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OttLite Technologies, Inc.

TEST REPORT

SCOPE OF WORK
SAR ASSESSMENT– MA70M

REPORT NUMBER
181213013SZN-003

ISSUE DATE **[REVISED DATE]**

21 January 2019 [----------]

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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 33607	Date:	21 January 2019

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.

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Prepared and Checked By:

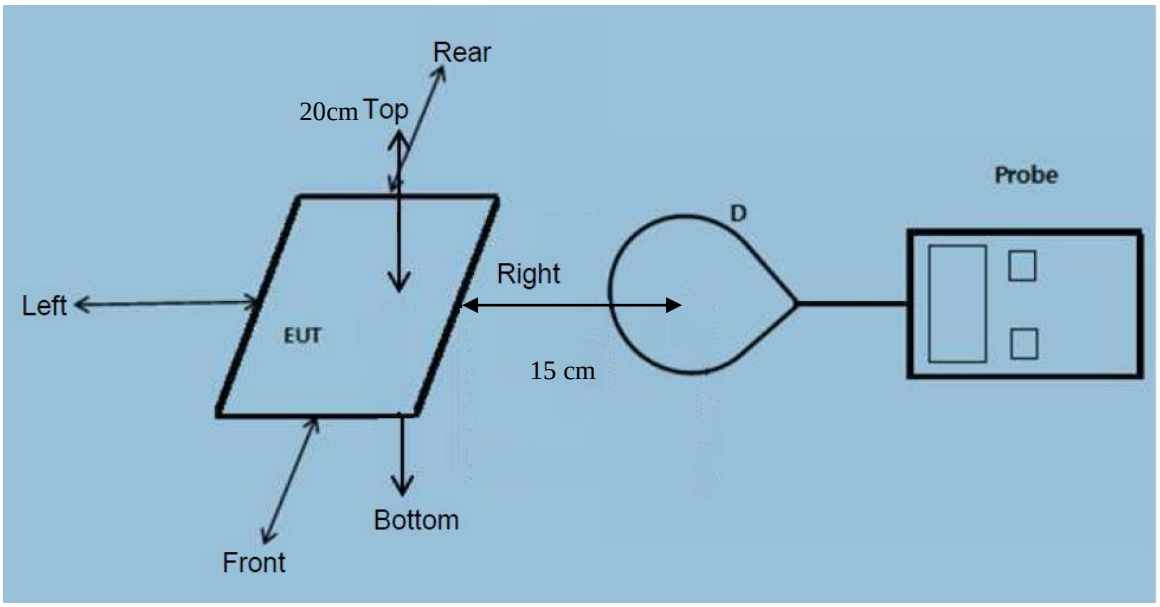
Jeff Liang
Engineer

Approved By:

Kidd Yang
Technical Supervisor
Date: 21 January 2019

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

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	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**********