

TEST REPORT

EN 62233

Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure

Report reference No.	UNIA25071106SR-01
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Date of issue.....	Aug. 06, 2025
Testing Laboratory Name	Shenzhen United Testing Technology Co., Ltd.
Address	D101&D401, No. 107, Kaicheng High-Tech Park, Taoyuan Community, Dalang Sub-District, Longhua District, Shenzhen, Guangdong, China
Testing location	As above
Applicant's Name	Shenzhen Idea Light Limited
Address	3th Floor, Block B, Shengdelan Industry Park, Guanlan, Longhua District, Shenzhen, Guangdong Province, China, 518110
Test specification	
Standard.....	EN 62233:2008
Test procedure	CE
Non-standard test method	N/A
This test report is for the customer shown above and their specific product only. It may not be duplicated or used in part without prior written consent from UNI lab.	
Test item description	Laser Facial Mask
Trademark	N/A
Manufacturer.....	Shenzhen Idea Light Limited 3th Floor, Block B, Shengdelan Industry Park, Guanlan, Longhua District, Shenzhen, Guangdong Province, China, 518110
Model and/or type reference	TLM300-L, TLM300
Ratings.....	Charging Input: 5V==0.7A Battery: 3.8V, 720mAh

Summary of testing:
Testing location:

Shenzhen United Testing Technology Co., Ltd.
D101&D401, No. 107, Kaicheng High-Tech Park, Taoyuan Community, Dalang Sub-District, Longhua District, Shenzhen, Guangdong, China

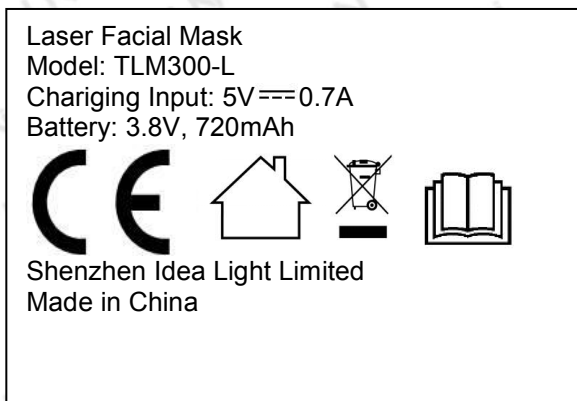
Tests performed (name of test and test clause):

These tests fulfil the requirements of standard ISO/IEC 17025.

When determining the test conclusion, the Measurement Uncertainty of test has been considered.

This test report includes:

Annex 1: Photos.

Copy of marking plate:

Note:

-These marking plate artworks above may be only a draft.

Test item particulars : Classification of installation and use..... : Class III Supply Connection..... : /	
Possible test case verdicts: - test case does not apply to the test object..... : N(N/A) - test object does meet the requirement..... : P(Pass) - test object does not meet the requirement..... : F(Fail)	
TESTING: Date of receipt of test item..... : Jul. 11, 2025 Date (s) of performance of tests..... : Jul. 11, 2025 to Jul. 15, 2025	
General remarks: The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. "(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report. Throughout this report a comma (point) is used as the decimal separator.	
General product information: Laser Facial Mask, powered by DC5V and 3.8V battery, for indoor use only. Model difference: 1. All models have same construction and circuit principle; But difference from the model name. 2. The differences do not influence the safety performance of the product. 3. All tests were conducted on the model TLM300-L and the test result was passed.	

1) Test Summary:

The EMF (Electromagnetic Field) measurement at the highest level component for the Laser Facial Mask

Model: TLM300-L was shown as below:

Test Result Summary:

Model	Maximal test result (%)	Weighted result	Maximum Limit (%)	Pass / Fail
TLM300-L	2.60	N/A	100	Pass

2) Test condition:

Power Source of EUT	3.8V battery
Operation Condition	Battery shall be fully charged prior, maximum setting, continuously running
Test Method	Time domain evaluation, 4.2.4.1 of EN 62233. Independent of the type of signal, a time domain measurement of the value of the magnetic flux density can be carried out. For fields having several frequencies, the frequency characteristic of the transfer function takes into account the frequency dependency of the reference levels.
Ambient Condition	23.7 °C
Background Level	0.646%
Measuring Distance	0 cm
Coupling Factor	0.16
Sensor Locations	toward user (contact side)

3) Test data:

Measuring Positions	contact side
Test result (%)	2.60

4) Notes:

1. In accordance to EN 62233, the reference level of the magnetic flux density at frequency at 50Hz is 100 μ T.
2. The test result is obtained from the following formula :
Test result = ($B_{r.m.s}$ / B_{RL})
The weighted result is obtained from the following formula :
Weighted result = { $a_c(r1)$ $B_{r.m.s}$ } / B_{RL}
Where $B_{r.m.s}$ is the r.m.s value of the magnetic flux density; B_{RL} is the reference level of the magnetic flux density at 50Hz; $a_c(r1)$ is the coupling factor.

List of test equipment used:						
Clause / Test items	Instr. Code	Measurement / testing	Range used	Make and Model	Calibration date	
					Last	Due
/	SC75	EMF Tester	10-400KHz	Narda, ETL-400	2025-03-31	2026-03-31

Annex 1
Photo documentation



Annex 1



Annex 1



Annex 1



Annex 1



--End of report--

Annex 1

Statement

1. This report must have the signature of the authorized signatory and the special seal of the report, otherwise it will be considered invalid. If there is no anti-counterfeiting electronic seal of the laboratory in the report in PDF format or it is displayed as "×", the report is invalid.
2. This report shall not be modified, added or deleted without authorization.
3. The results of this report are only valid for the samples provided by Applicant to our laboratory for inspection (That is, samples received by our laboratory. Without special explanation, it refers to the samples presented in the report "Sample Photo(s)").
4. If there is any objection to the test data and conclusions of this report, please submit it in writing within 10 working days after the date of issuance of the report.
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8. The Chinese and English reports issued by our laboratory have the same effect. In case of any difference in understanding, the Chinese version shall prevail.
9. Please provide the complete report documents issued by our laboratory when inquiring the report.
10. For cases where compliance is determined based on test values, when relevant specifications, standards, documents, and customers have no relevant requirements and no other special instructions, the test report issued by this laboratory is carried out in full value and adopts ILAC-G8:09 /2019 "Simple Acceptance Rule" for judgment.