

OttLite Technologies, Inc.

TEST REPORT

SCOPE OF WORK

SAR Assessment– Q3QAFS

REPORT NUMBER

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[REVISED DATE]

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DOCUMENT CONTROL NUMBER

RF Exposure

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Test Report

Applicant : OttLite Technologies, Inc.
220 West 7th Avenue STE 100 Tampa,
FL 33602 United States

Sample Description

Product : LED table lamp

Model No. : Q3QAFS

Brand Name : OttLite

Electrical Rating : Input: AC100-240V, 50/60Hz, 1A;
Output: DC 12V, 2500mA for adapter
DC5V, 1A output by wireless charger

Date Received : 06 December 2019

Date Test Conducted : 06 December 2019 to 16 December 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.

***** End of Page *****

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Approved By:

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Date: 24 December 2019

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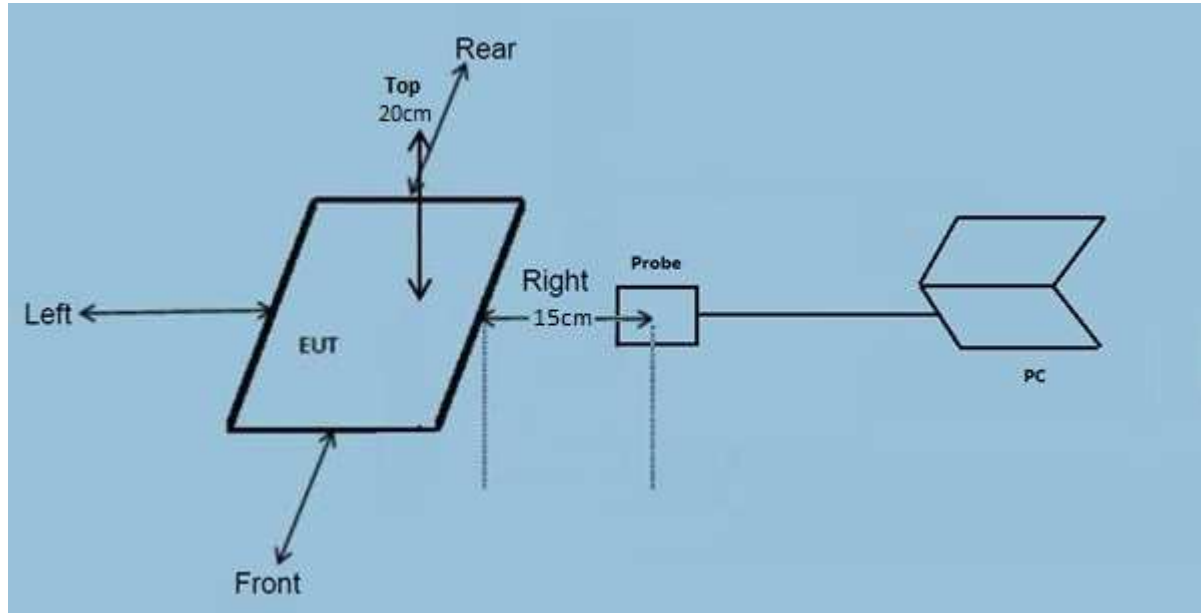
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Test Report

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
Electric and Magnetic Field Analyzer	EHP-50F	Narda	27-Jun-2019	27-Jun-2020

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

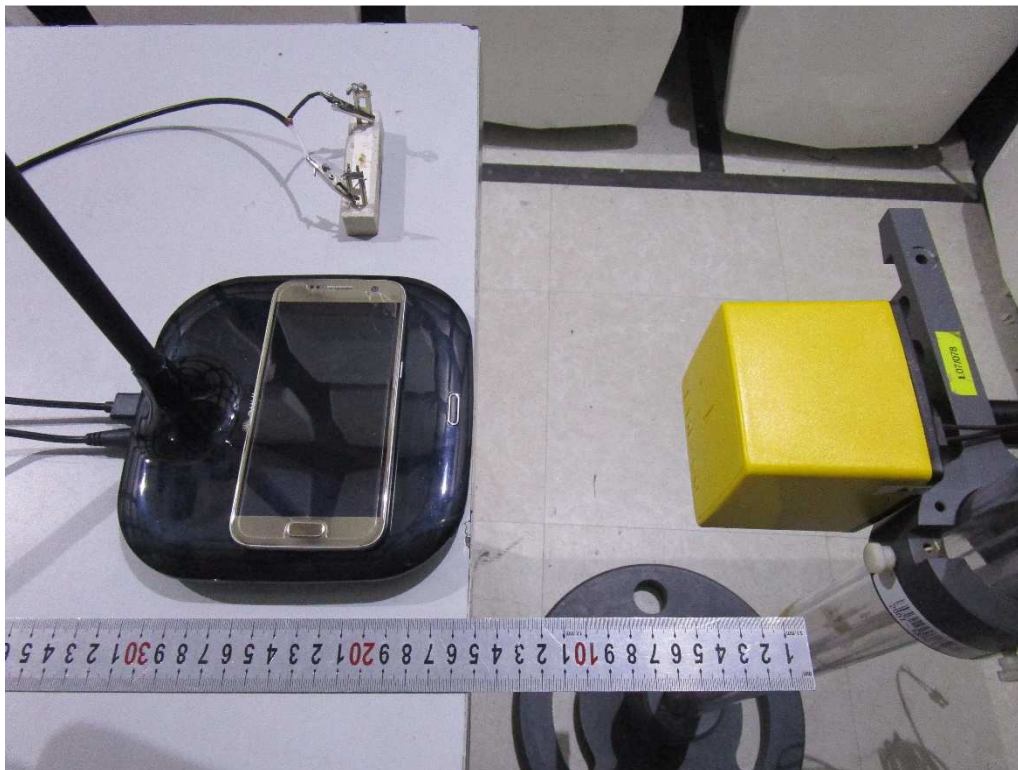
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (A/m)	Probe Position Rear (A/m)	Probe Position Left (A/m)	Probe Position Right (A/m)	Probe Position Top (A/m)	Limits (A/m)
0.110-0.205	1% Battery Level	0.0144	0.0238	0.0622	0.0249	0.0482	1.63
0.110-0.205	50% Battery Level	0.0142	0.0236	0.0601	0.0241	0.0479	1.63
0.110-0.205	99% Battery Level	0.0141	0.0235	0.0615	0.0238	0.0475	1.63
0.110-0.205	Stand-by	0.0024	0.0023	0.0023	0.0024	0.0024	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	0.3032	0.2659	0.4488	0.3780	0.6182	614
0.110-0.205	50% Battery Level	0.3024	0.2653	0.4475	0.3779	0.6180	614
0.110-0.205	99% Battery Level	0.3027	0.2642	0.4481	0.3771	0.6175	614
0.110-0.205	Stand-by	0.0532	0.0538	0.0525	0.0562	0.0592	614

Configuration photo of the test:

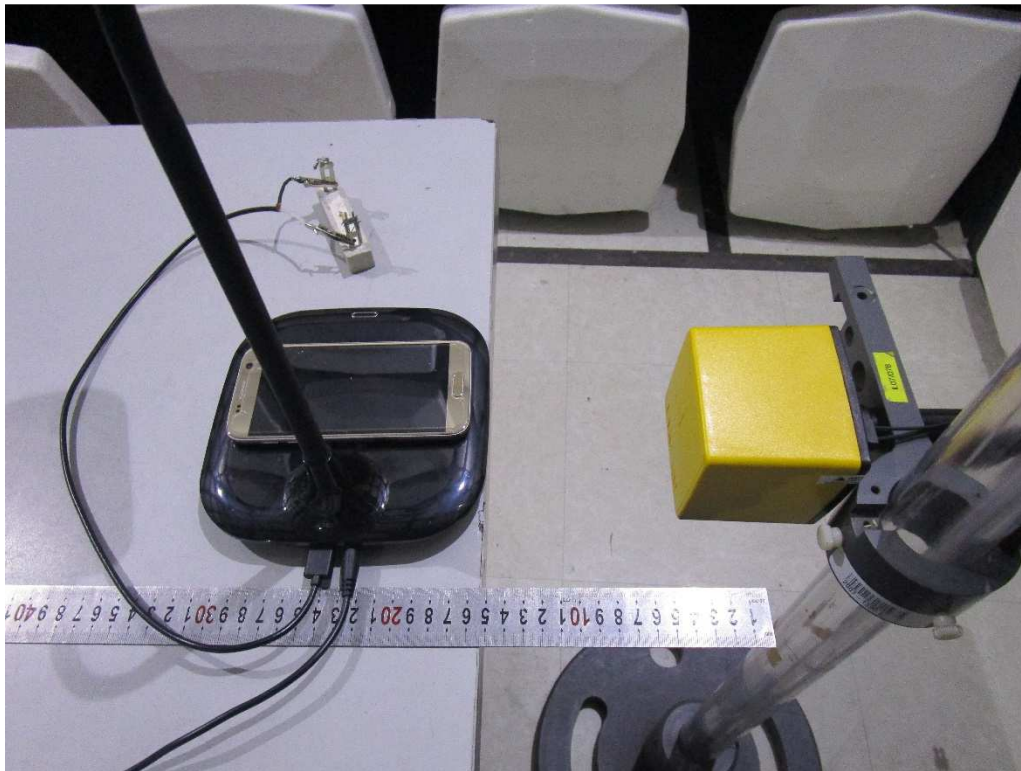
H-Field & E-Field Strength test photos



Front



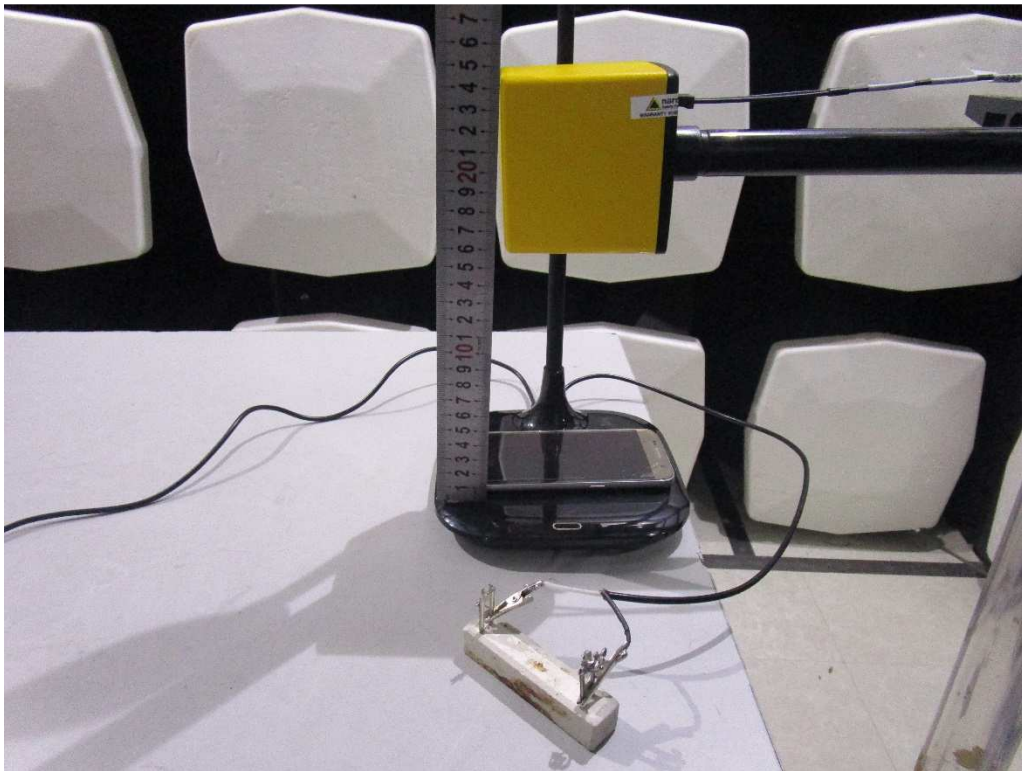
Rear



Left



Right



Top

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