

# SHAOXING SHANGYU HENGDA LIGHTING CO.,LTD

## MPE ASSESSMENT REPORT

**Report Type:**  
FCC MPE assessment report

**Model:**  
HD1903W, HD1908W

**REPORT NUMBER:**  
200802833SHA-002

**ISSUE DATE:**  
Sep 25, 2020

**DOCUMENT CONTROL NUMBER:**  
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**Applicant:** SHAOXING SHANGYU HENGDA LIGHTING CO.,LTD  
LUZE WEST ROAD,LIANGHU INDUSTRIAL ZONE,SHANGYU,SHAOXING  
CITY,ZHEJIANG,CHINA

**Manufacturer:** SHAOXING SHANGYU HENGDA LIGHTING CO.,LTD  
LUZE WEST ROAD,LIANGHU INDUSTRIAL ZONE,SHANGYU,SHAOXING  
CITY,ZHEJIANG,CHINA

**Manufacturing site:** SHAOXING SHANGYU HENGDA LIGHTING CO.,LTD  
LUZE WEST ROAD,LIANGHU INDUSTRIAL ZONE,SHANGYU,SHAOXING  
CITY,ZHEJIANG,CHINA

**FCC ID:** 2AXLS-1908W1903W

### SUMMARY:

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

**FCC PART 1 SECTION 1.1310**

**PREPARED BY:**

**REVIEWED BY:**



Project Engineer  
Teddy Yin



Reviewer  
Daniel Zhao

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## Revision History

Report No.	Version	Description	Issued Date
200802833SHA-002	Rev. 01	Initial issue of report	Sep 25, 2020

## 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.

## 1 GENERAL INFORMATION

### 1.1 Description of Equipment Under Test (EUT)

Product name:	LED TABLE LAMP
Type/Model:	HD1903W, HD1908W
Description of EUT:	EUT is a LED table lamp with wireless charge function. Both models have the same wireless charging circuit. HD1903W uses alternative adaptor: KDP-AE050300U or GP-SW050DC3000(US). HD1908W uses alternative adaptor: KDP-AE150150U or GP-SW150DC1500(US). Both models were tested, and the worst data is listed in the report.
Rating:	120Vac, 60Hz, 0.6A, 7W(HD1903W), 120Vac, 60Hz, 0.8A, 13W(HD1908W) Wireless charge output: DC 5V/1A, USB output: DC 5V/1A Adaptor for HD1903W: KDP-AE050300U: Input: 100-240V~, 50/60Hz, 0.6A Output: DC 5V, 3000mA or GP-SW050DC3000(US): Input: 120V~, 50/60Hz, 0.5A Output: DC 5V, 3000mA Adaptor for HD1908W: KDP-AE150150U: Input: 100-240V~, 50/60Hz, 0.8A Output: DC 15V, 1500mA or GP-SW150DC1500(US): Input: 120V~, 50/60Hz, 0.5A Output: DC 15V, 1500mA
Category of EUT:	Class B
EUT type:	<input checked="" type="checkbox"/> Table top <input type="checkbox"/> Floor standing
Software Version:	/
Hardware Version:	/
Sample received date:	Aug 29, 2020
Date of test:	Aug 29~Sep 15, 2020

### 1.2 Technical Specification

Frequency Range:	110kHz – 205kHz
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**TEST REPORT**

**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: CN1175
	IC Registration Lab CAB identifier.: CN0051
	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 RF Exposure Wireless Charging App v03

### 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	/	100% power level
2	Wireless load	/	50% power level
3	Wireless load	/	0% power level

### 2.4 Record of climatic conditions

Test Item	Temperature (°C)	Relative Humidity (%)	Pressure (kPa)
RF Exposure	25°C	55% RH	101

**TEST REPORT****2.5 Instrument list**

Used	Equipment	Manufacturer	Type	Internal no.	Due date
<input checked="" type="checkbox"/>	Exposure Level Tester	Narda	NBM-550	EC 6113	2020-11-20
<input checked="" type="checkbox"/>	Field sensor & Field meter	Narda	EF 0391	EC 6113	2020-12-26

**TEST REPORT**

**3 RF Exposure Assessment**

Test result: Pass

**3.1 Assessment Limit**

Reference: 47 CFR §1.1310, KDB 680106

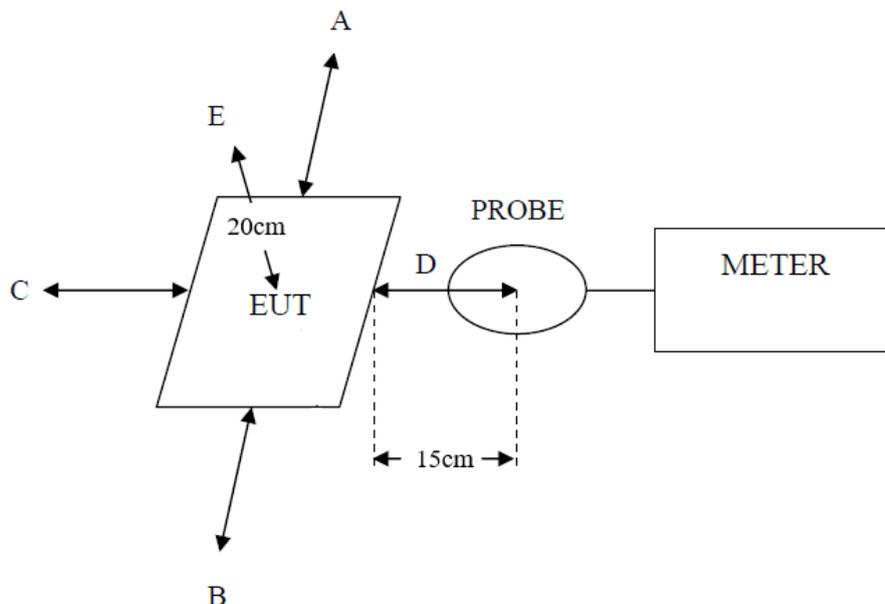
Limits for General Population/Uncontrolled Exposure

Frequency range [MHz]	Electric field strength [V/m]	Magnetic field strength [A/m]	Power density [mW/cm <sup>2</sup> ]	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 <sup>2</sup>	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 <sup>2</sup> ]	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 <sup>2</sup>	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**



**TEST REPORT**

**3.3 Assessment Results**

Model: HD1903W

Test result of Magnetic Field Strength:

Test Position	Test distance (cm)	Test result (A/m)	Limit (A/m)	Result (Pass/Fail)
A: Right	15	0.0011	1.63 *0.5	Pass
B: Left	15	0.0012	1.63 *0.5	Pass
C: Front	15	0.0009	1.63 *0.5	Pass
D: Back	15	0.0010	1.63 *0.5	Pass
E: Top	20	0.0017	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	0.37	614 *0.5	Pass
B: Left	15	0.41	614 *0.5	Pass
C: Front	15	0.33	614 *0.5	Pass
D: Back	15	0.33	614 *0.5	Pass
E: Top	20	0.71	614 *0.5	Pass

Model: HD1908W

Test result of Magnetic Field Strength:

Test Position	Test distance (cm)	Test result (A/m)	Limit (A/m)	Result (Pass/Fail)
A: Right	15	0.0010	1.63 *0.5	Pass
B: Left	15	0.0011	1.63 *0.5	Pass
C: Front	15	0.0009	1.63 *0.5	Pass
D: Back	15	0.0011	1.63 *0.5	Pass
E: Top	20	0.0016	1.63 *0.5	Pass

**TEST REPORT**

Test result of Electric Field Strength:

Test Position	Test distance (cm)	Test result (V/m)	Limit (V/m)	Result (Pass/Fail)
A: Right	15	0.38	614 *0.5	Pass
B: Left	15	0.41	614 *0.5	Pass
C: Front	15	0.34	614 *0.5	Pass
D: Back	15	0.34	614 *0.5	Pass
E: Top	20	0.70	614 *0.5	Pass

\*\*\*\*\* END \*\*\*\*\*