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OttLite Technologies, Inc.

TEST REPORT

SCOPE OF WORK
SAR ASSESSMENT– HZ-X21C

REPORT NUMBER
181126007SZN-015

ISSUE DATE **[REVISED DATE]**

22 January 2019 [----------]

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DOCUMENT CONTROL NUMBER
RF Exposure

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Test Report

Applicant:	OttLite Technologies, Inc.	Number:	181126007SZN-015
	220 West 7th Avenue STE 100 Tampa, FL 33602 United States	Date:	22 January 2019

Sample Description

Product	:	LED Shine Desk Lamp with Wireless Charging
Model No.	:	HZ-X21C
Brand Name	:	OttLite
Electrical Rating	:	Input: AC100-240V, 50/60Hz, 1A; Output: DC 12V, 2A for adapter DC5V, 1A output by wireless charger
Date Received	:	26 November 2018
Date Test Conducted	:	26 November 2018 to 18 January 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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Prepared and Checked By:

Steven Zhou

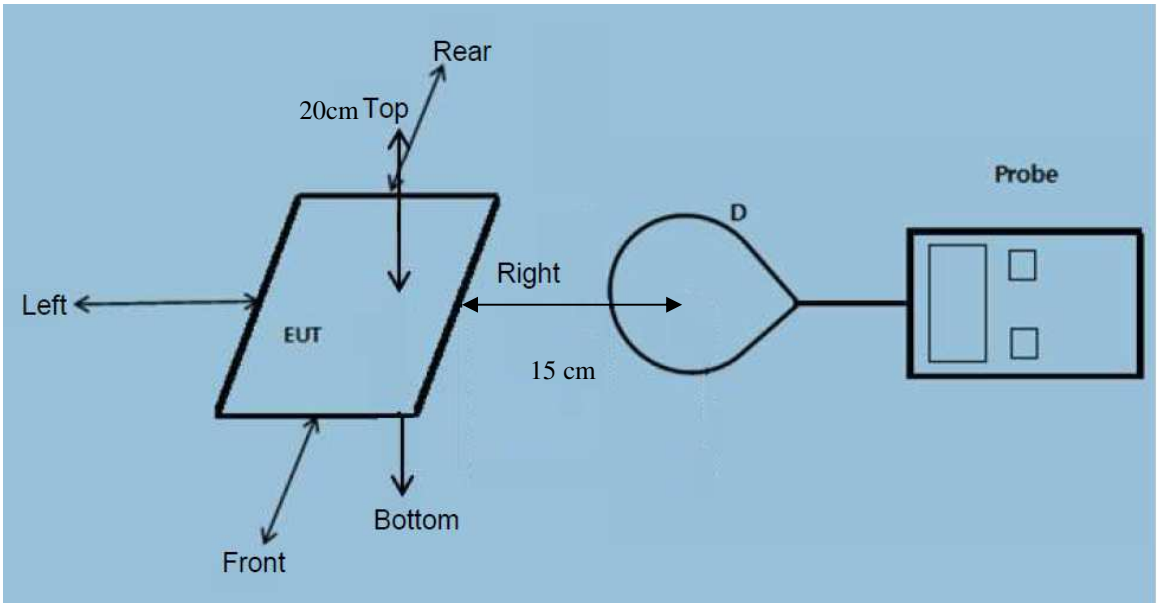
Steven Zhou
Engineer
Date: 22 January 2019

Approved By:

Kidd Yang
Technical Supervisor
Date: 22 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(HZ-X21C)

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)
0.090-0.205	1% Battery Level	0.152	0.145	0.129	0.143	0.159	1.63
0.090-0.205	50% Battery Level	0.135	0.159	0.153	0.133	0.132	1.63
0.090-0.205	90% Battery Level	0.151	0.13	0.145	0.163	0.161	1.63
0.090-0.205	Stand-by	0.116	0.122	0.113	0.137	0.101	1.63

E-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT(HZ-X21C)

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)
0.090-0.205	1% Battery Level	0.352	0.356	0.367	0.325	0.378	614
0.090-0.205	50% Battery Level	0.335	0.344	0.327	0.367	0.371	614
0.090-0.205	90% Battery Level	0.384	0.366	0.343	0.369	0.348	614
0.090-0.205	Stand-by	0.32	0.314	0.324	0.326	0.331	614

Configuration photo of the test:

For electronic filing, the RF exposure configuration photographs are saved with filename: RF exposure photos.pdf.

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