

OttLite Technologies, Inc.

# TEST REPORT

**SCOPE OF WORK**

SAR Assessment– UVC-01

**REPORT NUMBER**

200806035SZN-002

**ISSUE DATE**

27 August 2020

**[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.  
1715 N Westshore Blvd STE 950 Tampa,  
FL 33607 United States

Sample Description

Product : UVC disinfecting phone case with wireless charging

Model No. : UVC-01

Brand Name : 

Electrical Rating : Input: DC 9V, 2.0A from adapter  
Wireless charging output: DC5V, 1A or DC 9V, 1.1A

Date Received : 06 August 2020

Date Test Conducted : 06 August 2020 to 25 August 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.

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**Prepared and Checked By:**

**Approved By:**

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Engineer

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Technical Supervisor  
Date: 27 August 2020

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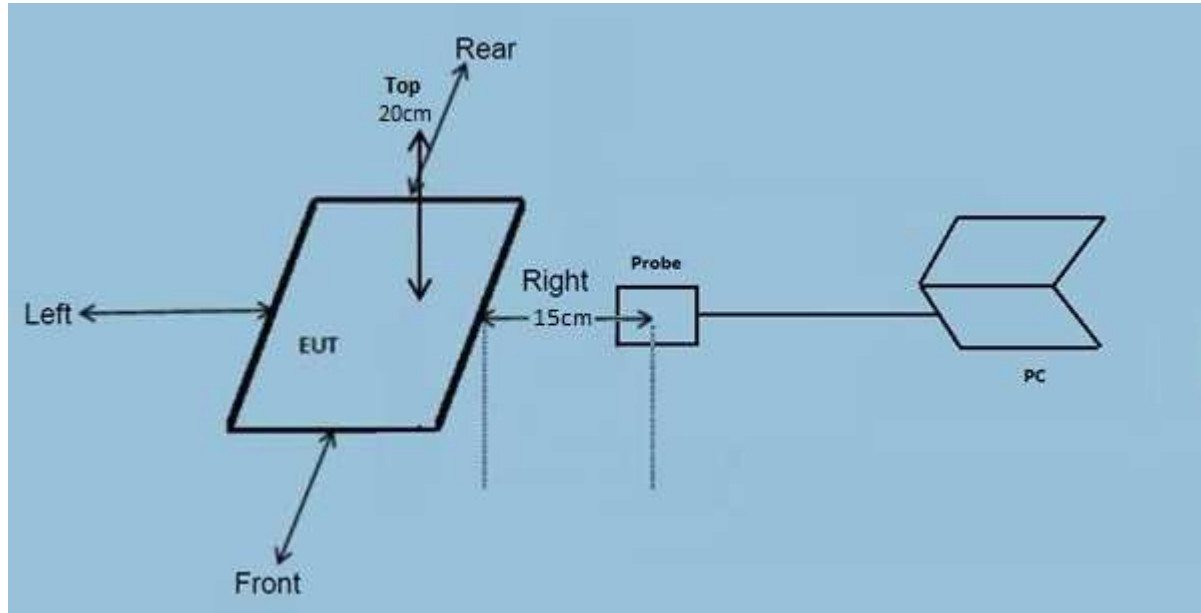
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## Test Report

### 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
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	0.0568	0.0614	0.0568	0.0614	0.0580	1.63
0.110-0.205	50% Battery Level	0.0568	0.0614	0.0568	0.0614	0.0568	1.63
0.110-0.205	99% Battery Level	0.0614	0.0568	0.0568	0.0614	0.0614	1.63
0.110-0.205	Stand-by	0.0568	0.0614	0.0568	0.0568	0.0568	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	0.5798	0.4851	0.4851	0.6078	0.6078	614
0.110-0.205	50% Battery Level	0.5765	0.4815	0.4813	0.6012	0.6048	614
0.110-0.205	99% Battery Level	0.5786	0.4815	0.4825	0.6085	0.6085	614
0.110-0.205	Stand-by	0.5752	0.4856	0.4831	0.6082	0.6089	614

## Configuration photo of the test:

H-Field & E-Field Strength test photos



Front



Rear

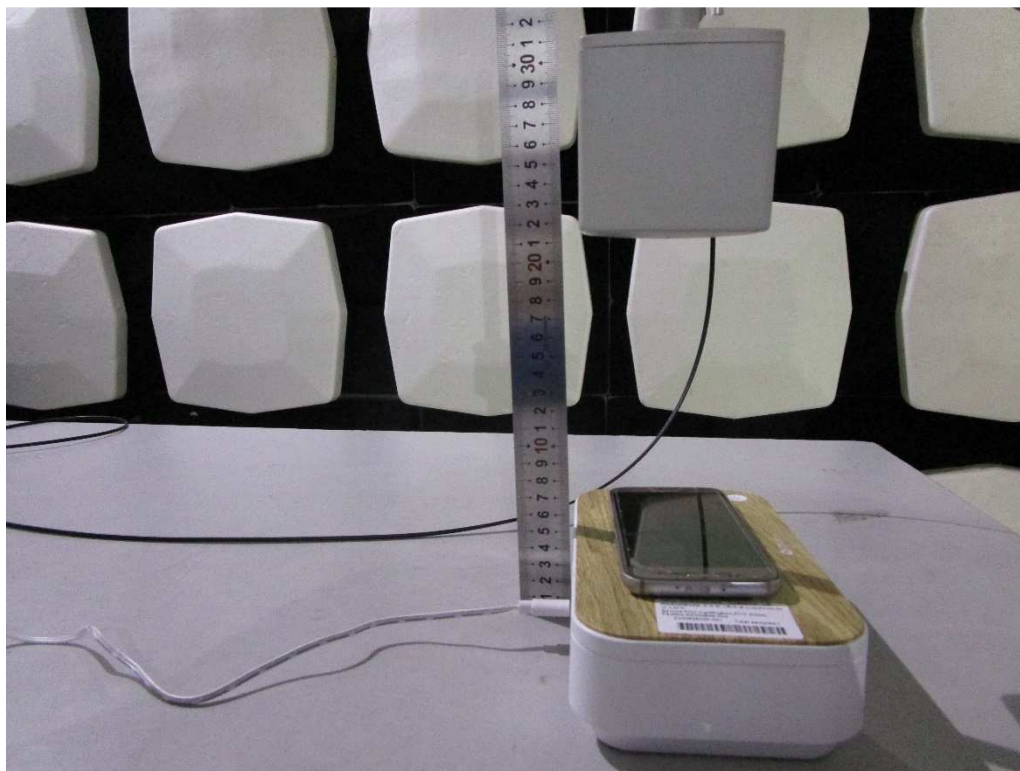




Left



Right



Top

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