

OttLite Technologies, Inc.

TEST REPORT

SCOPE OF WORK

SAR Assessment– W5

REPORT NUMBER

190829003SZN-002

ISSUE DATE

16 September 2019

[REVISED DATE]

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PAGES

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DOCUMENT CONTROL NUMBER

RF Exposure

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Test Report

Applicant : OttLite Technologies, Inc.
220 West 7th Avenue STE 100
Tampa, FL 33602 United States

Sample Description

Product : LED table lamp

Model No. : W5

Brand Name : 

Electrical Rating : Input: DC 12V, 3A from adapter
Output: DC5V, 1A or DC9V, 1.1A by Wireless Charging
Output: DC5V, 2.1A by USB

Date Received : 29 August 2019

Date Test Conducted : 29 August 2019 to 12 September 2019

Test Requested : Test for compliance with CFR 47 part 1

Test Method : Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(c) and (d), 1.1310

Test Result : Pass

Conclusion : When determining of test conclusion, measurement uncertainty of tests have been considered.

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Date: 16 September 2019

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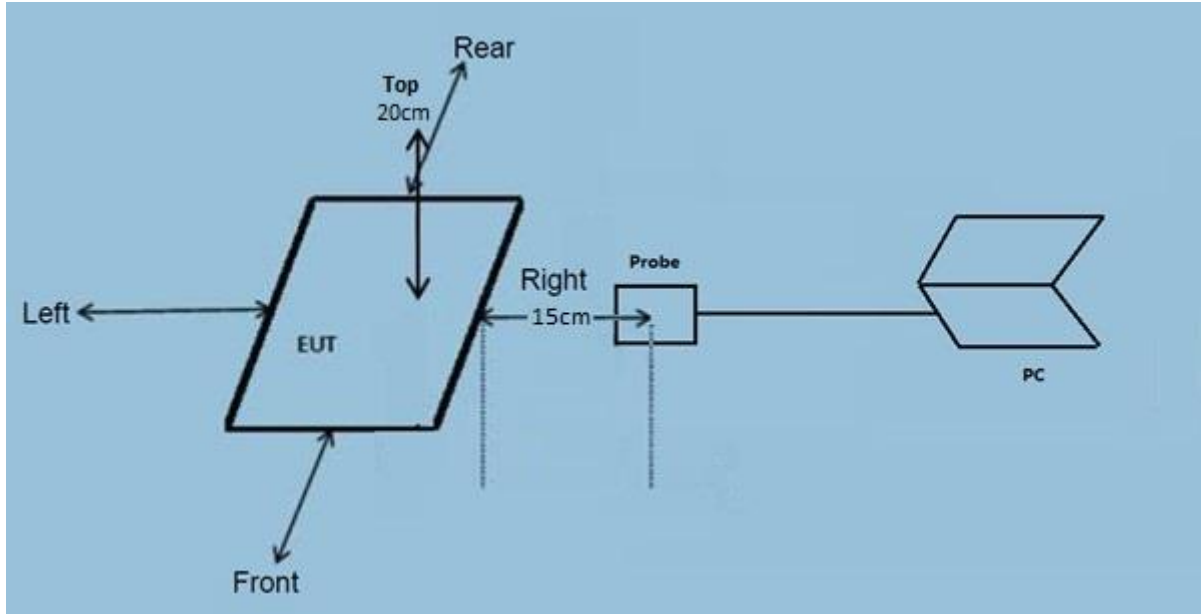
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Test Report

Test Setup Configuration



Note

- The RF exposure test is performed in the shield room.
- The test distance is between the edge of the charger and the geometric centre of probe.

Test Equipment List

| Name of instrument | Model | Manufacturer | Cal. Date | Due Date |
|-----------------------|---------|--------------|-------------|-------------|
| Exposure Level Tester | EHP-50F | Narda | 01-Apr-2019 | 01-Apr-2020 |

Reference Limit:

Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(c) and (d), 1.1310

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation.

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

| Frequency Range (MHz) | Electric Field strength (V/m) | Magnetic Field Strength (A/m) | Power Density (mW/cm ²) | Average Time (minutes) |
|---|-------------------------------|-------------------------------|-------------------------------------|------------------------|
| (A) Limits for Occupational/Controlled Exposure | | | | |
| 0.3 – 3.0 | 614 | 1.63 | (100) * | 6 |
| (B) Limits for General Population/Uncontrolled Exposure | | | | |
| 0.3 – 1.34 | 614 | 1.63 | (100) * | 30 |

Note: * = Plane wave equivalent power density

Test Result:

H-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

| Frequency Range (MHz) | EUT Operation mode | Probe Position Front (A/m) | Probe Position Rear (A/m) | Probe Position Left (A/m) | Probe Position Right (A/m) | Probe Position Top (A/m) | Limits (A/m) |
|-----------------------|--------------------|----------------------------|---------------------------|---------------------------|----------------------------|--------------------------|--------------|
| 0.110-0.205 | 1% Battery Level | 0.0233 | 0.0928 | 0.0344 | 0.0594 | 0.0234 | 1.63 |
| 0.110-0.205 | 50% Battery Level | 0.0231 | 0.0925 | 0.0342 | 0.0593 | 0.0231 | 1.63 |
| 0.110-0.205 | 99% Battery Level | 0.0233 | 0.0927 | 0.0344 | 0.0591 | 0.0233 | 1.63 |
| 0.110-0.205 | Stand-by | 0.0023 | 0.0024 | 0.0231 | 0.0242 | 0.0241 | 1.63 |

E-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

| Frequency Range (MHz) | EUT Operation mode | Probe Position Front (V/m) | Probe Position Rear (V/m) | Probe Position Left (V/m) | Probe Position Right (V/m) | Probe Position Top (V/m) | Limits (V/m) |
|-----------------------|--------------------|----------------------------|---------------------------|---------------------------|----------------------------|--------------------------|--------------|
| 0.110-0.205 | 1% Battery Level | 0.6726 | 0.7984 | 0.8536 | 0.7775 | 1.0372 | 614 |
| 0.110-0.205 | 50% Battery Level | 0.6724 | 0.7982 | 0.8536 | 0.7774 | 1.0371 | 614 |
| 0.110-0.205 | 99% Battery Level | 0.6724 | 0.7983 | 0.8535 | 0.7774 | 1.0370 | 614 |
| 0.110-0.205 | Stand-by | 0.6725 | 0.0372 | 0.0328 | 0.0592 | 0.0343 | 614 |

Configuration photo of the test:

For electronic filing, H-Field & E-Field Strength configuration photographs are saved with filename: H-Field & E-Field Strength test setup photos.pdf.

***** End of Report*****