

# OttLite Technologies, Inc.

# TEST REPORT

**SCOPE OF WORK**

SAR Assessment– X9SC

**REPORT NUMBER**

200903043SZN-002

**ISSUE DATE**

16 September 2020

**[REVISED DATE]**

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**PAGES**

6

**DOCUMENT CONTROL NUMBER**

RF Exposure

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## Test Report

Applicant : OttLite Technologies, Inc.  
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FL 33607 United States

Sample Description

Product : LED table lamp  
Model No. : X9SC  
Brand Name : OttLite  
Electrical Rating : Input: DC 12V, 2.5A from adapter  
Wireless charging output: DC5V, 1A  
USB port output: DC5V, 2.1A

Date Received : 3 September 2020  
Date Test Conducted : 3 September 2020 to 11 September 2020

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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Date: 16 September 2020

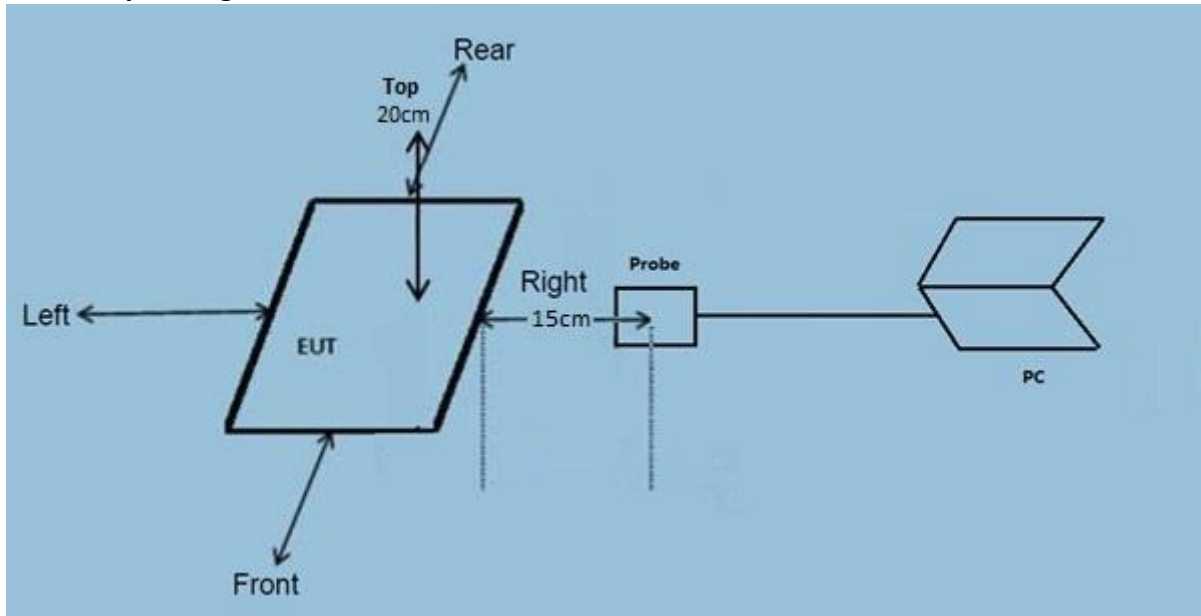
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## Test Report

### 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
Electric and Magnetic Field Analyzer	EHP-200A	Narda	2020-08-03	2021-08-03

**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**

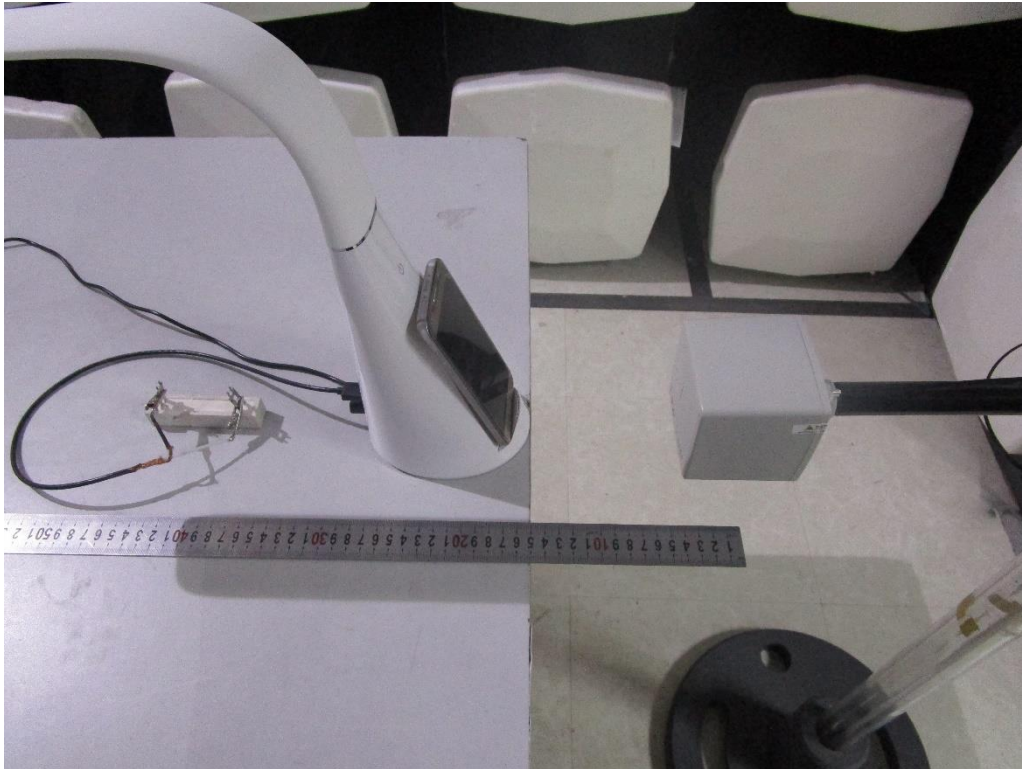
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (A/m)	Probe Position Rear (A/m)	Probe Position Left (A/m)	Probe Position Right (A/m)	Probe Position Top (A/m)	Limits (A/m)
0.110-0.205	1% Battery Level	0.0651	0.0655	0.0595	0.0634	0.0589	1.63
0.110-0.205	50% Battery Level	0.0634	0.0675	0.0534	0.0641	0.0596	1.63
0.110-0.205	99% Battery Level	0.0671	0.0624	0.0571	0.0687	0.0601	1.63
0.110-0.205	Stand-by	0.0498	0.0480	0.0449	0.0451	0.0435	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	0.7561	0.3684	0.6601	0.5754	0.4732	614
0.110-0.205	50% Battery Level	0.7348	0.3865	0.6596	0.5731	0.4718	614
0.110-0.205	99% Battery Level	0.7825	0.3786	0.6600	0.5714	0.4785	614
0.110-0.205	Stand-by	0.4088	0.4501	0.4208	0.4681	0.4120	614

**Configuration photo of the test:**

H-Field & E-Field Strength test photos

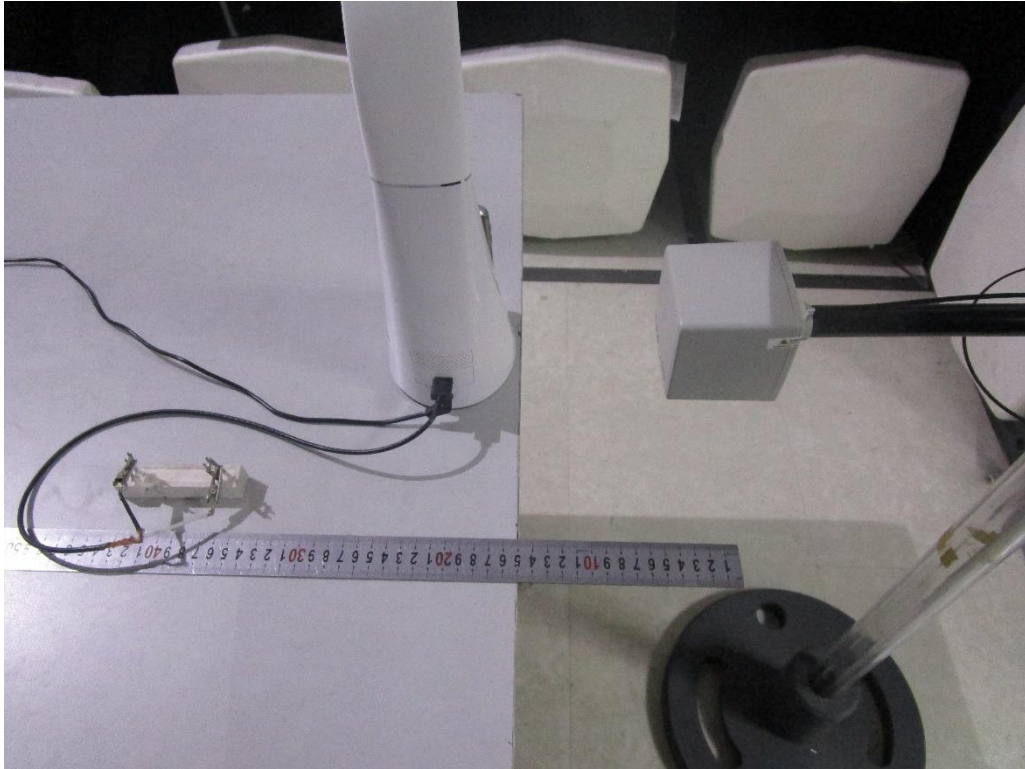


Front



Rear

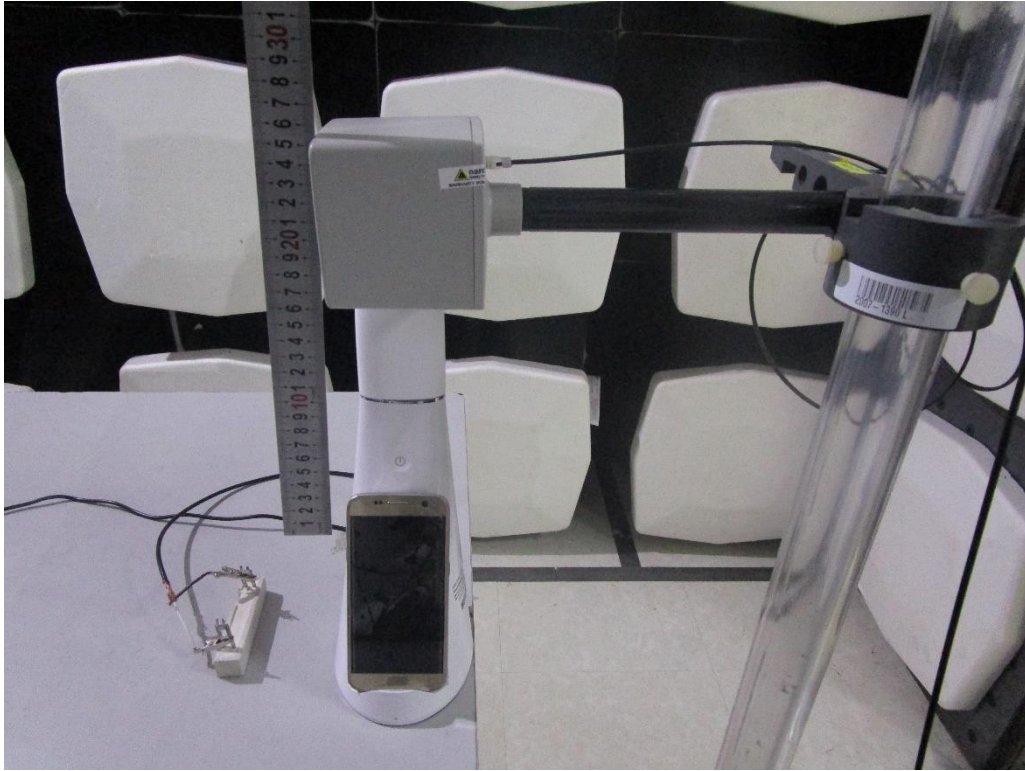




Left



Right



Top

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