

Merchsource, LLC

TEST REPORT

SCOPE OF WORK

SAR Assessment– 1014038 1014039, 1014040, 1014041, 1014042, 1014043

REPORT NUMBER

201124058SZN-002

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RF Exposure

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Test Report

Applicant : Merchsource, LLC
7755 Irvine Center Drive, Suite 100, Irvine, CA 92618

Sample Description

Product : Charging Pad Wireless 5Watt and 6ft Cord PDQ
Model No. : 1014038,
1014039, 1014040, 1014041, 1014042, 1014043

Brand Name : Sharper Image
Electrical Rating : Input: DC 5V, 2A from adaptor
Wireless charging output: DC5V, 1A

Date Received : November 26, 2020
Date Test Conducted : November 26, 2020 to 04 December 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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Prepared and Checked By:

Approved By:

Steven Zhou
Engineer

Kidd Yang
Technical Supervisor
Date: 04 December 2020

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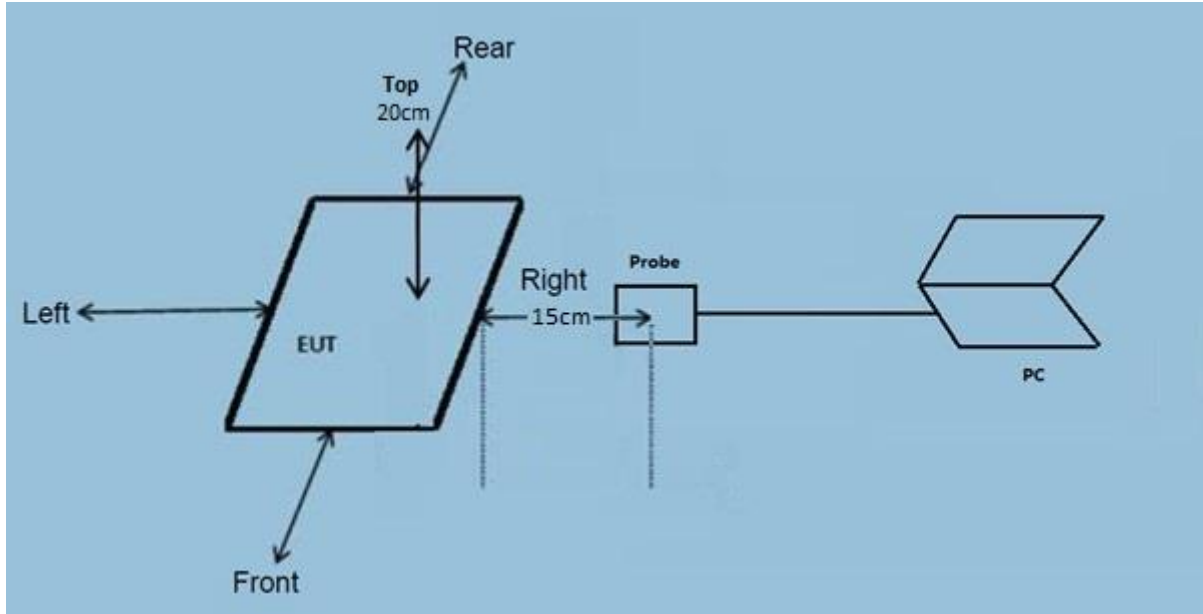
101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community, GuanHu Subdistrict, LongHua District, ShenZhen.

Tel: (86 755) 8601 6288

Fax: (86 755) 8601 6751

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

Equipment No.	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
SZ186-04	Electric and Magnetic Field Analyzer	Narda	EHP-50F	510WY90119	2020-07-28	2021-07-28

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	0.0642	0.0652	0.0652	0.0569	0.0569	1.63
0.110-0.205	50% Battery Level	0.0614	0.0590	0.0635	0.0525	0.0515	1.63
0.110-0.205	99% Battery Level	0.0635	0.0634	0.0655	0.0559	0.0542	1.63
0.110-0.205	Stand-by	0.0605	0.0641	0.0639	0.0530	0.0553	1.63

E-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

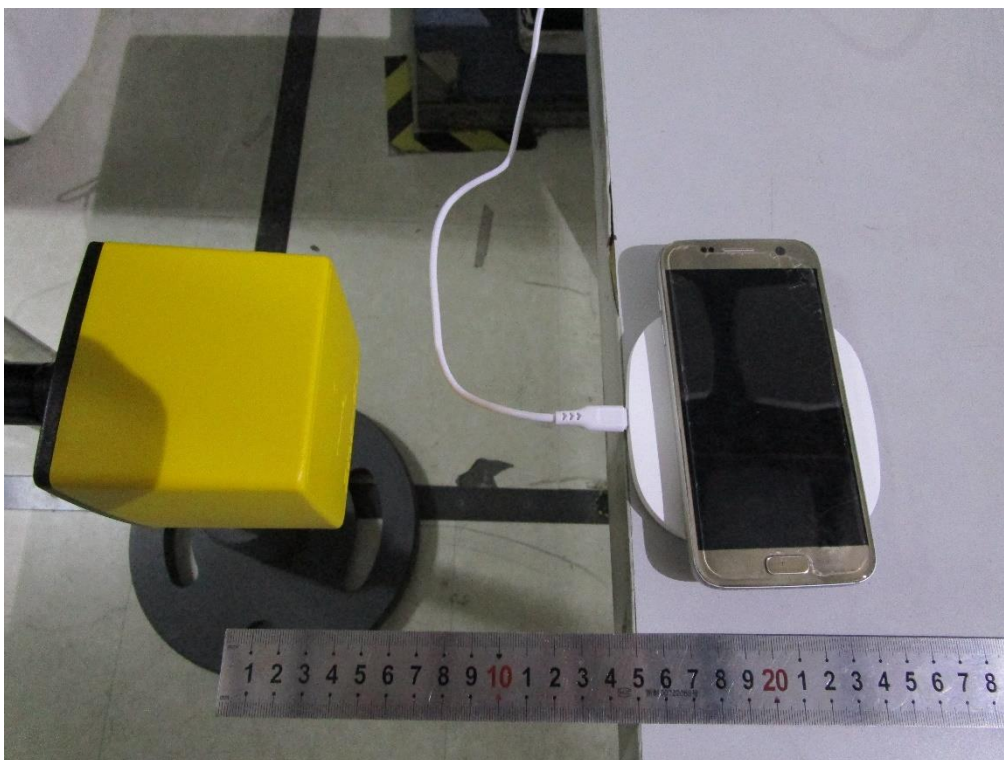
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (V/m)	Probe Position Rear (V/m)	Probe Position Left (V/m)	Probe Position Right (V/m)	Probe Position Top (V/m)	Limits (V/m)
0.110-0.205	1% Battery Level	0.4059	0.4242	0.4059	0.4242	0.4242	614
0.110-0.205	50% Battery Level	0.4102	0.4128	0.4139	0.4243	0.4291	614
0.110-0.205	99% Battery Level	0.4019	0.4203	0.4092	0.4139	0.4391	614
0.110-0.205	Stand-by	0.4084	0.4228	0.4083	0.4203	0.4201	614

Configuration photo of the test:

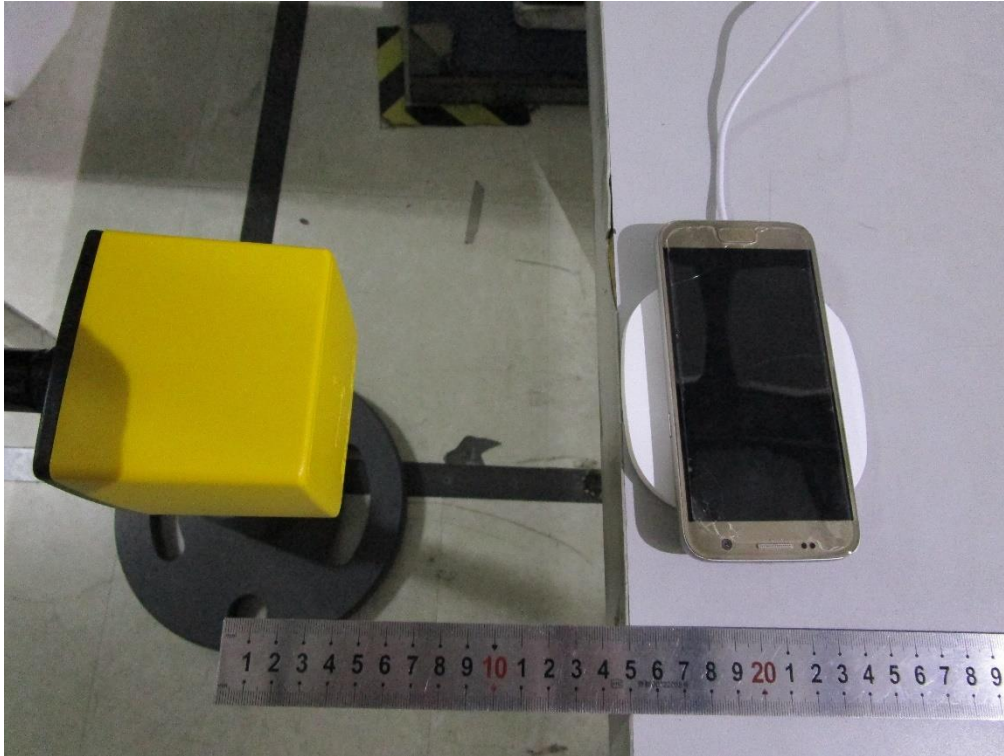
H-Field & E-Field Strength test photos



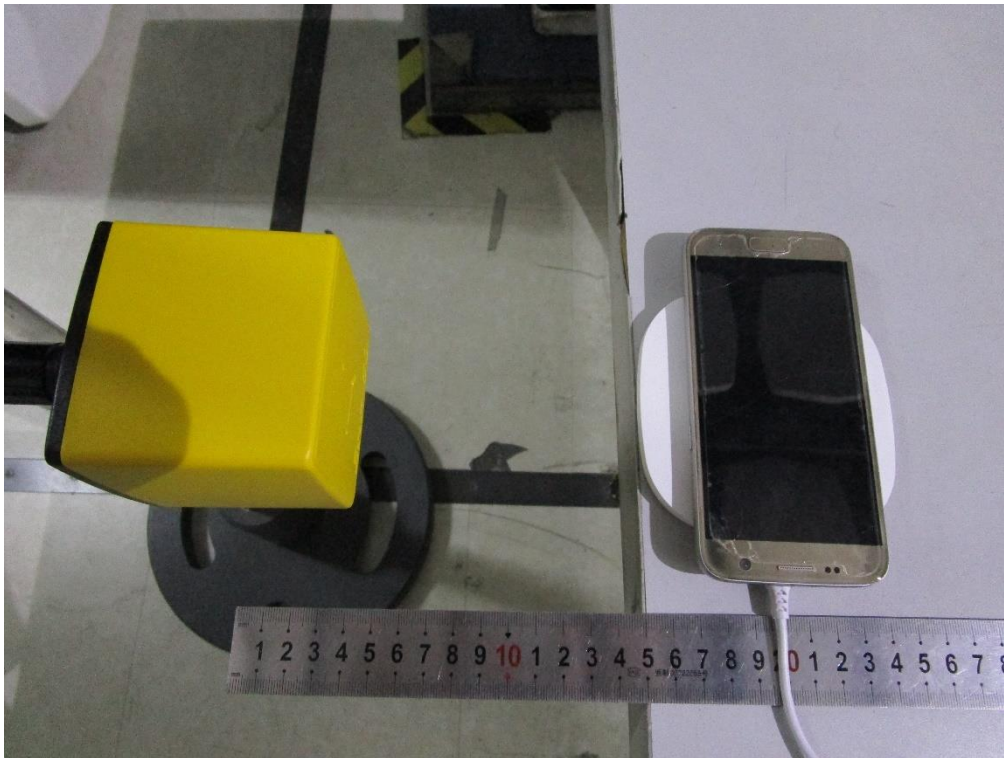
Front



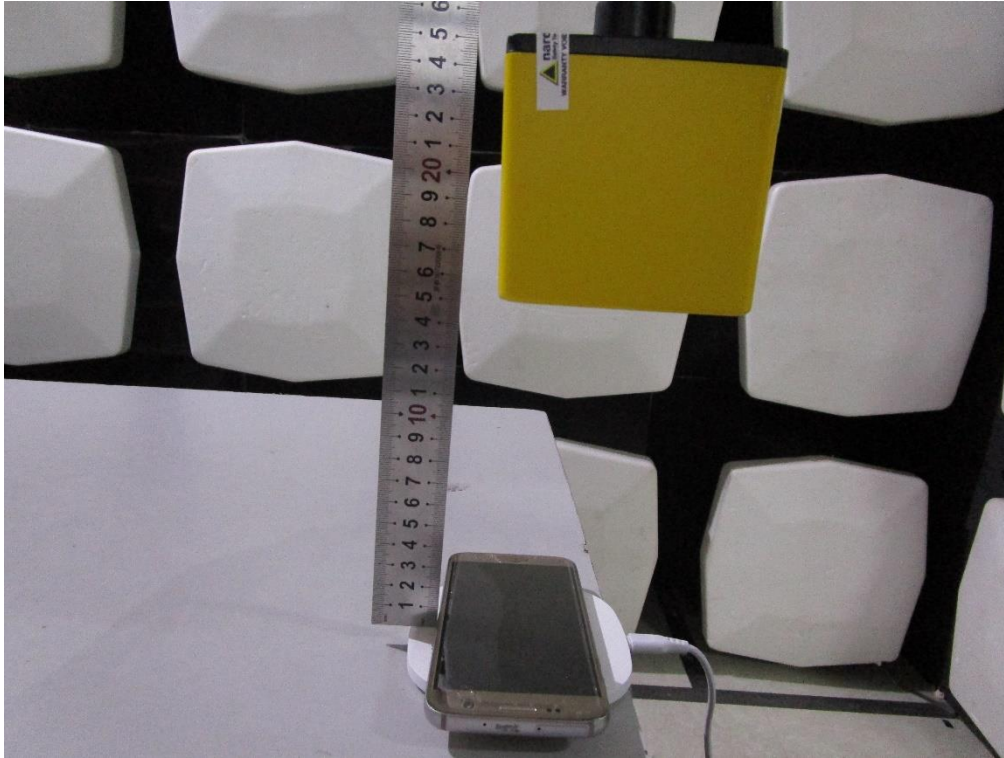
Rear



Left



Right



Top

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