

MerchSource LLC

# TEST REPORT

**SCOPE OF WORK**

SAR Assessment– 1012605

**REPORT NUMBER**

200318049SZN-002

**ISSUE DATE**

10 April 2020

**[REVISED DATE]**

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**PAGES**

4

**DOCUMENT CONTROL NUMBER**

RF Exposure

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## Test Report

Applicant : MerchSource LLC  
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### Sample Description

Product : Charging Stand Wireless 10Watt EPP  
Model No. : 1012605  
Brand Name : Sharper Image  
Electrical Rating : Input Power: 5V/2A, 9V/1.7A, 12V/1.5A  
Output Power: 10W charging(Max)

Date Received : 18 March 2020  
Date Test Conducted : 18 March 2020 to 09 April 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.

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

**Prepared and Checked By:**

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Date: 10 April 2020

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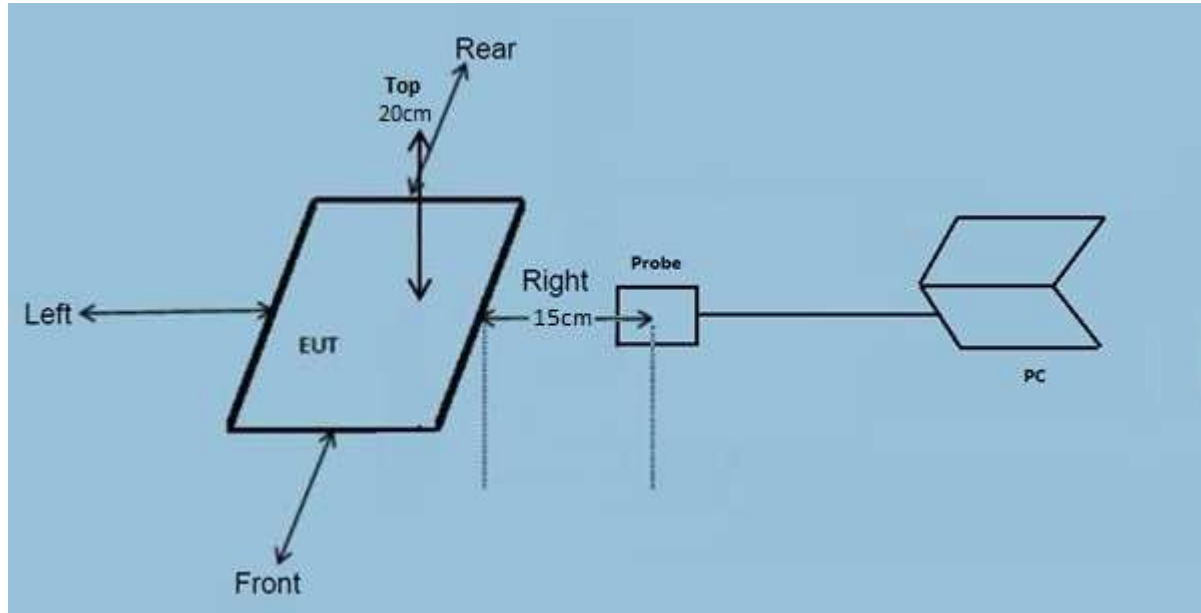
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## Test Report

### 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
Exposure Level Tester	EHP-50F	Narda	20-Apr-2019	20-Apr-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 <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)
0.1277	1% Battery Level	0.0421	0.0425	0.0435	0.0427	0.0432	1.63
0.1277	50% Battery Level	0.0416	0.0419	0.0434	0.0419	0.0519	1.63
0.1277	99% Battery Level	0.0437	0.0431	0.0440	0.0492	0.1181	1.63
0.1277	Stand-by	0.0027	0.0031	0.034	0.033	0.032	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)
0.1277	1% Battery Level	0.3392	0.3378	0.3363	0.3451	0.3380	614
0.1277	50% Battery Level	0.3416	2.5144	0.8777	0.4969	0.8338	614
0.1277	99% Battery Level	0.4169	2.7316	1.3716	2.6777	2.5898	614
0.1277	Stand-by	0.0392	0.0324	0.0573	0.0327	0.0306	614

**Configuration photo of the test:**

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

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