

TEST REPORT

Report No.....: AB25100087FW02

FCC ID.....: **2AQVC-HBPTL101-05**

Applicant.....: Cordelia lighting Inc.

Address.....: 20101 S.Santa Fe Avenue,Rancho Dominguez, California, United States

Manufacturer.....: Cordelia lighting Inc.

Address.....: 20101 S.Santa Fe Avenue,Rancho Dominguez, California, United States

Product Name.....: LED Desk Lamp

Trade Mark.....: /

Model/Type reference.....: HBPTL101-05

Listed Model(s).....: LED-T00115

Standard.....: FCC CFR Title 47 Part 1 Subpart I, Section 1.1310

Standard.....: KDB 680106 D01

Date of Receipt.....: 2025.10.29

Date of Test Date.....: 2025.10.29-2025.11.05

Date of issue.....: 2025.11.26

Test result.....: Pass

Compiled by: (Printed name+signature)	Huaijie Li	
Supervised by: (Printed name+signature)	David Huang	
Approved by: (Printed name+signature)	Jay Liu	

Testing Laboratory Name.....: Aibo Standard Technology (Shenzhen) Co., Ltd.

101, Building B, Tuori New Energy Industrial Park, High-tech Park,
Tianliao Community, Yutang Street, Guangming District, Shenzhen
Address.....: City, Guangdong Province, China

This test report may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The client should not use it to claim product endorsement by Aibo. The test results in the report only apply to the tested sample. The test report shall be invalid without all the signatures of testing engineers, reviewer and approver. Any objections must be raised to Aibo within 15 days since the date when the report is received. It will not be taken into consideration beyond this limit. The test report merely correspond to the test sample.

TEST REPORT

EUT.....	: LED Desk Lamp
Test Model.....	: HBPTL101-05
Applicant.....	: Cordelia lighting Inc.
Address.....	: 20101 S.Santa Fe Avenue,Rancho Dominguez, California, United States
Manufacturer.....	: Cordelia lighting Inc.
Address.....	: 20101 S.Santa Fe Avenue,Rancho Dominguez, California, United States
Factory1.....	: Home Star International Ltd
Address1.....	: Room 201 & 301,Building No 4,No 9 Jiangcheng West RoadShangjiangcheng Village, Gaobu Town,Dongguan,China
Factory2.....	: AUROLITE ELECTRICAL(VIETNAM) COMPANY LIMITED
Address2.....	: C3, B2C4 zone, Road 3, KCN Viet Huong, P Thuan Giao, Thuan an, Binh Duong

Test Result	Positive
--------------------	-----------------

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

TABLE OF CONTENTS

1. GENERAL INFORMATION	4
2.SUMMARY OF TEST RESULTS	5
2.2 EMENT UNCERTAINTY	5
3.MAXIMUM PERMISSIBLE EXPOSURE	7
4.TEST PROCEDURE	8
4.1 TEST SETUP	8

1. GENERAL INFORMATION

1.1 General Description of EUT

Product Name:	LED Desk Lamp
Model/Type reference:	HBPTL101-05
Trademark:	N/A
Listed models:	LED-T00115
Model Difference:	All models are the same circuit and RF module, except the model name.
Power supply:	DC12V 2A Powered by AC/DC adapter
Power supply(Battery):	N/A
Hardware version:	N/A
Software version:	N/A
RF Specification	
Operation frequency:	110.5- 205 KHz
Modulation Type:	ASK
Test Frequency	127 KHz
Power Rating	Output: 5W/10(Wireless charger)
Test Sample ID	AB25100087-1#
Antenna Type	Internal Antenna
Antenna Gain	0dBi
Note 1:For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.	

2.SUMMARY OF TEST RESULTS

2.1 Test procedures according to the technical standards:

FCC CFR 47			
Standard Section	Test Item	Judgment	Remark
FCC CFR 47 part1, 1.1310 680106 D01 Wireless Power Transfer v04	Electric Field Strength (E) (V/m)	PASS	
	Magnetic Field Strength (H) (A/m)	PASS	

2.2 Ement uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95 %** .

No.	Item	Uncertainty
1	All emissions, radiated(<30M)(9KHz-30MHz)	$\pm 2.45\text{dB}$
2	Temperature	$\pm 0.5^{\circ}\text{C}$
3	Humidity	$\pm 2\%$

2.3 Test Instruments

Equipment	Manufacturer	Model	Serial no.	Calibrated date	Calibrated Due
Electromagnet-ic Radiation testere	WAVECONTROL	SMP3	23SL0158	2025-10.16	2026-10.15
Electromagnet -ic field probe	WAVECONTROL	WP400-3	24WP240067	2025-10.16	2026-10.15
Test-Software	WAVECONTROL	SMP	N/A	N/A	N/A

NOTE: 1. The calibration interval of the above test instruments is 12 months.

2.4 Special Accessories

No.	Equipment	Manufacturer	Model
1	Mobile Phone	Apple	A2108
2	AC adapter	GOOD-SHE	GS-551

2.5 Operation of EUT during testing

Test Modes:		
Mode 1	AC/DC Adapter(DC 5V) + EUT + Mobile Phone (battery status: 1%)	Record
Mode 2	AC/DC Adapter(DC 5V) + EUT + Mobile Phone (battery status: 50%)	Record
Mode 3	AC/DC Adapter(DC 5V) + EUT + Mobile Phone (battery status: 100%)	Record
Note: All test modes were pre-tested, but we only recorded the worst case in this report.		

3.MAXIMUM PERMISSIBLE EXPOSURE

Limit of Maximum Permissible Exposure

Limits for Occupational / Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6
Limits for General Population / Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180 / f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1	30

Note 1: f = frequency in MHz ; *Plane-wave equivalent power density

Note 2: For the applicable limit, see FCC 1.1310(e).

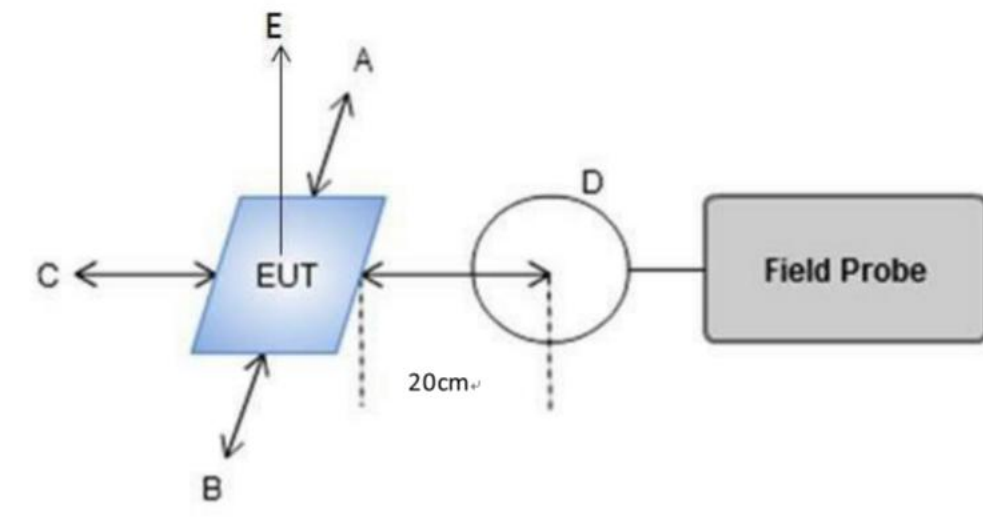
Note 3: Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz

.Note 4: operation frequency: 110.5- 205 KHz

4.TEST PROCEDURE

a. For devices designed for typical desktop applications, such a wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 20 cm. E and H field strength measurements or numerical modeling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm measured from the center of the probe(s) to the edge of the device.

4.1 TEST SETUP



4.2 RESULT OF MAXIMUM PERMISSIBLE EXPOSURE

Temperature	22.8℃	Humidity	55%
Test Engineer	Guangke Zhao	Configurations	Mode 1

Mode 1						
Test Position	Test Distance (cm)	Probe Measure Result (uT)	Probe Measure Result (A/m)	Probe Measure Result (V/m)	Limit (A/m)	Limit (V/m)
Side 1(A)	20	0.3	0.24	0.53	1.63	614
Side 2(B)	20	0.5	0.4	0.49	1.63	614
Side 3(C)	20	0.2	0.16	0.46	1.63	614
Side 4(D)	20	0.3	0.24	0.48	1.63	614
Top(E)	20	0.4	0.32	0.80	1.63	614

Field Strength at 20 cm from the edges surrounding the EUT and 20cm from the top surface of the EUT

$A/m = uT/1.25$

Aibo Standard Technology (Shenzhen) Co., Ltd.

101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, China

Tel.: +(86) 0755 85250797

E-mail: aibo@aibonorm.com

Website: www.aibonorm.com

Mode 2						
Test Position	Test Distance (cm)	Probe Measure Result (uT)	Probe Measure Result (A/m)	Probe Measure Result (V/m)	Limit (A/m)	Limit (V/m)
Side 1(A)	20	0.2	0.16	0.54	1.63	614
Side 2(B)	20	0.3	0.24	0.47	1.63	614
Side 3(C)	20	0.5	0.4	0.65	1.63	614
Side 4(D)	20	0.4	0.32	0.71	1.63	614
Top(E)	20	0.6	0.16	0.81	1.63	614

Mode 3						
Test Position	Test Distance (cm)	Probe Measure Result (uT)	Probe Measure Result (A/m)	Probe Measure Result (V/m)	Limit (A/m)	Limit (V/m)
Side 1(A)	20	0.5	0.4	0.41	1.63	614
Side 2(B)	20	0.2	0.16	0.54	1.63	614
Side 3(C)	20	0.6	0.48	0.35	1.63	614
Side 4(D)	20	0.1	0.08	0.44	1.63	614
Top(E)	20	0.5	0.4	0.43	1.63	614

Field Strength at 20 cm from the edges surrounding the EUT and 20cm from the top surface of the EUT

$$V/m = 10(((20 \lg(A/m \cdot 10^6) + 51.5) - 120) / 20)$$

$$A/m = uT / 1.25$$

4.3 Equipment Approval Considerations

The EUT does comply with KDB 680106 D01 as follow table.

Requirements of KDB 680106 D01	Yes / No	Description
Power transfer frequency is less than 1 MHz	Yes	The device operate in the frequency range 110.5KHz~205KHz
Output power from each primary coil is less than 15 watts	Yes	The maximum output power for each primary coil is 15W.
The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time.	Yes	The transfer system includes one primary coils and are able to detect and allow coupling only between individual pairs of coils.
Client device is placed directly in contact with the transmitter.	Yes	Client device is placed directly in contact with the transmitter.
Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).	Yes	Mobile exposure conditions only
The aggregate H-field strengths anywhere at or beyond 15 cm surrounding the device, and 20 cm away from the surface from all coils that by design can simultaneously transmit, and while those coils are simultaneously energized, are demonstrated to be less than 50% of the applicable MPE limit.	Yes	The EUT H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

4.4 Conclusion

The detected emissions with a distance of 15cm surrounding the device and 20 cm above the top surface of the device are below the FCC E-Field Strength & H-Field Strength limits; and comply with the requirements of FCC KDB 680106 D01.

PHOTOGRAPH OF TEST

Side 1(A)



Aibo Standard Technology (Shenzhen) Co., Ltd.

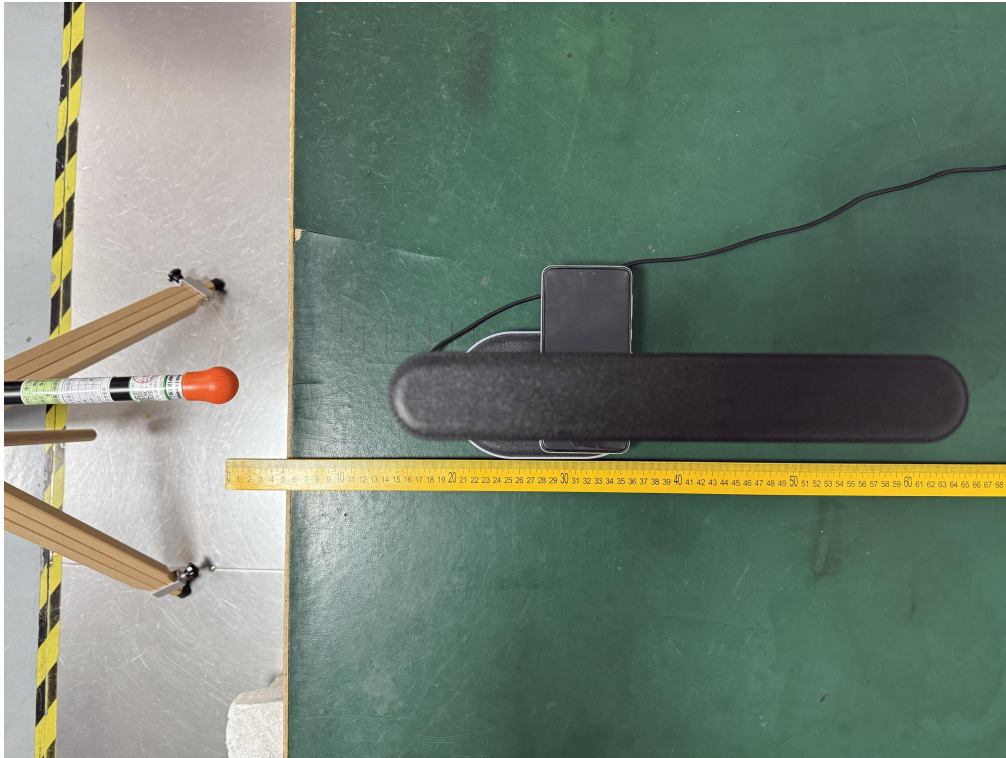
101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street,
Guangming District, Shenzhen City, Guangdong Province, China

Tel.: +(86) 0755 85250797

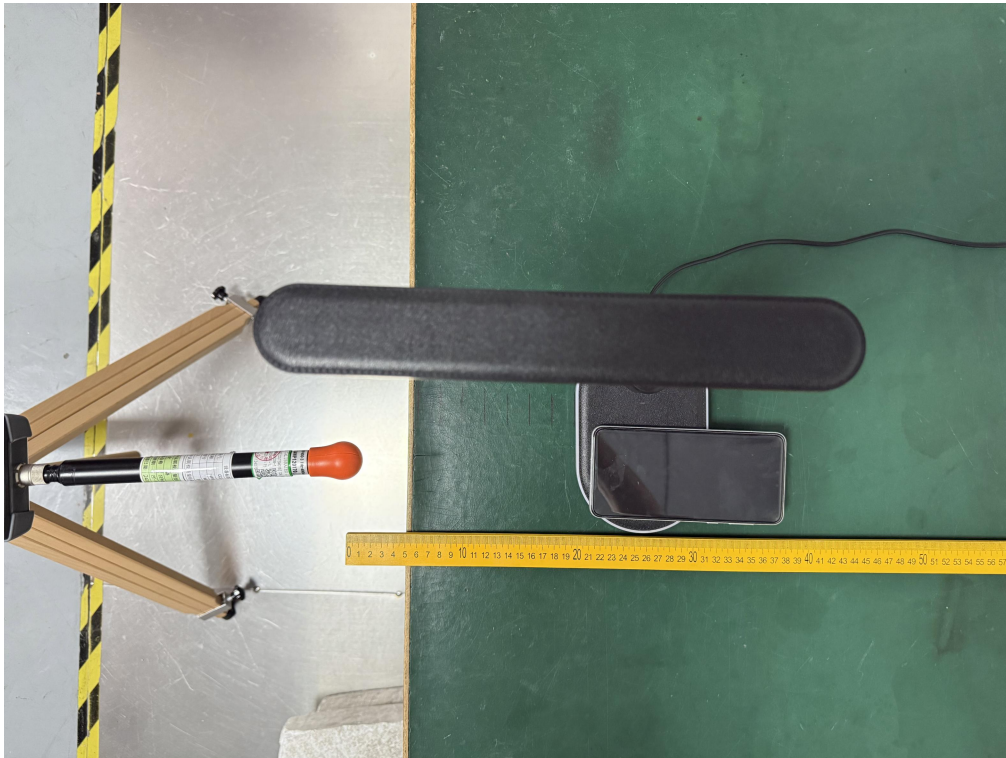
E-mail: aibo@aibonorm.com

Website: www.aibonorm.com

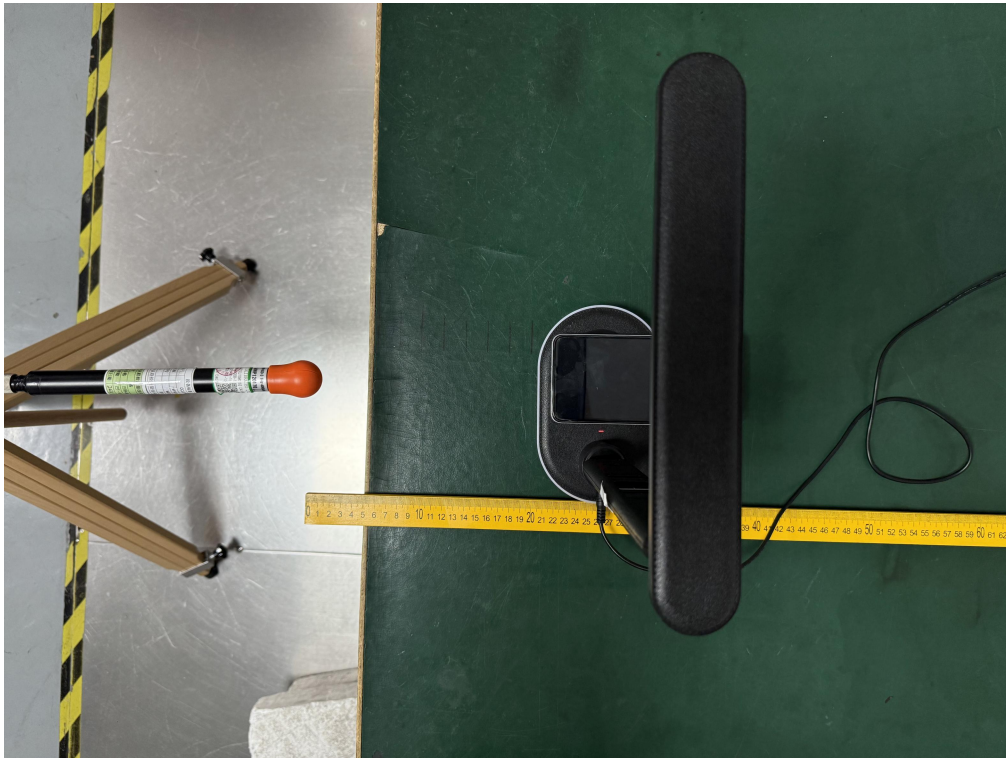
Side 2(B)



Side 3(C)



Side 4(D)



Top(E)



※※※※※THE END※※※※※