

# OttLite Technologies, Inc.

# TEST REPORT

**SCOPE OF WORK**

SAR Assessment– U14SC

**REPORT NUMBER**

210406012SZN-002

**ISSUE DATE**

22 April 2021

**[REVISED DATE]**

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**PAGES**

6

**DOCUMENT CONTROL NUMBER**

RF Exposure

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## Test Report

Applicant : OttLite Technologies, Inc.  
1715 N Westshore Blvd STE 950 Tampa,  
FL 33607 United States

Sample Description

Product : LED table lamp  
Model No. : U14SC  
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 : 06 April 2021  
Date Test Conducted : 06 April 2021 to 22 April 2021

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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**Kidd Yang**  
Technical Supervisor  
Date: 22 April 2021

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**Intertek Testing Services Shenzhen Ltd. Longhua Branch**

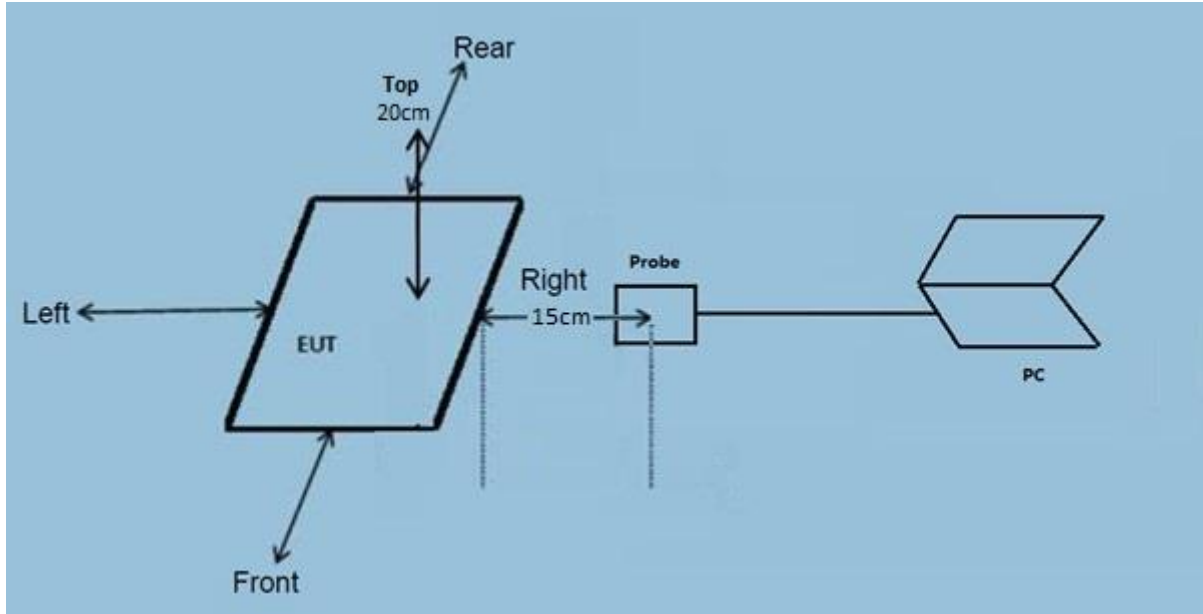
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## Test Report

### Test Setup Configuration



### Note

- The RF exposure test is performed in the shield room.
- The test distance is at or beyond 15 cm surrounding the device, and 20 cm away from the surface from all coils.

### 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 away from the surface from the coil of the EUT**

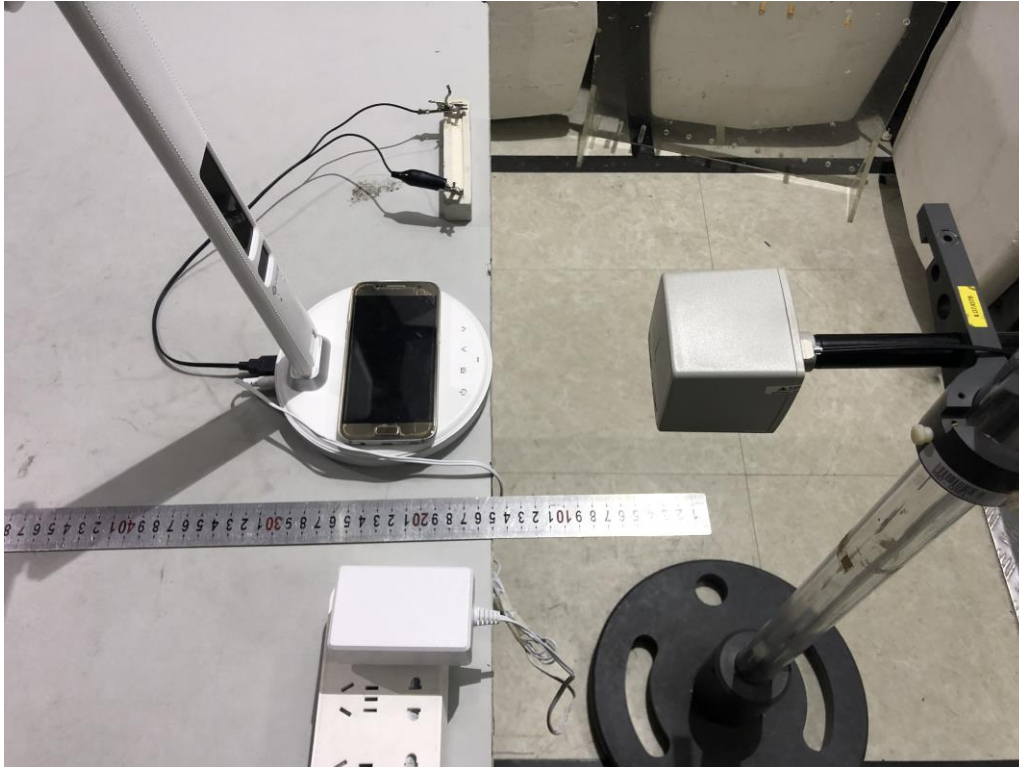
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (A/m)	Probe Position Rear (A/m)	Probe Position Left (A/m)	Probe Position Right (A/m)	Probe Position Top (A/m)	Limits (A/m)
0.111-0.205	1% Battery Level	0.0798	0.0791	0.0800	0.0800	0.0800	1.63
0.111-0.205	50% Battery Level	0.0748	0.0772	0.08003	0.0821	0.0829	1.63
0.111-0.205	99% Battery Level	0.0673	0.0729	0.0795	0.0782	0.0804	1.63
0.111-0.205	Stand-by	0.0683	0.0719	0.0782	0.0745	0.0838	1.63

**E-Field Strength at 15 cm surrounding the EUT and 20cm away from the surface from the coil of the EUT**

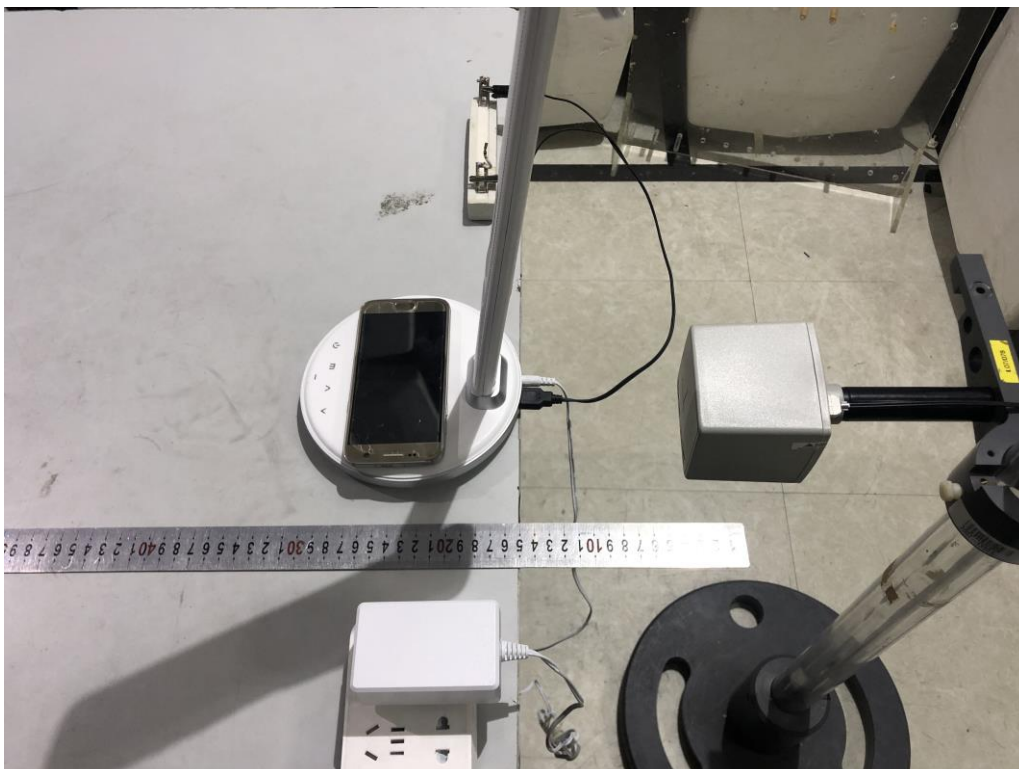
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (V/m)	Probe Position Rear (V/m)	Probe Position Left (V/m)	Probe Position Right (V/m)	Probe Position Top (V/m)	Limits (V/m)
0.111-0.205	1% Battery Level	0.6311	0.6350	0.6328	0.6310	0.6319	614
0.111-0.205	50% Battery Level	0.6301	0.6349	0.6334	0.6359	0.6339	614
0.111-0.205	99% Battery Level	0.6295	0.6320	0.6385	0.6304	0.6329	614
0.111-0.205	Stand-by	0.6339	0.6302	0.6392	0.6837	0.6339	614

**Configuration photo of the test:**

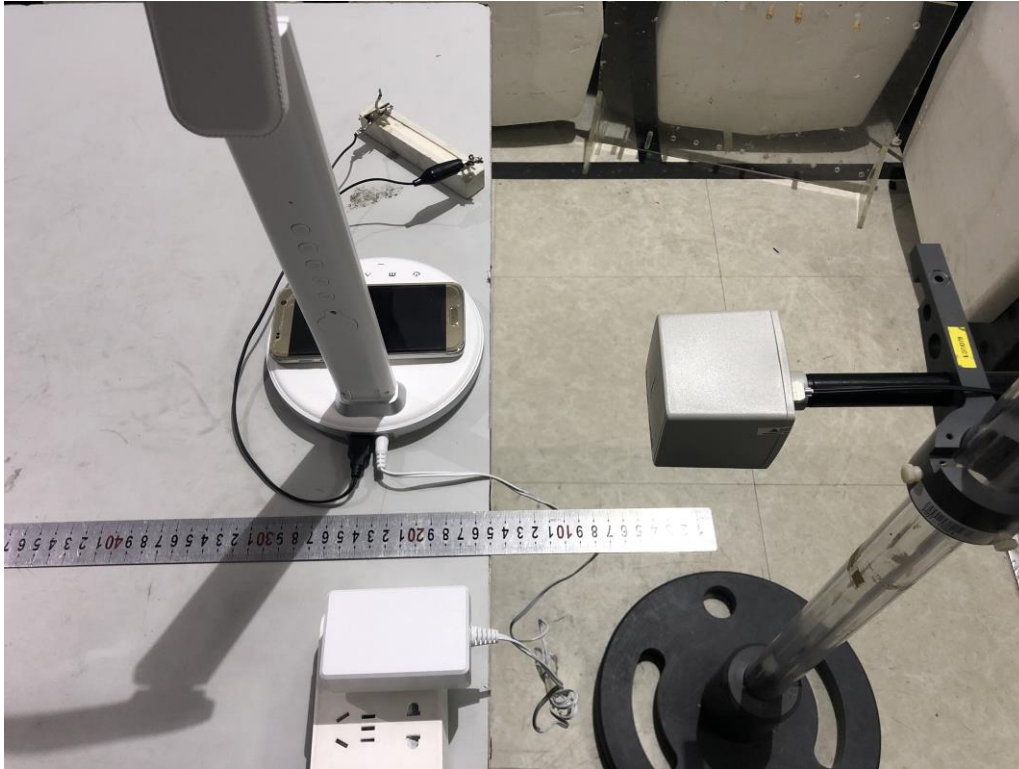
H-Field & E-Field Strength test photos



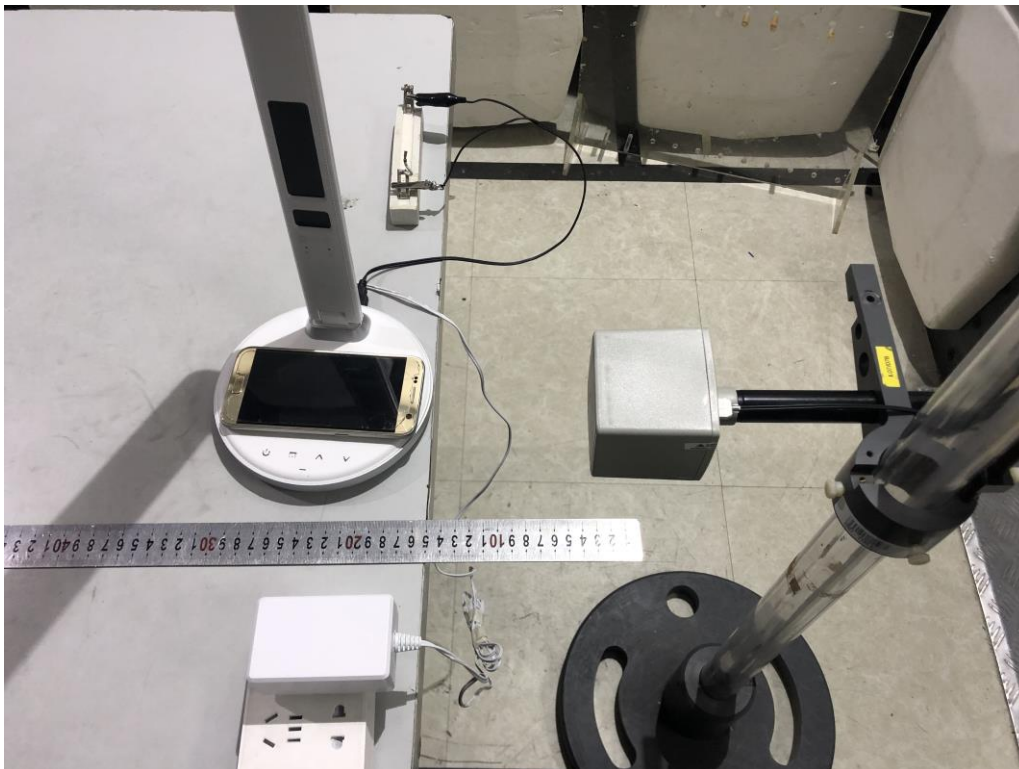
Front



Rear

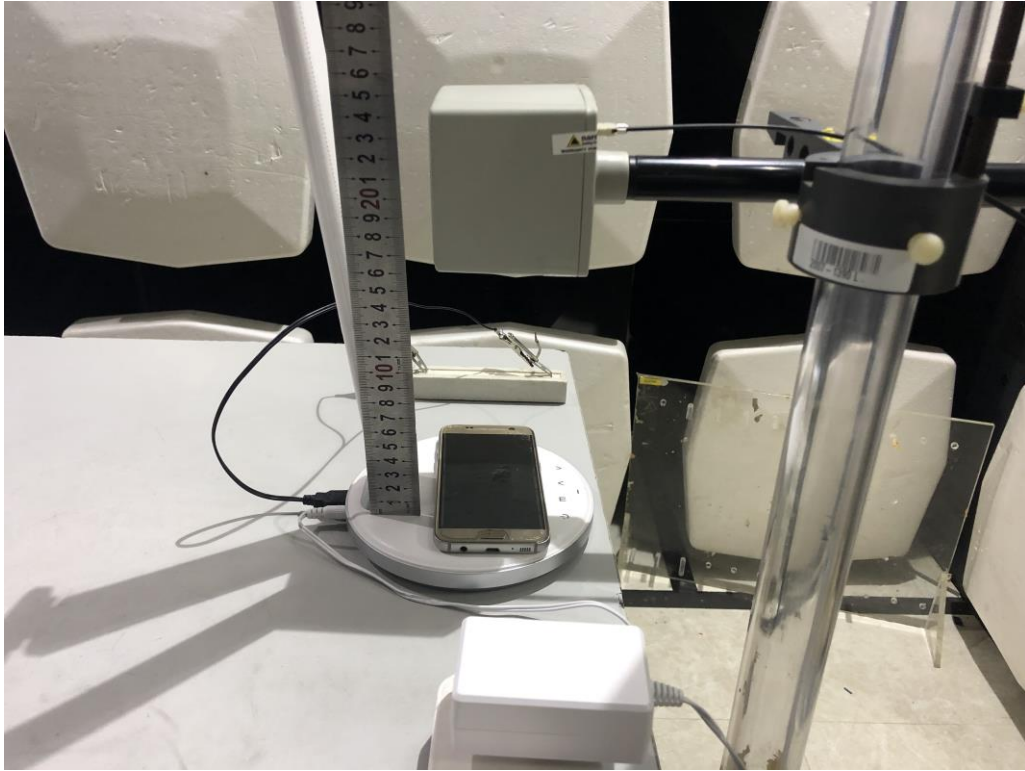


Left



Right





Top

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