

## TEST REPORT

REPORT NO.: CTNT2412240100101



Product name : EMS-07

Model No : EMS-07

Applicant : Shenzhen Emerson Laser Technology Co., LTD.

Test procedure : Type Test

Shenzhen Zhongwei Testing Technology Co., Ltd.





**TEST REPORT**  
**EN 60825-1**  
**Safety of laser products – Part 1:**  
**Equipment classification and requirements**  
**EN 50689: 2021**  
**Safety of laser products –**  
**Particular Requirements for Consumer Laser Products**

**Report Number.....:** CTNT2412240100101

**Date of issue.....:** Jan. 15, 2025

**Name of Testing Laboratory**  
**preparing the Report.....:** Shenzhen Zhongwei Testing Technology Co., Ltd.  
Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street,  
Longgang District, Shenzhen, Guangdong, China  
Tel: 086-13662574496  
E-mail: admin@ctnt-cert.com  
Web: www.ctnt-cert.com

**Applicant's name.....:** Shenzhen Emerson Laser Technology Co., LTD.

**Address.....:** 3rd Floor, Building 2, Wulian Hongchangfa Industrial Park, Longgang  
District, Shenzhen City, Guangdong Province

**Manufacturer's name.....:** Shenzhen Emerson Laser Technology Co., LTD.

**Address.....:** 3rd Floor, Building 2, Wulian Hongchangfa Industrial Park, Longgang  
District, Shenzhen City, Guangdong Province.

**Test specification:**

**Standard.....:** EN 60825-1: 2014+A11: 2021&EN 50689: 2021

**Test procedure.....:** Type test

**Non-standard test method.....:** N/A

**Test Report Form No.....:** EU\_GD\_IEC60825\_1G

**Test Report Form(s) Originator.....:** TÜV Rheinland LGA Products GmbH

**Master TRF.....:** Dated 2021-11-05

**General disclaimer:**

The test results presented in this report relate only to the object tested.

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The authenticity of this Test Report and its contents can be verified by contacting the CTNT, responsible for this Test Report.



Test item description.....: EMS-07

Trade Mark.....: N/A

Model/Type reference.....: EMS-07

Ratings.....: 5V  1A 5W**Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):****Laboratory Name**

Shenzhen Zhongwei Testing Technology Co., Ltd.

**Testing location/ address.....:**

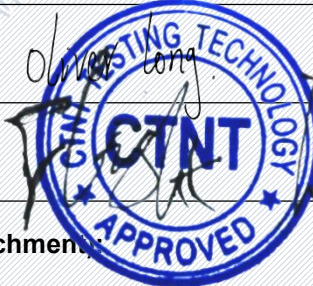
Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China

**Tested by(Test Engineer)..... :** East Zheng

East Zheng

**Reviewed By(Supervisor).....:** Oliver Long

Oliver Long

**Approved by(Chief Engineer).....:** Flight Lee**List of Attachments (including a total number of pages in each attachment):**

- Test data graph, Photo document

**Summary of testing:****Tests performed (name of test and test clause):**

Determination of the result includes consideration of measurement uncertainty from the test equipment and methods.

According to the test of EN 60825-1: 2014+A11: 2021

Safety of laser products – Part 1:

Equipment classification and requirements.

And also considered with the EN 50689: 2021

Safety of laser products – Particular Requirements for Consumer Laser Products.

**This product complied with the requirements of Class 1.**

**Testing location:**

Shenzhen Zhongwei Testing Technology Co., Ltd.  
Room 1A106, 1/F., No.109, Lijia Road, Henggang,  
Henggang Street, Longgang District, Shenzhen,  
Guangdong, China

Tel: 086-755-28680489

E-mail: admin@cnt-cert.com

Web: www.cnt-cert.com

**Test item particulars..... :****Classification of installation and use:**

transportable / portable / stationary / mobile/ fixed /  
permanently installed / hand-held

**Supply Connection.....:**

Internally powered / permanently installed /  
Appliance coupler / non-detachable cord

**laser Class as defined in 3.44 and 3.18 through 3.24** Class 1, 1C, 1M, 2, 2M, 3R, 3B, or 4

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This report can be checked and verified in the following ways.

Tel: 0755-28680489

E-mail: admin@cnt-cert.com

Web: www.cnt-cert.com