

MerchSource, LLC

TEST REPORT

SCOPE OF WORK

SAR ASSESSMENT-1008899

REPORT NUMBER

190314009SZN-002

ISSUE DATE

27 MARCH 2019

[REVISED DATE]

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PAGES

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DOCUMENT CONTROL NUMBER

RF Exposure

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Test Report

Applicant: MerchSource, LLC

Number: 190314009SZN-002

Date: 27 March 2019

Sample Description

Product : Wireless Charging Pad 5 Watt
Model No. : 1008899

Brand Name : Sharper Image
Electrical Rating : Input: DC 5V/2A; Output: DC 5V/1A

Date Received : 14 March 2019

Date Test Conducted : 14 March 2019 to 21 March 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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Prepared and Checked By:**Approved By:**

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Technical Supervisor
Date: 27 March 2019

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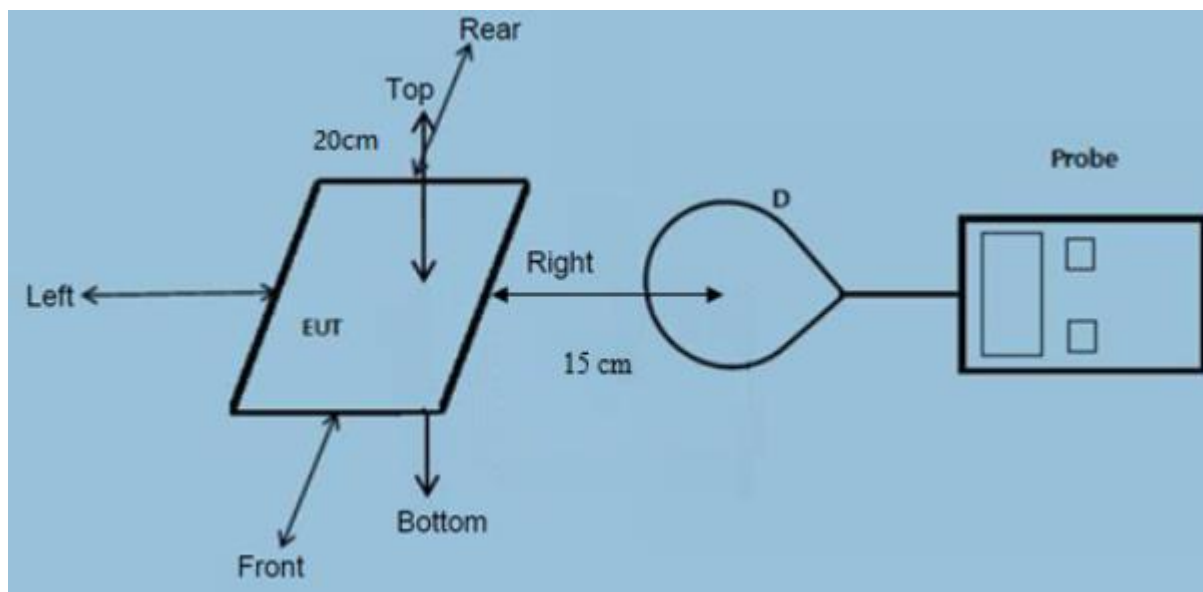
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Test Report

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	21-Mar-2018	21-Mar-2019
Field Probe	HI-6105	ETS	26-Jun-2018	26-Jun-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	1% battery level	0.070	0.074	0.077	0.072	0.083	1.63
0.110-0.205	50% battery level	0.075	0.079	0.082	0.077	0.089	1.63
0.110-0.205	99% battery level	0.065	0.069	0.071	0.068	0.078	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	0.105	0.113	0.118	0.109	0.125	614
0.110-0.205	50% battery level	0.113	0.121	0.127	0.117	0.132	614
0.110-0.205	99% battery level	0.093	0.099	0.102	0.096	0.115	614

TEST REPORT

Configuration photo of the test:

For electronic filing, the RF exposure configuration photographs are saved with filename: RF exposure photos.pdf.

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