

JS Products, Inc.

MPE ASSESSMENT REPORT

Report Type:
FCC MPE assessment report

Model:
MWLTL, TL1007

REPORT NUMBER:
200602724SHA-002

ISSUE DATE:
Sep 9, 2020

DOCUMENT CONTROL NUMBER:
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TEST REPORT

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Report no.: 200602724SHA-002

Applicant: JS Products, Inc.
6445 Montessouri St Las Vegas NV 89113 United States

Manufacturer: JS Products, Inc.
6445 Montessouri St Las Vegas NV 89113 United States

Manufacturing site: Ningbo Taller Electrical Appliance Co LTD
Gongji Road#1, Simen Industrial Zone, Yuyao, Zhejiang China 315470

FCC ID: 2AWIIMWLT

SUMMARY:

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

FCC PART 1 SECTION 1.1310

PREPARED BY:


Project Engineer
Teddy Yin

REVIEWED BY:


Reviewer
Daniel Zhao

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TEST REPORT**Revision History**

Report No.	Version	Description	Issued Date
200602724SHA-002	Rev. 01	Initial issue of report	Sep 9, 2020

TEST REPORT**Measurement result summary**

TEST ITEM	FCC REFERENCE	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:	MATCO TWIN LIGHT WORK LIGHT
Type/Model:	MWLTL, TL1007
Description of EUT:	EUT is a work light with wireless charge function. Both models are same except for the model name.
Rating:	Charger: Input: DC 12V, 3.5A Wireless charge output: DC 5V/1A, DC 9V/1.1A, DC 12/1.25A USB output: DC 5V, 2A*2(total 4A) Light: DC 3.7V, 2000mAh*2 Adaptor: Input: 100-240V~, 50/60Hz, 1.5A Max Output: DC 12V, 3.5A
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:	Jul 5, 2020
Date of test:	Jul 5~Aug 14, 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

TEST REPORT

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
4	Adaptor	KA4801A-1203500US	Input: 100-240V~, 50/60Hz, 1.5A Max Output: DC 12V, 3.5A

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

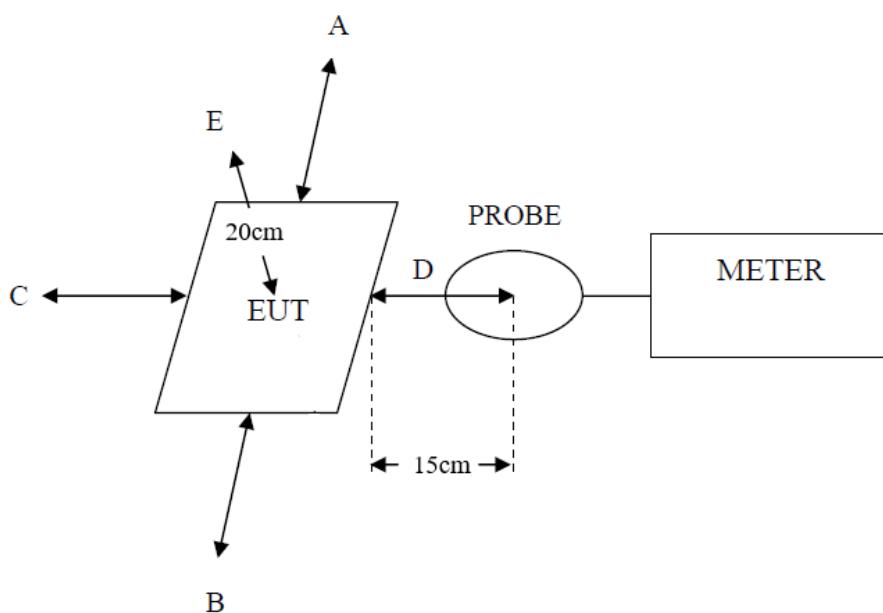
Limits for General Population/Uncontrolled Exposure

Frequency range [MHz]	Electric field strength [V/m]	Magnetic field strength [A/m]	Power density [mW/cm 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



TEST REPORT**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	0.0022	1.63 *0.5	Pass
B: Left	15	0.0018	1.63 *0.5	Pass
C: Front	15	0.0026	1.63 *0.5	Pass
D: Back	15	0.0011	1.63 *0.5	Pass
E: Top	20	0.0059	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	1.02	614 *0.5	Pass
B: Left	15	0.82	614 *0.5	Pass
C: Front	15	1.28	614 *0.5	Pass
D: Back	15	0.42	614 *0.5	Pass
E: Top	20	2.29	614 *0.5	Pass

***** END *****