

## TEST REPORT



REPORT NO.: CTNT2501130030101(A1)

Product name : 500W fiber laser

Model No : FL-1080-500W

Applicant : GENII IDEAS Co., Ltd.

Test procedure : Type Test

Shenzhen Zhongwei Testing Technology Co., Ltd.



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Tel: 0755-28680489

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**TEST REPORT****IEC 60825-1****Safety of laser products –****Part 1: Equipment classification and requirements****IEC 60825-2****Safety of laser products –****Part 2: Safety of optical fibre communication systems (OFCSS)**

Report Number.....: CTNT2501130030101(A1)

Date of issue.....: Mar. 28, 2024

**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.....: GENII IDEAS Co., Ltd.

Address.....: 9F., No. 231, Linsen Rd., East Dist., Hsinchu City 300025, Taiwan

Manufacturer's name.....: GENII IDEAS Co., Ltd.

Address.....: 9F., No. 231, Linsen Rd., East Dist., Hsinchu City 300025, Taiwan

**Test specification:**

Standard.....: IEC 60825-1: 2014&amp;IEC 60825-2:2021

Test procedure.....: Type Test

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

Test Report Form No.....: IEC60825\_1G

Test Report Form(s) Originator.....: OVE

Master TRF.....: Dated 2021-10-05

**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.....: 500W fiber laser

Trademark.....: **GENII IDEAS**

Model/Type reference.....: FL-1080-500W

Ratings.....: 110V~ 60Hz 15A


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<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<b>Laboratory Name</b>	Shenzhen Zhongwei Testing Technology Co., Ltd.	
<b>Testing location/ address.....:</b>	Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China	
<b>Tested by (Test Engineer).....:</b>	East Zheng	<i>East Zheng</i>
<b>Reviewed by (Supervisor).....:</b>	Oliver Long	<i>Oliver Long</i>
<b>Approved by (Chief Engineer).....:</b>	Flight Lee	
<b>List of Attachments (including a total number of pages in each attachment):</b>		
- Test data graph, Photo document		
<b>Summary of testing:</b>		
<b>Tests performed (name of test and test clause):</b>  Determination of the result includes consideration of measurement uncertainty from the test equipment and methods.  According to the test of IEC 60825-1 Safety of laser products – Part 1: Equipment classification and requirements and IEC 60825-2: 2021 Safety of laser products –Part 2: Safety of optical fibre communication systems (OFCS).  <b>This product complied with the requirements of Class 4.</b>	<b>Testing location:</b>  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@cntnt-cert.com Web: www.cntnt-cert.com	
<b>Test item particulars.....:</b>		
<b>Classification of installation and use:</b>	Transportable / Portable / Stationary / Mobile / Fixed / Permanently installed / Hand-held	
<b>Supply Connection.....:</b>	Internally powered / Permanently installed / Appliance coupler / Non-detachable cord / Detachable cord	
<b>laser Class as defined in 3.44 and 3.18 through 3.24 of IEC 60825-1:2014.....:</b>	Class 1, 1C, 1M, 2, 2M, 3R, 3B, or 4	
<b>laser output (power or energy).....:</b>	See below	
<b>Accessories and detachable parts included in the evaluation .....</b>	N/A	

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