

Maximum Permissible Exposure (MPE)

No. 180301555SHA-002

Applicant : Zhejiang Yankon Group Co.,Ltd.
TONGJIANG MIDDLE ROAD SHANGYU
ECONOMIC DEVELOPMENT ZONE ZHEJIANG
PROVINCE

Manufacturer : Zhejiang Yankon Group Co.,Ltd.
TONGJIANG MIDDLE ROAD SHANGYU
ECONOMIC DEVELOPMENT ZONE ZHEJIANG
PROVINCE

Equipment : LED Desk Light

Type/Model : MTSL1011XX (X can be A to Z, it represents the color of
the enclosure. For example, YS means Silver as Y
represents Yin and S represents Silver).

SUMMARY

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

FCC PART 1 SECTION 1.1310

Date of issue: April 17, 2018

Prepared by:



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Reviewed by:



Daniel Zhao (*Reviewer*)

Description of Test Facility

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1. General Information

1.1 Applicant Information

Applicant: Zhejiang Yankon Group Co.,Ltd.
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Manufacturer: Zhejiang Yankon Group Co.,Ltd.
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Sample received date: March 26, 2018

Date of test: March 30, 2018

1.2 Identification of the EUT

Equipment: LED Desk Light

Type/model: MTSL1011XX (X can be A to Z, it represents the color of the enclosure. For example, YS means Silver as Y represents Yin and S represents Silver).

1.3 Technical specification

Operating Frequency Range: 110-205kHz

Rating: 120V~, 60Hz, 5W

Description of EUT: The EUT is a desk lamp with wireless charging function.

1.4 Mode of operation during the test / Test peripherals used

We tested the load at all three power level modes, and the 100% Power level mode is the worst case, we listed the results in this report.

Item No.	Name	Manufacturer	Mode	Rating
1	Load1	Client	100% Power level	DC 5V/1A
2	Load2	Client	50% Power level	DC 5V/0.5A
3	Load3	Client	Stand by	DC 5V/0A

2. Test Specification

2.1 Instrument list

Semi-anechoic chamber	Model	Manufacturer	2017-5-12	2018-5-11
Exposure Level Tester	ELT-400	Narda	2017.8.5	2018.8.4
Field sensor	FP6001	AR	2017.8.5	2018-8-4
Field meter	FM5004	AR	2017.8.5	2018-8-4

2.2 Test Summary

This report applies to tested sample only. This report shall not be reproduced in part without written approval of Intertek Testing Service Shanghai.

TEST ITEM	FCC REFERANCE	Limit	RESULT
RF Exposure	FCC PART 1.1310	1.1310	Pass

3. RF Exposure

Test result: PASS

3.1 Limit

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 ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/150	30
1500-100,000	--	--	1.0	30

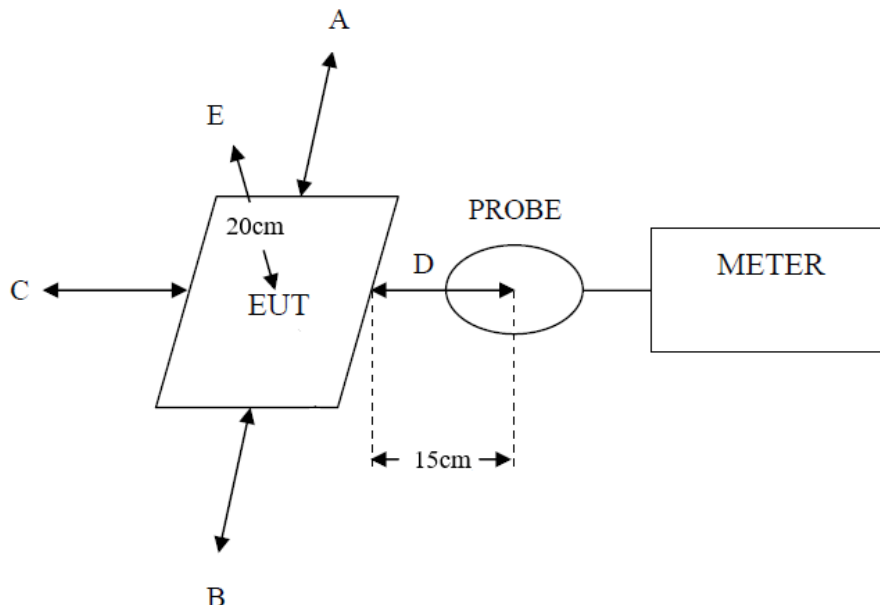
f = frequency in MHz

*Plane-wave equivalent power density

KDB 680106 D01(3)(3):

For devices designed for typical desktop applications, such a wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 10 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 10 cm measured from the center of the probe(s) to the edge of the device.

3.2 Test Configuration



3.3 Test Protocol

Temperature : 24°C
Relative Humidity : 53%

EUT was tested with empty load, half load and full load, the full load is the worst case and we listed the results in the report.

Test result of Magnetic Field Strength:

Test Position	Test distance (cm)	Test result (A/m)	Limit (A/m)
A: Right	15	0.0473	1.63
B: Left	15	0.0476	1.63
C: Front	15	0.0531	1.63
D: Back	15	0.0687	1.63
E: Top	20	0.0907	1.63

Test result of Electric Field Strength:

Test Position	Test distance (cm)	Test result (V/m)	Limit (V/m)
A: Right	15	2.33	614
B: Left	15	2.12	614
C: Front	15	2.35	614
D: Back	15	2.61	614
E: Top	20	2.81	614