

OttLite Technologies, Inc.

# TEST REPORT

**SCOPE OF WORK**

SAR ASSESSMENT– MA70M

**REPORT NUMBER**

181213013SZN-003

**ISSUE DATE**

21 January 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. Number: 181213013SZN-003  
 1715 N Westshore Blvd|Suite 950| Tampa, FL Date: 21 January 2019  
 33607

Sample Description

Product : LED DESK LAMP  
 Model No. : MA70M

Brand Name : OttLite  
 Electrical Rating : Input: AC100-240V, 50/60Hz, 1A; Output: DC 12V, 2500mA for adapter  
 DC5V, 1A output by wireless charger

Date Received : 13 December 2018

Date Test Conducted : 13 December 2018 to 27 December 2018

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.

\*\*\*\*\* End of Page \*\*\*\*\*

**Prepared and Checked By:**

**Approved By:**

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**Engineer**

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**Technical Supervisor**  
**Date: 21 January 2019**

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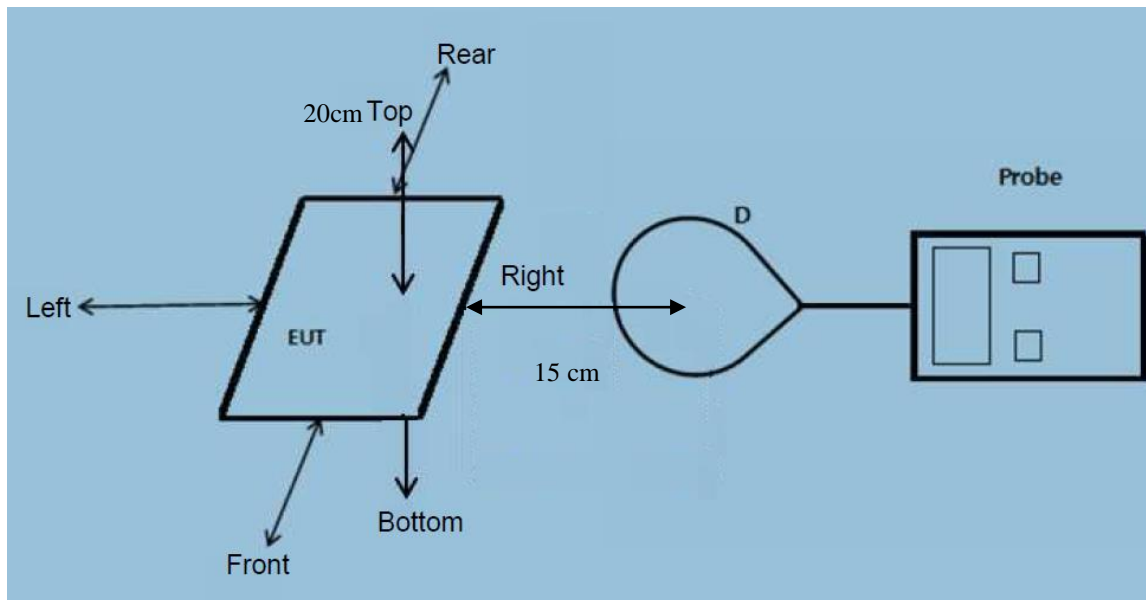
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## Test Report

### 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	ELT-4002304/03	Narda	21-Mar-18	21-Mar-19
Field Probe	HI-6105	ETS	21-Mar-18	21-Mar-19
Laser Data Interface	HI-6113	ETS	21-Mar-18	21-Mar-19

TEST REPORT

**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 <sup>2</sup> )	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	10% Battery Level	0.041	0.037	0.042	0.039	0.035	1.63
0.110-0.205	50% Battery Level	0.042	0.034	0.041	0.036	0.032	1.63
0.110-0.205	90% Battery Level	0.040	0.036	0.038	0.038	0.034	1.63
0.110-0.205	Stand-by	0.039	0.032	0.035	0.035	0.033	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	10% Battery Level	0.411	0.404	0.427	0.394	0.377	614
0.110-0.205	50% Battery Level	0.408	0.400	0.415	0.382	0.375	614
0.110-0.205	90% Battery Level	0.402	0.411	0.406	0.377	0.370	614
0.110-0.205	Stand-by	0.385	0.381	0.395	0.370	0.367	614

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