

OttLite Technologies Inc.

TEST REPORT

SCOPE OF WORK

SAR Assessment– K8SC

REPORT NUMBER

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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. : K8SC

Brand Name : 

Electrical Rating : Input: DC 12V, 2.5A from adapter
Wireless charging output: DC5V, 1A
USB port output: DC5V, 2.1A

Date Received : 28 April 2021

Date Test Conducted : 28 April 2021 to 21 May 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.

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Prepared and Checked By:

Approved By:

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Engineer

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Senior Technical Supervisor
Date: 24 May 2021

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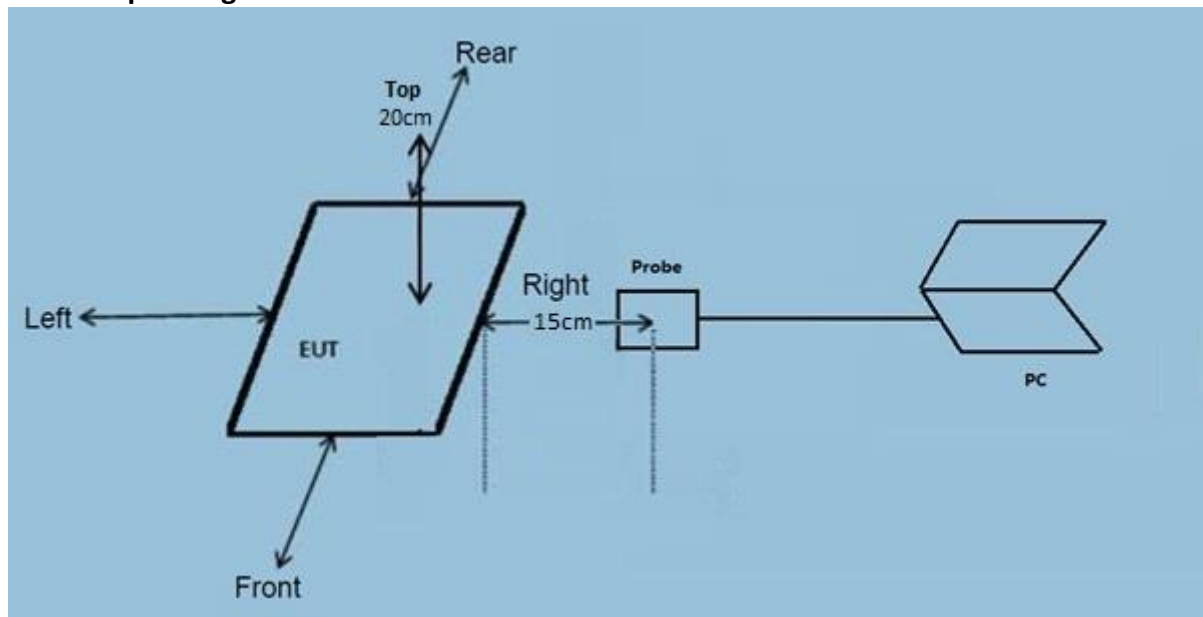
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Test Report

Test Setup Configuration



Note

- The RF exposure test is performed in the shield room.
- The test distance is 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 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

Model: K8SC

Test Result:

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

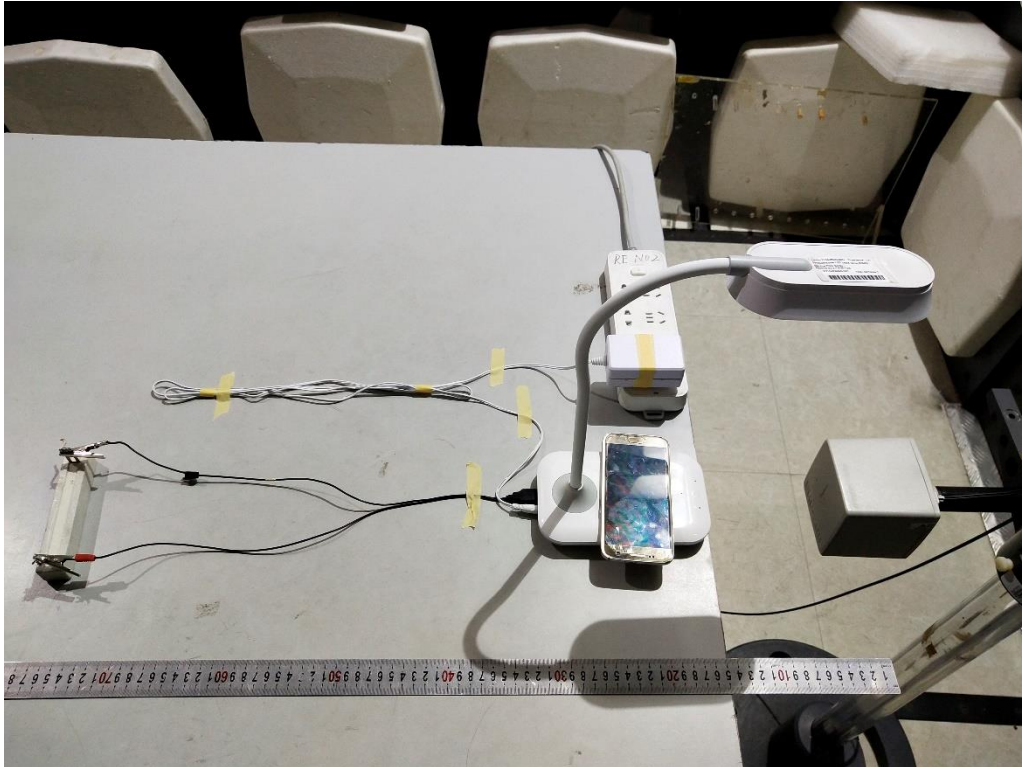
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (A/m)	Probe Position Rear (A/m)	Probe Position Left (A/m)	Probe Position Right (A/m)	Probe Position Top (A/m)	Limits (A/m)
0.111-0.205	1% Battery Level	0.1242	0.1980	0.0802	0.2293	0.6321	1.63
0.111-0.205	50% Battery Level	0.1225	0.1962	0.0789	0.2278	0.6310	1.63
0.111-0.205	99% Battery Level	0.1233	0.1974	0.0795	0.2285	0.6318	1.63
0.111-0.205	Stand-by	0.1228	0.1968	0.0791	0.2280	0.6312	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	0.6053	0.5020	0.6607	0.3936	3.3614	614
0.111-0.205	50% Battery Level	0.6032	0.5002	0.6589	0.3918	3.3602	614
0.111-0.205	99% Battery Level	0.6048	0.5016	0.6597	0.3925	3.3610	614
0.111-0.205	Stand-by	0.6038	0.5010	0.6600	0.3920	3.3608	614

Configuration photo of the test:

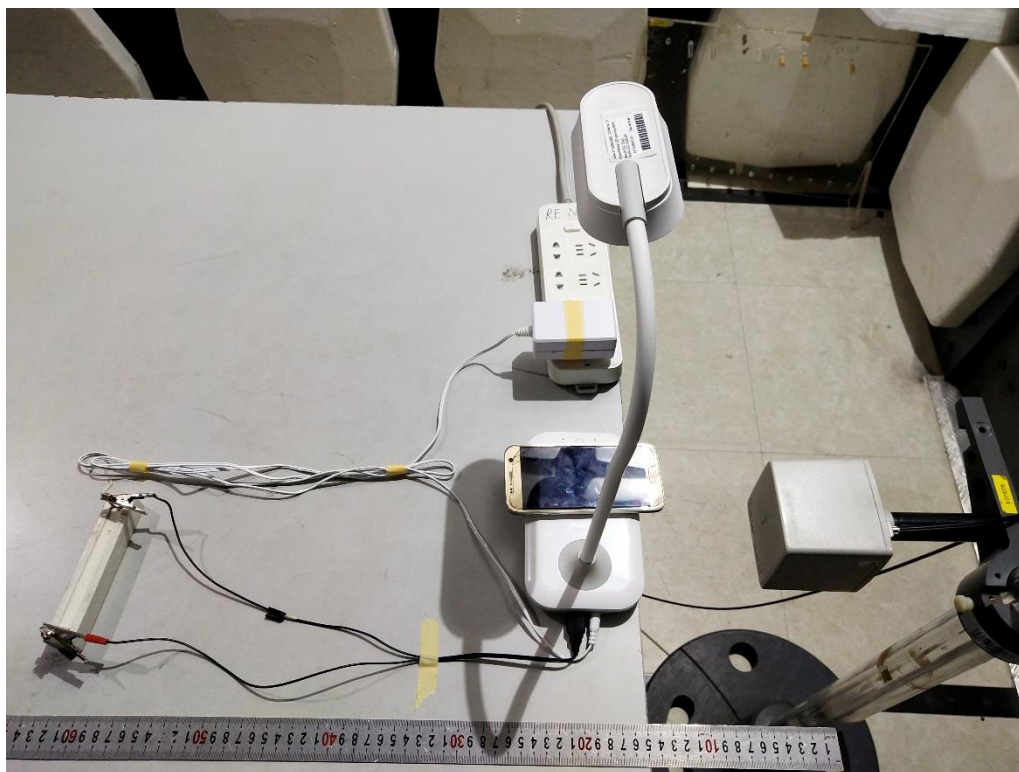
H-Field & E-Field Strength test photos



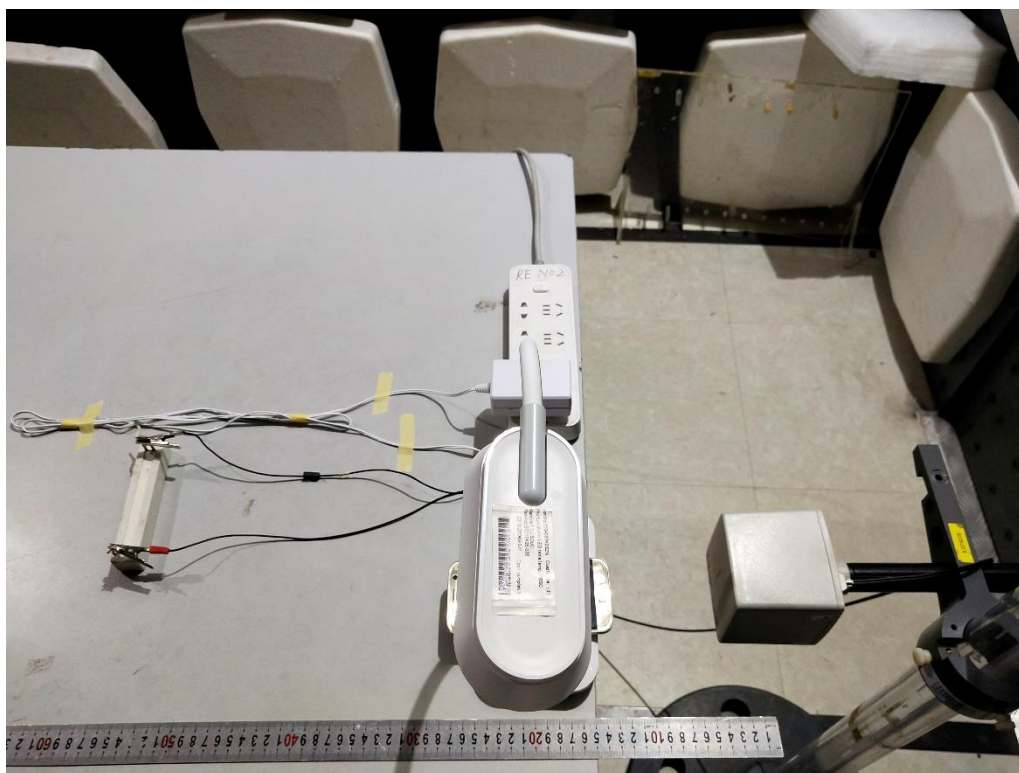
Front



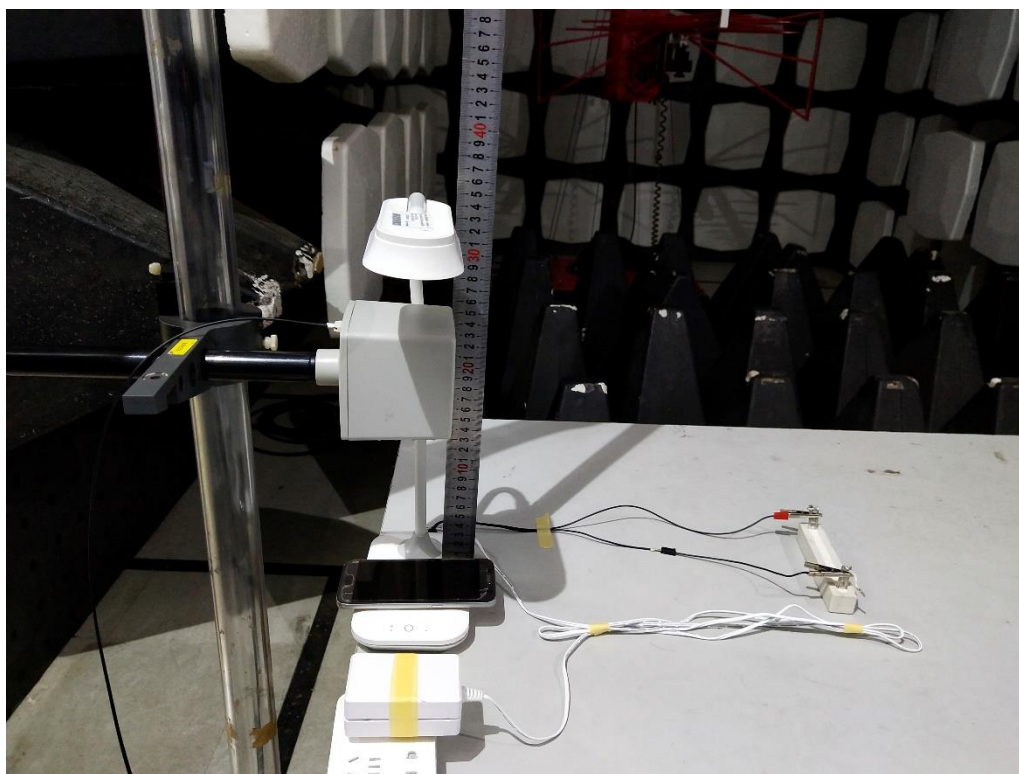
Rear



Left



Right



Top

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