MPE TEST REPORT

Report No: STS1803230W01

Issued for

SUNVALLEYTEK INTERNATIONAL, INC.

46724 Lakeview Blvd, Fremont, CA 94538

Product Name:	LED DESK LAMP
Brand Name:	TAOTRONICS
Model Name:	TT-DL043
Series Model:	N/A
FCC ID:	2AFDGTT-DL043
Test Standard:	FCC CFR 47 part 1, 1.1310

Shenzhen STS Test Services Co., Ltd.
1/F., Building B, Zhuoke Science Park, No.190, Chongqing Road,
Fuyong Street, Bao'an District, Shenzhen, Guangdong, China
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TEST RESULT CERTIFICATION

Applicant's name ..... :	SUNVALLEYTEK INTERNATIONAL, INC.
Address ..... :	46724 Lakeview Blvd, Fremont, CA 94538
Manufacture's Name ..... :	Shenzhen NearbyExpress Technology Development Company
Address ..... :	333 Bulong Road, Jialianda Industrial Park, Building 1, Bantian, Longgang District, Shenzhen, China

Product description

Product Name ..... :	LED DESK LAMP
Brand Name ..... :	TAOTRONICS
Model Name ..... :	TT-DL043
Series Model ..... :	N/A
Standards :	FCC CFR 47 part 1, 1.1310
Test Procedure :	680106 D01 RF Exposure Wireless Charging Apps v03

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of performance of tests:	10 Apr. 2018 ~ 19 Apr. 2018
Date of Issue :	20 Apr. 2018
Test Result :	**Pass**

Testing Engineer : Chris chen

(Chris chen)

Technical Manager : Sean She

(Sean she)

Authorized Signatory : Vita Li

(Vita Li)

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Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	20 Apr. 2018	STS1803230W01	ALL	Initial Issue

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:
FCC KDB 680106 D01 RF Exposure Wireless Charging Apps v03

FCC CFR 47			
Standard Section	Test Item	Judgment	Remark
FCC CFR 47 part1, 1.1310 KDB680106 D01v03	Electric Field Strength (E) (V/m)	PASS	
	Magnetic Field Strength (H) (A/m)	PASS	

1.1 TEST FACTORY

Shenzhen STS Test Services Co., Ltd.
Add. : 1/F., Building B, Zhuoke Science Park, No.190, Chongqing Road, Fuyong Street, Bao'an District, Shenzhen, Guangdong, China
CNAS Registration No.: L7649; FCC Registration No.: 625569
IC Registration No.: 12108A; A2LA Certificate No.: 4338.01;

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ±**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)	±2.45dB
2	Temperature	±0.5°C
3	Humidity	±2%

1.3 GENERAL DESCRIPTION OF EUT

Product Name	LED DESK LAMP
Trade Name	TAOTRONICS
Model Name	TT-DL043
Series Model	N/A
Model Difference	N/A
Equipemnt Category	Non-ISM frequency
Operating frequency	110KHz-128KHz
Adapter	Model : VSL1200300HK(UK), VSL1200300HE(UE) Brand: VERE Input: AC 100-240V, 50/60Hz, 1.2A Output: DC 12V, 3A
Rated Power	5W/samsung10W/I Phone 7.5W
Hardware version number	2.0.6
Software version number	CPS100BFE_13_ZBAO_V1.0.0.hex

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	NOTE
1	TAOTRONICS	TT-DL043	Coil	N/A	Antenna

The EUT antenna is Coil Antenna. No antenna other than that furnished by the responsible party shall be used with the device.

1.4 EQUIPMENTS LIST FOR ALL TEST ITEMS

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
EMF Meter	NARDA	ELT-400	N-0342	2017.10.23	2018.10.22
EMF probe	NARDA	B-Field Probe	M-0779	2017.10.23	2018.10.22
Broadband field meter NARDA NBM	550	Broadband field meter NARDA NBM	E-1275	2017.10.23	2018.10.22
Broadband field probe NARDA EF	0391	Broadband field probe NARDA EF	D-0894	2017.10.23	2018.10.22

2. MAXIMUM PERMISSIBLE EXPOSURE

2.1 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/ cm²)	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/ cm²)	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, 680106 D01 RF Exposure Wireless Charging Apps v03

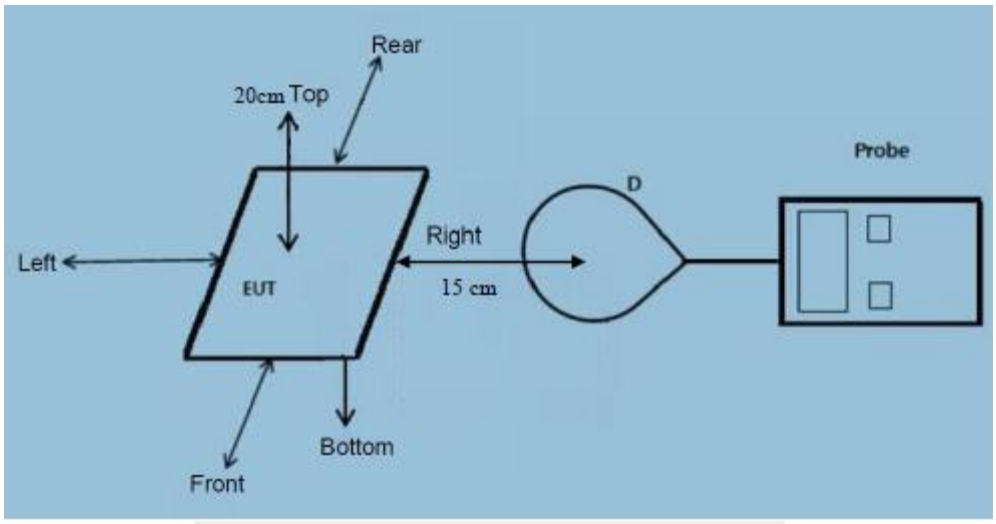
Note 3: Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz.

Note 4: The aggregate 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 .

2.2 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(Top) and 15cm(Edge). 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 20 cm(Top) and 15cm(Edge) measured from the center of the probe(s) to the edge of the device.

2.3 TEST SETUP



2.4 RESULT OF MAXIMUM PERMISSIBLE EXPOSURE

Maximum Permissible Exposure				
Charging	Separation	Probe from EUT Side	E-field (V/m)	H-field (A/m)
< 1% Battery	15cm	Front	0.463	0.113
< 1% Battery	15cm	Rear	0.451	0.105
< 1% Battery	15cm	Left	0.455	0.117
< 1% Battery	15cm	Right	0.462	0.109
< 1% Battery	20cm	Top	0.471	0.124
Limit			614	1.63
Margin Limit (%)			0. 077%	7.6%

Maximum Permissible Exposure				
Charging	Separation	Probe from EUT Side	E-field (V/m)	H-field (A/m)
50% Battery	15cm	Front	0.465	0.114
50% Battery	15cm	Rear	0.457	0.106
50% Battery	15cm	Left	0.452	0.112
50% Battery	15cm	Right	0.468	0.107
50% Battery	20cm	Top	0.478	0.126
Limit			614	1.63
Margin Limit (%)			0.078%	7.7%

Maximum Permissible Exposure				
Charging	Separation	Probe from EUT Side	E-field (V/m)	H-field (A/m)
＞99% Battery	15cm	Front	0.467	0.118
＞99% Battery	15cm	Rear	0.452	0.105
＞99% Battery	15cm	Left	0.456	0.117
＞99% Battery	15cm	Right	0.461	0.106
＞99% Battery	20cm	Top	0.473	0.129
Limit			614	1.63
Margin Limit (%)			0.077%	7.9%

MPE SETUP PHOTO

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