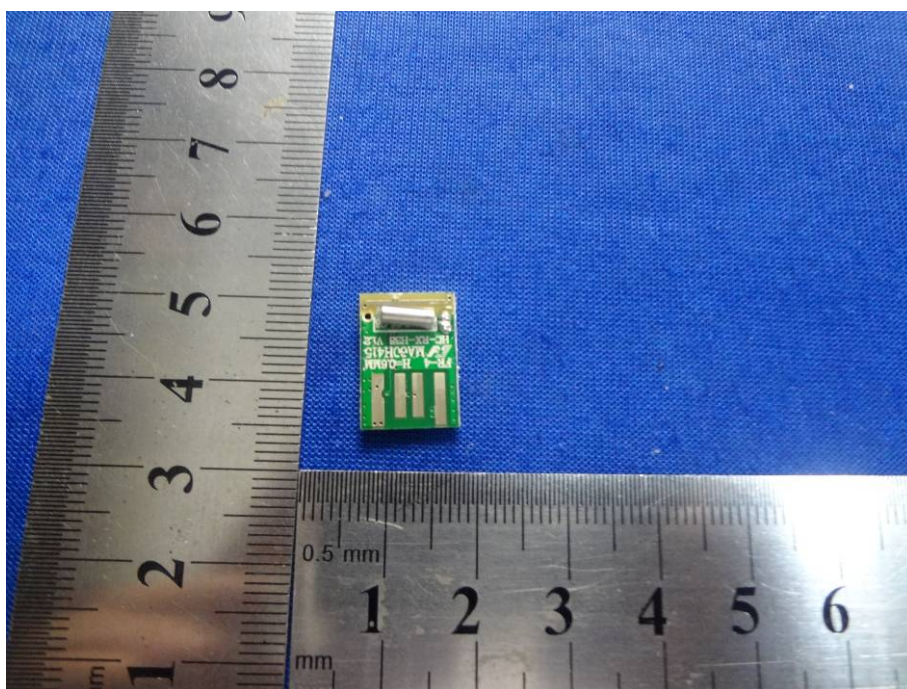
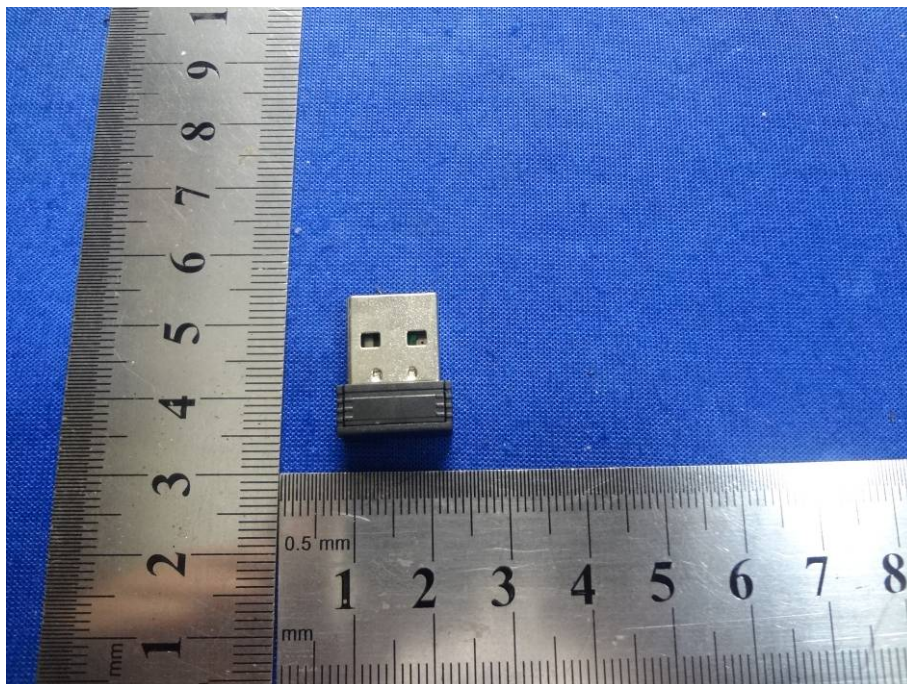
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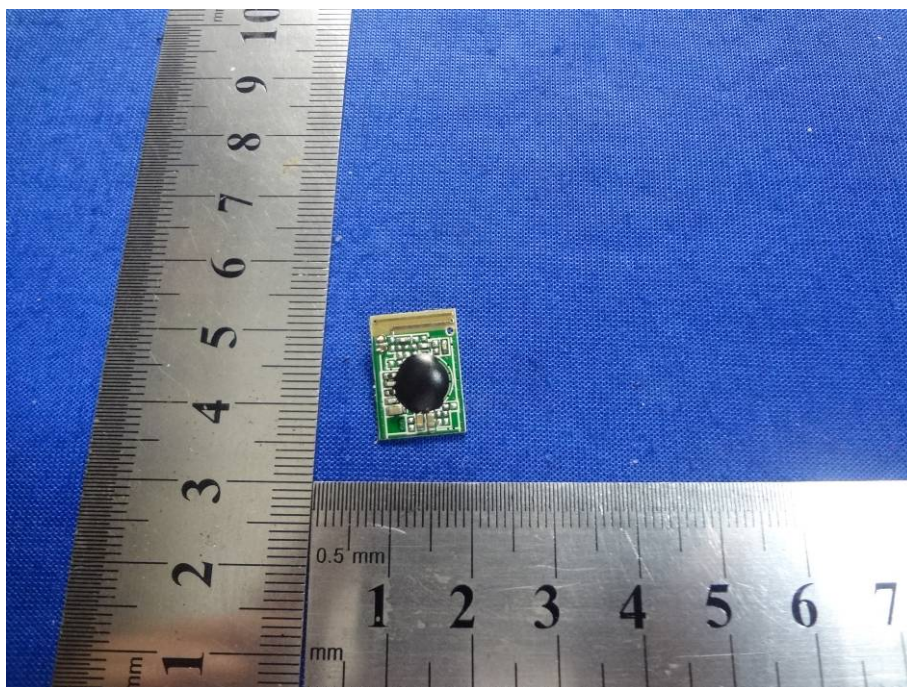


## RX (Host)



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**\*\*\*\*\*End of the report\*\*\*\*\***