

Laser safety class test certificate

No.: CTNT2606090050101-ZS

Applicant : Changchun New Industries Optoelectronics Technology Co., Ltd.
Address : No.888 Jinhua Road High-tech Zone, Changchun 130103, P.R. China
Manufacturer : Changchun New Industries Optoelectronics Technology Co., Ltd.
Address : No.888 Jinhua Road High-tech Zone, Changchun 130103, P.R. China
Product : Laser
Trade Name : N/A
Model(s) : FC-450/520/660-3ch-30W
Laser Class : Class 4 (Wavelength: 450nm±10nm, 520nm±10nm, 660nm±10nm)
Test Report No. : CTNT2606090050101
Test Standards : EN 60825-1:2014+A11:2021+AC:2022

The EUT described above has been tested by us with the listed standards

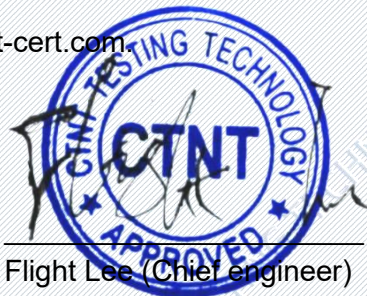
EN 60825-1:2014+A11:2021+AC:2022 "Safety of laser products - Part 1: Equipment classification and requirements" and found in laser safety level is Class 4.

The test results apply only to the particular sample tested and the applicative tests carried out.

This statement is based on a single evaluation of sample above mentioned product. It does not imply an assessment of the whole production process.

The test report is part of the test certificate, and the test certificate is valid when used together with the report.

The test certificate can be verified on the website www.ctnt-cert.com.


Flight Lee (Chief engineer)

Jun. 23, 2026



Shenzhen Zhongwei Testing Technology Co., Ltd.

Add: Room 1A106 & 2C230, No.109, Lijia Road, Henggang, Henggang Subdistrict, Longgang District, Shenzhen, Guangdong, China

Web: <http://www.ctnt-cert.com> Tel: 86-755-2868 0489 Email: admin@ctnt-cert.com

TEST REPORT



REPORT NO: CTNT2606090050101

Product name : Laser

Model No : FC-450/520/660-3ch-30W

Applicant : Changchun New Industries Optoelectronics Technology Co., Ltd.

Test procedure : Type Test

Shenzhen Zhongwei Testing Technology Co., Ltd.



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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

TEST REPORT**EN 60825-1****Safety of laser products – Part 1:
Equipment classification and requirements****Report Number.....:** CTNT2606090050101**Date of issue.....:** Jun. 23, 2026**Name of Testing Laboratory
preparing the Report**

Shenzhen Zhongwei Testing Technology Co., Ltd.
 Room 1A106 & 2C230, No.109, Lijia Road, Henggang, Henggang
 Subdistrict, Longgang District, Shenzhen, Guangdong, China
 Tel: 086-13662574496
 E-mail: admin@ctnt-cert.com
 Web: www.ctnt-cert.com

Applicant's name

Changchun New Industries Optoelectronics Technology Co., Ltd.

Address.....: No.888 Jinhua Road High-tech Zone, Changchun 130103, P.R. China**Manufacturer's name.....:** Changchun New Industries Optoelectronics Technology Co., Ltd.**Address.....:** No.888 Jinhua Road High-tech Zone, Changchun 130103, P.R. China**Test specification:****Standard.....:** EN 60825-1:2014+A11:2021+AC:2022**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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Test item description.....: Laser**Trademark.....:** N/A**Model/Type reference.....:** FC-450/520/660-3ch-30W**Ratings.....:** 100V-240V~ 50/60Hz 2.2A 200W

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Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
Laboratory Name	Shenzhen Zhongwei Testing Technology Co., Ltd.	
Testing location/ address	Room 1A106 & 2C230, No.109, Lijia Road, Henggang, Henggang Subdistrict, Longgang District, Shenzhen, Guangdong, China	
Prepared by (Reporting Engineer)..... :	Brandon Li	
Reviewed by (Supervisor)..... :	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+AC:2022 Safety of laser products – Part 1: Equipment classification and requirements. This product complied with the requirements of Class 4. Note: The inspected laser is a non-terminal product. More protective mechanisms should be taken into consideration in the working scenarios of terminal products.	Testing location: Shenzhen Zhongwei Testing Technology Co., Ltd. Room 1A106 & 2C230, No.109, Lijia Road, Henggang, Henggang Subdistrict, Longgang District, Shenzhen, Guangdong, China Tel: 086-755-28680489 E-mail: admin@cntnt-cert.com Web: www.cntnt-cert.com	
Test item particulars..... :		
Classification of installation and use:	Portable	
Supply Connection..... :	Detachable cord	
laser Class as defined in 3.44 and 3.18 through 3.24 of EN 60825-1:2014+A11:2021+AC:2022..... :	Class 4	
Laser output power or energy (Determine the laser class)..... :	>0.5W	
Accessories and detachable parts included in the evaluation	N/A	

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