Pure Forms LLC

MPE ASSESSMENT REPORT

Report Type:
FCC MPE assessment report

Model:
DL2197

REPORT NUMBER:
230900893SHA-002

ISSUE DATE:
July 2, 2024

DOCUMENT CONTROL NUMBER:
TTRFFCCMPE-02_V1

Intertek Testing Services Shanghai
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Shanghai 200233, China

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TEST REPORT

Report no.: 230900893SHA-002

Applicant:	Pure Forms LLC
	4744 Center Park, San Antonio, Texas, 78218 USA
Manufacturer:	Zhongshan Luxgend Electronics Co.,Ltd
	7th, Jiahua Rd., Qianlong, Sanxiang Town, Zhongshan City, Guangdong Province, China 528463
Manufacturer Site:	Zhongshan Luxgend Electronics Co.,Ltd
	7th, Jiahua Rd., Qianlong, Sanxiang Town, Zhongshan City, Guangdong Province, China 528463
Product Name:	Desklamp
Type/Model:	DL2197
FCC ID:	2BGAI-8930-8935

SUMMARY:

The equipment complies with the requirements according to the following standard(s) or Specification:

FCC PART 1 SECTION 1.1310
KDB447498 D01 General RF Exposure Guidance v06
KDB 680106 D01 Wireless Power Transfer v04

PREPARED BY:	**REVIEWED BY:**
Project Engineer Dylan Tang	Reviewer Wakeyou Wang

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TEST REPORT

Revision History

Report No.	Version	Description	Issued Date
230900893SHA-002	Rev. 01	Initial issue of report	July 2, 2024

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TEST REPORT

Measurement result summary

TEST ITEM	FCC REFERANCE	TEST RESULT	NOTE
RF Exposure	1.1310	Pass	-

Notes: 1: NA =Not Applicable
2: Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.
3: Additions, Deviations and Exclusions from Standards: None.

TEST REPORT

1 GENERAL INFORMATION

1.1 Description of Equipment Under Test (EUT)

Product name:	Desklamp
Type/Model:	DL2197
Description of EUT:	The EUT is a Desklamp, it has only one model.
Rating:	DC24V INPUT, 150W Max Adapter: Manufacturer: SHENZHEN PENGSHENGYE ELECTRONIC CO.,LTD Model: PSY2407500MM Input: 100-240Vac, 50/60Hz, Max 3A Output: 24.0V ⎓7.5A 180.0W
Category of EUT:	Class B
EUT type:	☒ Table top ☐ Floor standing
Software Version:	8930-SW-V0
Hardware Version:	8930-HW-V0
Sample received date:	October 15, 2023
Date of test:	October 15, 2023 ~ April 8, 2024

1.2 Technical Specification

Frequency Range:	111kHz – 205kHz
Modulation:	FSK
Antenna:	Coil antenna

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1.3 Description of Test Facility

Name:	Intertek Testing Services Shanghai
Address:	Building 86, No. 1198 Qinzhou Road(North), Shanghai 200233, P.R. China
Telephone:	86 21 61278200
Telefax:	86 21 54262353

The test facility is recognized, certified, or accredited by these organizations:	CNAS Accreditation Lab Registration No. CNAS L0139
	FCC Accredited Lab Designation Number: CN0175
	IC Registration Lab CAB identifier.: CN0014
	VCCI Registration Lab Registration No.: R-14243, G-10845, C-14723, T-12252
	A2LA Accreditation Lab Certificate Number: 3309.02

2 TEST SPECIFICATIONS

2.1 Standards or specification

FCC PART 1 SECTION 1.1310
KDB 680106 D01 Wireless Power Transfer v04
KDB447498 D01 General RF Exposure Guidance v06

2.2 Mode of operation during the test

Within this test report, EUT was tested under all modes and tested under its rating voltage and frequency. Other voltage and frequency are specified if used. The worst data was listed in the report.

2.3 Test peripherals list

Item No.	Name	Band and Model	Description
1	Wireless load	iphone x	100% power level
2	Wireless load	iphone x	50% power level
3	Wireless load	iphone x	0% power level

2.4 Record of climatic conditions

Test Item	Temperature (°C)	Relative Humidity (%)	Pressure (kPa)
RF Exposure	24	53	101

2.5 Instrument list

Used	Equipment	Manufacturer	Type	Internal no.	Due date
☑	Exposure Level Tester	Narda	NBM-550	EC 6113	2025-04-06
☑	E-Field sensor(100kHz-3GHz)	Narda	EF 0391	EC 6113-1	2025-04-06
☑	H-Field sensor(300kHz-30MHz)	Narda	HF 3061	EC 6113-2	2025-04-06
☑	Exposure Level Tester(1Hz-400kHz)	Narda	ELT-400	EC 2928	2025-04-06

2.6 Measurement uncertainty

Test Items	Expanded Uncertainty (k=2)
H-field	0.9 dB
E-field	1.1 dB

3 RF Exposure Assessment

Test result: **Pass**

3.1 Assessment Limit

Reference: 47 CFR §1.1310, KDB 680106

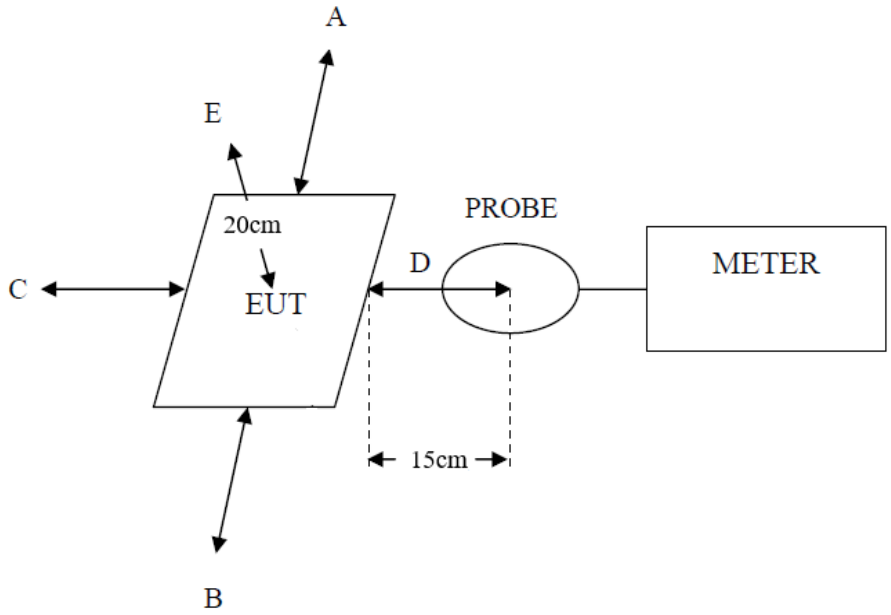
Limits for General Population/Uncontrolled Exposure

Frequency range [MHz]	Electric field strength [V/m]	Magnetic field strength [A/m]	Power density [mW/cm^2]	Averaging time [minutes]
0.1 – 0.3	614	1.63	*100	30
0.3 – 1.34	614	1.63	*100	30
1.34 – 30	824/f	2.19/f	*180/f^2	30
30 – 300	27.5	0.073	0.2	30
300 – 1 500	-	-	f/1500	30
1 500 – 100 000	-	-	1.0	30

Limits for Occupational/Controlled Exposure

Frequency range [MHz]	Electric field strength [V/m]	Magnetic field strength [A/m]	Power density [mW/cm^2]	Averaging time [minutes]
0.1 – 0.3	614	1.63	*100	6
0.3 – 3.0	614	1.63	*100	6
3.0 – 30	1842/f	4.89/f	*900/f^2	6
30 – 300	61.4	0.163	1.0	6
300 – 1 500	-	-	f/300	6
1 500 – 100 000	-	-	5	6

3.2 Assessment Configuration



3.3 Assessment Results

Test result of Magnetic Field Strength:

Test Position	Test distance (cm)	Test result (A/m)	Limit (A/m)	Result (Pass/Fail)
A: Right	15	0.061	1.63 *0.5	Pass
B: Left	15	0.0290	1.63 *0.5	Pass
C: Front	15	0.127	1.63 *0.5	Pass
D: Back	15	0.070	1.63 *0.5	Pass
E: Top	20	0.155	1.63 *0.5	Pass

Test result of Electric Field Strength:

Test Position	Test distance (cm)	Test result (V/m)	Limit (V/m)	Result (Pass/Fail)
A: Right	15	1.651	614 *0.5	Pass
B: Left	15	2.307	614 *0.5	Pass
C: Front	15	1.269	614 *0.5	Pass
D: Back	15	1.698	614 *0.5	Pass
E: Top	20	2.186	614 *0.5	Pass

********** END **********