HEALTH TEST REPORT

For

Shenzhen Sonoff Technologies Co., Ltd.

Wi-Fi Smart Lamp Holder

Test Model: SlampherR2

Additional Model No.: /

Prepared for	:	Shenzhen Sonoff Technologies Co., Ltd.
Address	:	Building 8, Room 1001, Lianhua industrial park, Longyuan Road, Hualian community, Longhua St, Longhua dist, Shenzhen, Guangdong, China.
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	101, 601, Xingyuan Industrial Park, Gushu Community, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China
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Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com
Date of receipt of test sample	:	March 28, 2019
Number of tested samples	:	1
Serial number	:	Prototype
Date of Test	:	March 28, 2019~ April 08, 2019
Date of Report	:	April 12, 2019

HEALTH TEST REPORT

EN 62479: 2010

Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz).

Report Reference No.	**: LCS190326086AED**
Date of Issue	: April 12, 2019
Testing Laboratory Name	**: Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address	: 101, 601, Xingyuan Industrial Park, Gushu Community, Xixiang Street, Bao' an District, Shenzhen, Guangdong, China
Testing Location/ Procedure	: Full application of Harmonised standards ■ Partial application of Harmonised standards ☐ Other standard testing method ☐
Applicant's Name.....	**: Shenzhen Sonoff Technologies Co., Ltd.**
Address	: Building 8, Room 1001, Lianhua industrial park, Longyuan Road, Hualian community, Longhua St, Longhua dist, Shenzhen, Guangdong, China.
Test Specification	
Standard	: EN 62479: 2010
Test Report Form No.	: LCSEMC-1.0
TRF Originator	: Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF	: Dated 2011-03

Test Item Description.	**: Wi-Fi Smart Lamp Holder**
Trade Mark	: SONOFF
Test Model	: SlampherR2
Ratings	**:** Input: AC 100V-240V 50/60Hz; Output: AC 100V-240V 50/60Hz
Result	**: Positive**

Compiled by:	**Supervised by:**	**Approved by:**
Ryan Hu	Calvin Weng	Gavin Liang
Ryan Hu/ File administrators	Calvin Weng/ Technique principal	Gavin Liang/ Manager

HEALTH -- TEST REPORT

Test Report No. : LCS181108006AED	December 25, 2018 Date of issue

Test Model.....	: SlampherR2
EUT.....	: Wi-Fi Smart Lamp Holder
Applicant.....	**: Shenzhen Sonoff Technologies Co., Ltd.**
Address.....	: Building 8, Room 1001, Lianhua industrial park, Longyuan Road, Hualian community, Longhua St, Longhua dist, Shenzhen, Guangdong, China.
Telephone.....	: /
Fax.....	: /
Manufacturer.....	**: Shenzhen Sonoff Technologies Co., Ltd.**
Address.....	: Building 8, Room 1001, Lianhua industrial park, Longyuan Road, Hualian community, Longhua St, Longhua dist, Shenzhen, Guangdong, China.
Telephone.....	: /
Fax.....	: /
Factory.....	: **/**
Address.....	: /
Telephone.....	: /
Fax.....	: /

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.

Revision History

Revision	Issue Date	Revisions	Revised By
000	April 12, 2019	Initial Issue	Gavin Liang

1. GENERAL INFORMATION

1.1. Product Description for Equipment Under Test (EUT)

EUT	:	Wi-Fi Smart Lamp Holder
Model No.	:	SlampherR2
Model Declaration	:	/
Test Model	:	Wi-Fi Smart Lamp Holder
Power Supply	:	Input: AC 100V-240V 50/60Hz; Output: AC 100V-240V 50/60Hz
Hardware Version	:	SlampherR2 pro V2.4
Software Version	:	FWSW-0185-SWITCH-8285-DOUT-v2.6.1-20181212.104940.637-FACTORY
WIFI(2.4G Band)	:	
Frequency Range	:	2412-2472MHz
Channel Spacing	:	5MHz
Channel Number	:	13 channels for 20MHz bandwidth(2412~2472MHz)
Modulation Type	:	802.11b: DSSS; 802.11g/n: OFDM
Antenna Description	:	Internal antenna, 1dBi (Max.)
433 Receiver	:	
Frequency Range	:	433.92MHz
Channel Number	:	1
Modulation Type	:	CCK
Receiver Category	:	Category 2
Antenna Description	:	Internal Antenna

EUT : Wi-Fi Smart Lamp Holder

Model No. : SlampherR2

Model Declaration : /

Test Model : Wi-Fi Smart Lamp Holder

Power Supply : Input: AC 100V-240V 50/60Hz;
Output: AC 100V-240V 50/60Hz

Hardware Version : SlampherR2 pro V2.4

1.2. Objective

According to the specifications, the EUT must comply with the requirements of the following standards:

EN 62479: 2010 –Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)

1.3. Test Methodology

All measurements contained in this report were conducted with EN 62479: 2010.

1.4. Description of Test Facility

FCC Registration Number is 254912.

Industry Canada Registration Number is 9642A-1.

EMSD Registration Number is ARCB0108.

UL Registration Number is 100571-492.

TUV SUD Registration Number is SCN1081.

TUV RH Registration Number is UA 50296516-001.

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

1.5. Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
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1.6. External I/O

I/O Port Description	Quantity	Cable
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1.7. Equipment

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements. Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, “Radio Interference Measuring Apparatus and Measurement Methods.”

1.8. Measurement Uncertainty

Parameter	Uncertainty
Occupied Channel Bandwidth	5 %
RF output power, conducted	1,5 dB
Power Spectral Density, conducted	3 dB
Unwanted Emissions, conducted	3 dB
All emissions, radiated	6 dB
Temperature	1 °C
Humidity	5 %
DC and low frequency voltages	3 %
Time	5 %
Duty Cycle	5 %

2. HUMAN EXPOSURE TO THE ELECTROMAGNETIC FIELDS

2.1 Test Methodology

2.1.1.General description of applied standards

According to its specifications, the EUT must comply with the requirements of the following standards: EN 62479- Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)

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2.1.2.Description of test modes

The EUT has been tested under its typical operating condition. Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

2.2 Test limit

If the average power emitted by apparatus operating in the frequency range 10 MHz – 300GHz is less than or equal to 20 mW and the transmitting peak power is less than 20 W then the apparatus is deemed to comply with the basic restrictions without testing.

2.3 Test Results

Since Max. output power for Bluetooth is 13.96mW (**11.45**dBm According to radio test report LCS181108006AEB&LCS181108006AEC) less than 20mW specified in EN 62479. This unit will not generate the harmful EM emission above the reference level as specified in EC Council Recommendation (1999/519/EC).

The unit complies with the EN 62479 for RF exposure requirement.

No non-compliance noted.

----------THE END OF REPORT----------