

OttLite Technologies, Inc.

TEST REPORT

SCOPE OF WORK

SAR Assessment– A13

REPORT NUMBER

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28 April 2019

[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, Suite 950,
Tampa, FL 33607, USA

Sample Description

Product : Wireless Charger
Model No. : A13
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 : 11 April 2019
Date Test Conducted : 11 April 2019 to 25 April 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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Date: 28 April 2019

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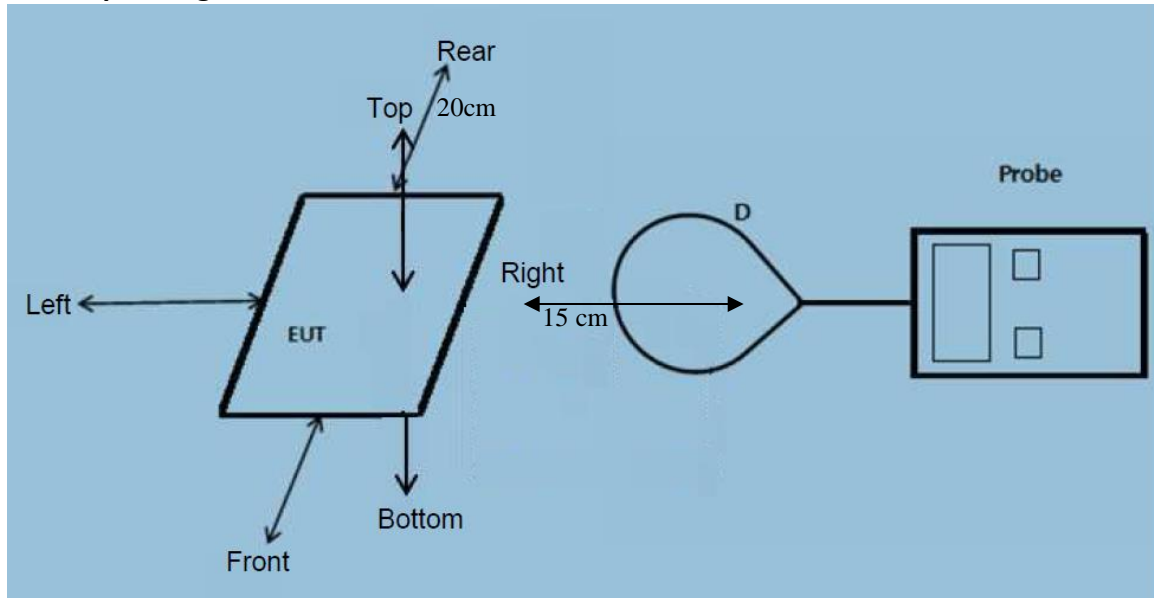
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Test Report

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
Exposure Level Tester	ELT-4002304/03	Narda	14-Mar-2019	14-Mar-2020
Field Probe	HI-6105	ETS	30-Aug-2018	30-Aug-2019
Laser Data Interface	HI-6113	ETS	26-Jun-2018	26-Jun-2019

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	0.054	0.058	0.051	0.055	0.047	1.63
0.110-0.205	50% Battery Level	0.058	0.054	0.052	0.057	0.043	1.63
0.110-0.205	90% Battery Level	0.054	0.056	0.058	0.058	0.046	1.63
0.110-0.205	Stand-by	0.049	0.044	0.045	0.045	0.044	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	0.471	0.464	0.455	0.472	0.418	614
0.110-0.205	50% Battery Level	0.424	0.441	0.418	0.409	0.411	614
0.110-0.205	90% Battery Level	0.411	0.427	0.431	0.442	0.408	614
0.110-0.205	Stand-by	0.408	0.451	0.421	0.468	0.412	614

Configuration photo of the test:

For electronic filing, H-Field Strength configuration photographs are saved with filename: H-Field Strength test photos.pdf.

For electronic filing, E-Field Strength configuration photographs are saved with filename: E-Field Strength test photos.pdf.

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