

TEST REPORT



Report No: TW2308036-04E  
Applicant: Eastern Times Technology Co.,Ltd  
Product: REDRAGON WIRELESS 75% GASKET MECHANICAL KEYBOARD  
Model No: K673WB-RGB-PRO, K673BW-RGB-PRO, ET-8986, K673CPG-RGB-PRO  
Trademark: REDRAGON  
Test Standards: EN 50663:2017, EN 62479:2010  
Test Result: The health evaluation has been performed on the submitted samples and found in compliance with council Radio Equipment Directive (RED) 2014/53/EU

Approved By

A handwritten signature in black ink that reads 'Terry Tang'.

Terry Tang

EMC Manager

Dated: August 30, 2023

**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 (+86 755)8344 8688 Fax (+86 755)8344 2996 Email: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 17025:2017 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

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

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## 1. General Information

### 1.1 Notes

The test results of this report relate exclusively to the test item specified in 1.5. The TIMEWAY Lab does not assume Responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written approval of the TIMEWAY Lab.

### 1.2 Testing Laboratory

#### **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: +86 755 83448688 Fax :+86 755 83442996

Internet: [www.timewaytech-lab.com](http://www.timewaytech-lab.com)

Site on File With the Federal Communications and Commission – United States

Registration Number: 744189

For 3m Anechoic Chamber

Site Listed with Industry Canada of Ottawa, Canada

Registration Number: IC: 5205A

For 3m Anechoic Chamber

### 1.3 Details of Applicant

Name: Eastern Times Technology Co.,Ltd

Address: Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town, Dongguan City, Guangdong, China.

### 1.4 Application Details

Date of Receipt of Application: August 02, 2023

Date of Receipt of Test Item: August 02, 2023

Date of Test: August 02, 2023 ~ August 30, 2023

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### 1.5 Test Item

Manufacturer: Eastern Times Technology Co.,Ltd

Address: Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town, Dongguan City, Guangdong, China.

Trademark: REDRAGON

Model No.: K673WB-RGB-PRO

Additional Model: K673BW-RGB-PRO, ET-8986, K673CPG-RGB-PRO

Description: REDRAGON WIRELESS 75% GASKET MECHANICAL KEYBOARD

### Additional Information

Frequency: 2403MHz-2480MHz for Keyboard/dongle Part

Channel Number: 16

Channel List (unit: MHz): 2403, 2424, 2441, 2461, 2414, 2435, 2450, 2470, 2409, 2429, 2455, 2475, 2419, 2445, 2465, 2480

Modulation Type: GFSK

Frequency 2: 2402MHz-2480MHz for Keyboard Bluetooth mode

Channel Separation: 1MHz for Bluetooth

Modulation Type: GFSK (Bluetooth)

Antenna Designation: PCB antenna with maximum gain -7.30dBi for keyboard part and 1.66dBi for USB dongle part

Rating: DC5V hosted from PC for USB dongle part; DC5V, 825mA or DC3.7V, 325mA for Keyboard Part

Battery: DC3.7V, 3000mAh Li-ion battery or keyboard part (Li-ion battery)

Operation Distance: N/A

Resolution: N/A

Extreme Temp. Tolerance: -20°C to 55°C

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**According to EN 50663:2017 and EN 62479:2010**

---- 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.

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

**Dongle Part:**

**Test Data**

The EUT was tested EIRP: -3.56dBm < 13.01dBm

**Keyboard Part:**

**Test Data**

The EUT was tested EIRP: 2.99dBm < 13.01dBm

**Note: worst cases were recorded**

**Test Result:**

The measurement results comply with the limit of EN 50663:2017 and EN 62479:2010.

Issued by SHENZHEN TIMEWAY TESTING LABORATORIES.

Approved By

*Andy Xing*

Engineering

Name/title

Reviewed By

*Terry Tang*

EMC Manager

Name/title

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