

TECHNICAL REPORT



Report No.: TW2104115-03E

File Reference No.: 2021-06-11

Applicant: Eastern Times Technology Co.,Ltd

Product: WIRED & WIRELESS GAMING MOUSE

Model No.: M808-KS, DS-2887

Brand Name: REDRAGON

Test Standards: EN 50663:2017

Test Result: The health evaluation has been performed on the submitted samples and found in compliance with council RE Directive 2014/53/EU

Approved By

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

Terry Tang

EMC Manager

Dated: June 11, 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 (+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 17025:2005 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

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



1.0 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.timeway-lab.com

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

Registration Number: 744189

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: April 09, 2021

Date of Receipt of Test Item: April 09, 2021

Date of Test: April 09, 2021~ June 11, 2021

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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.

Brand Name: REDRAGON

Model No.: M808-KS

Additional Model: DS-2887

Description: WIRED & WIRELESS GAMING MOUSE

Additional Information

Frequency: 2403MHz-2480MHz for USB dongle and 2403MHz-2480MHz for Mouse Part

Channel List:

Ch No.	1	2	3	4	5	6	7	8
Frequency (MHz)	2403	2424	2441	2461	2414	2435	2450	2470
Ch No.	9	10	11	12	13	14	15	16
Frequency (MHz)	2409	2429	2455	2475	2419	2445	2465	2480

Antenna Designation: PCB Printed Antenna with maximum gain -1.0dBi for Mouse part and 1.16dBi for USB dongle part

Rating: DC5V hosted from PC for USB dongle part and DC4.2V for Mouse part (Built-in DC3.7V, 700mAh Li-ion battery); Charging Input: DC5V, 1A

Operation Distance: N/A

Resolution: N/A

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

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According to EN 50663:2017

---- 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.

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

Mouse Part:

Test Data

The EUT was tested EIRP: 2.35 dBm < 13.01dBm

Dongle Part:

Test Data

The EUT was tested EIRP: 0.62 dBm < 13.01dBm

Test Result:

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

Issued by SHENZHEN TIMEWAY TESTING LABORATORIES.

Approved By

Reviewed By

Brown Lu, Engineering

Tang Tang
EMC Manager

Name/title

Name/title

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