

MerchSource LLC

TEST REPORT

SCOPE OF WORK

SAR Assessment– 1012605

REPORT NUMBER

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ISSUE 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.

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Date: 10 April 2020

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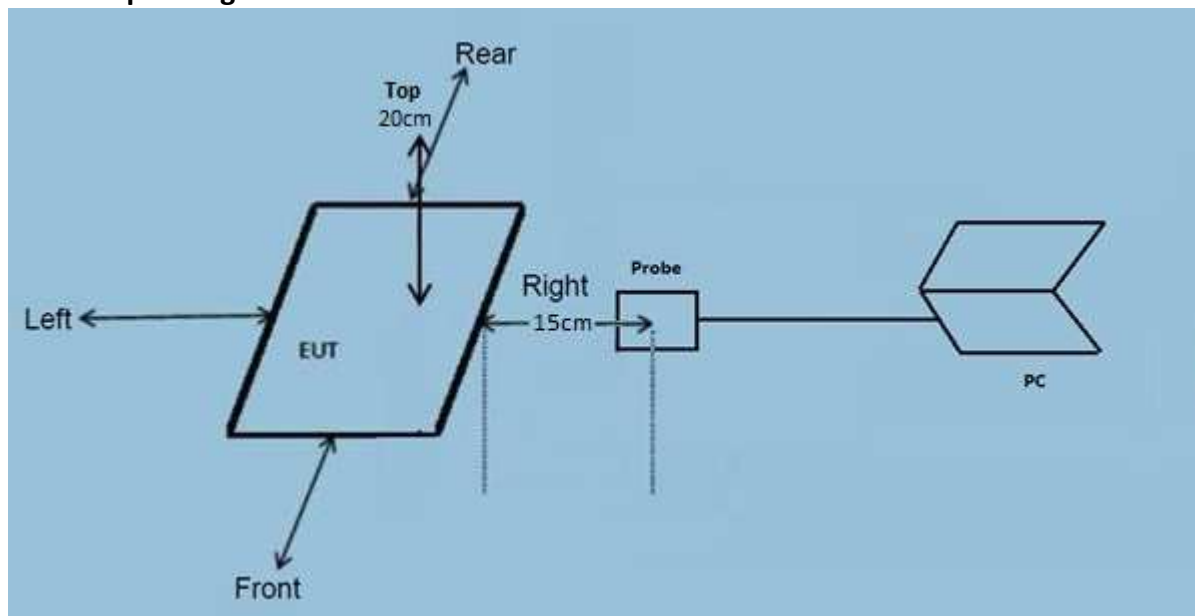
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Test Report

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 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)
0.1277	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*****