Merchsource, LLC

TEST REPORT

SCOPE OF WORK
SAR Assessment– 1012708

REPORT NUMBER
210126041SZN-002

ISSUE DATE **[REVISED DATE]**
02 June 2021 [----------]

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DOCUMENT CONTROL NUMBER
RF Exposure

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TEST REPORT **Intertek No.: 210126041SZN-002**

Test Report

Applicant	:	Merchsource, LLC 7755 Irvine Center Drive, Suite 100, Irvine, CA 92618
Sample Description		
Product	:	Bedside Caddy with Qi Charging
Model No.	:	1012708
Brand Name	:	SHARPER IMAGE
Electrical Rating	:	Input: DC 12V 1.5Avia USB port Wireless charging output: 10W max
Date Received	:	26 January 2021
Date Test Conducted	:	26 January 2021 to 23 February 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:

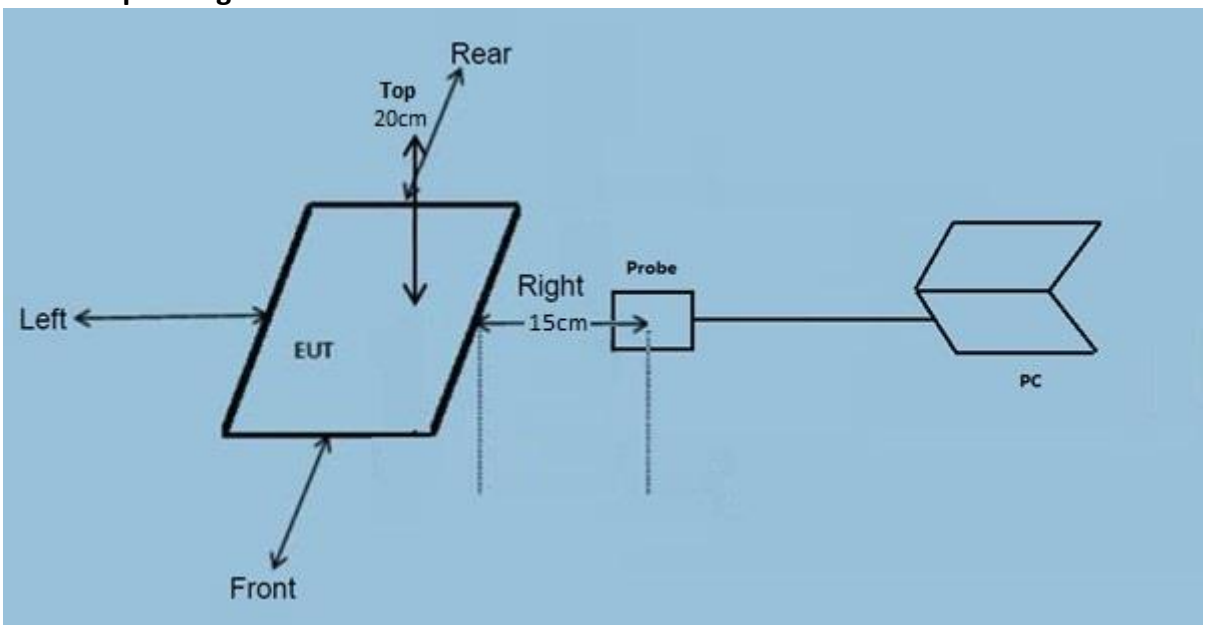
Ryan
Engineer

Approved By:

Peter Kang
Sr. Technical Supervisor
Date: 02 June 2021

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

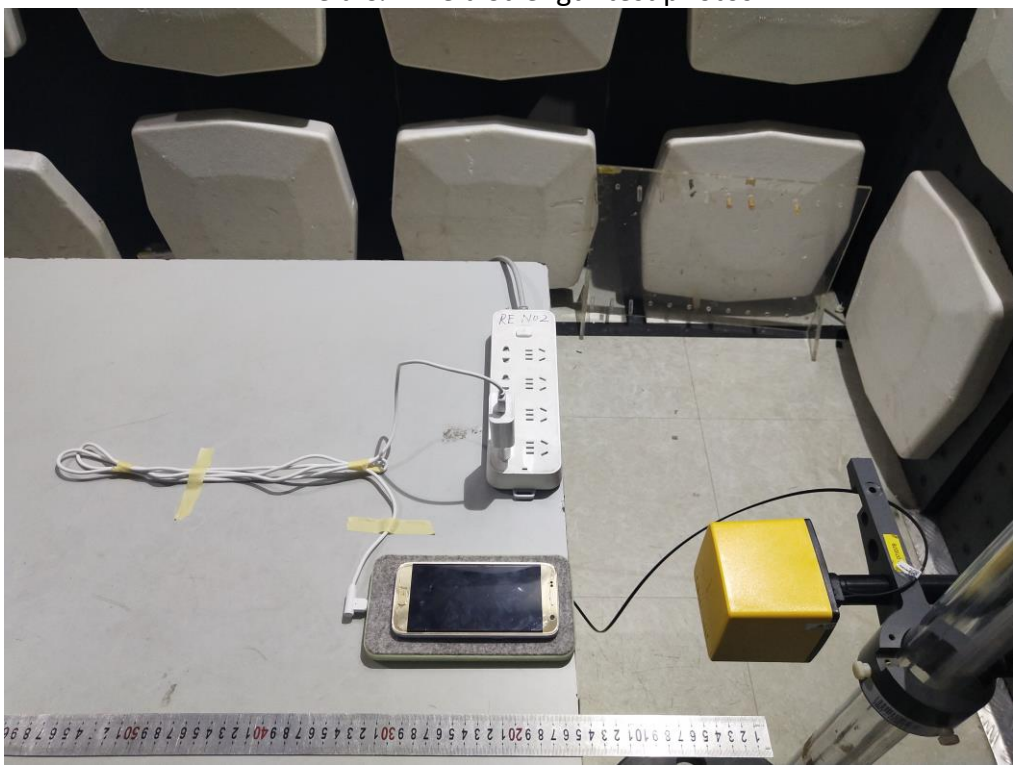
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (A/m)	Probe Position Rear (A/m)	Probe Position Left (A/m)	Probe Position Right (A/m)	Probe Position Top (A/m)	Limits (A/m)
0.110-0.205	1% Battery Level	0.1632	0.1661	0.1648	0.1318	0.1687	1.63
0.110-0.205	50% Battery Level	0.1600	0.1612	0.1608	0.1312	0.1608	1.63
0.110-0.205	99% Battery Level	0.1598	0.1611	0.1610	0.1323	0.1629	1.63
0.110-0.205	Stand-by	0.1603	0.1608	0.1599	0.1312	0.1614	1.63

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

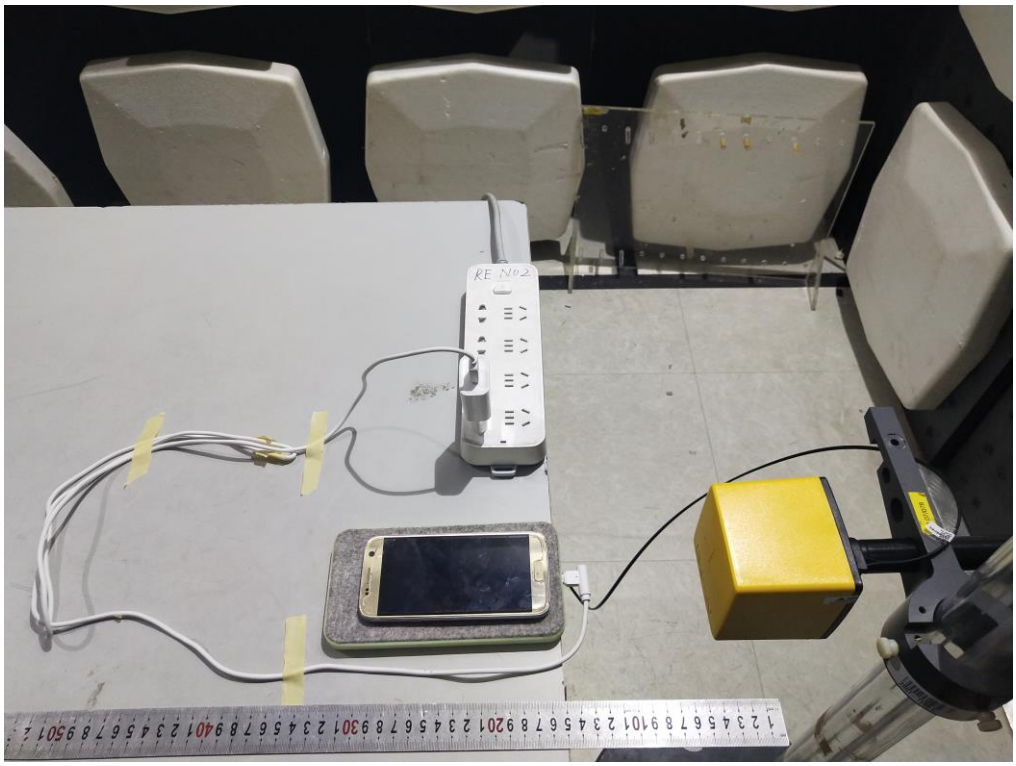
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (V/m)	Probe Position Rear (V/m)	Probe Position Left (V/m)	Probe Position Right (V/m)	Probe Position Top (V/m)	Limits (V/m)
0.110-0.205	1% Battery Level	1.2419	1.1210	1.2176	1.1256	1.2251	614
0.110-0.205	50% Battery Level	1.2311	1.2121	1.2139	1.1207	1.2221	614
0.110-0.205	99% Battery Level	1.2342	1.2078	1.2007	1.1154	1.2197	614
0.110-0.205	Stand-by	1.2316	1.2104	1.2013	1.1213	1.2336	614

Configuration photo of the test:

H-Field & E-Field Strength test photos



Front



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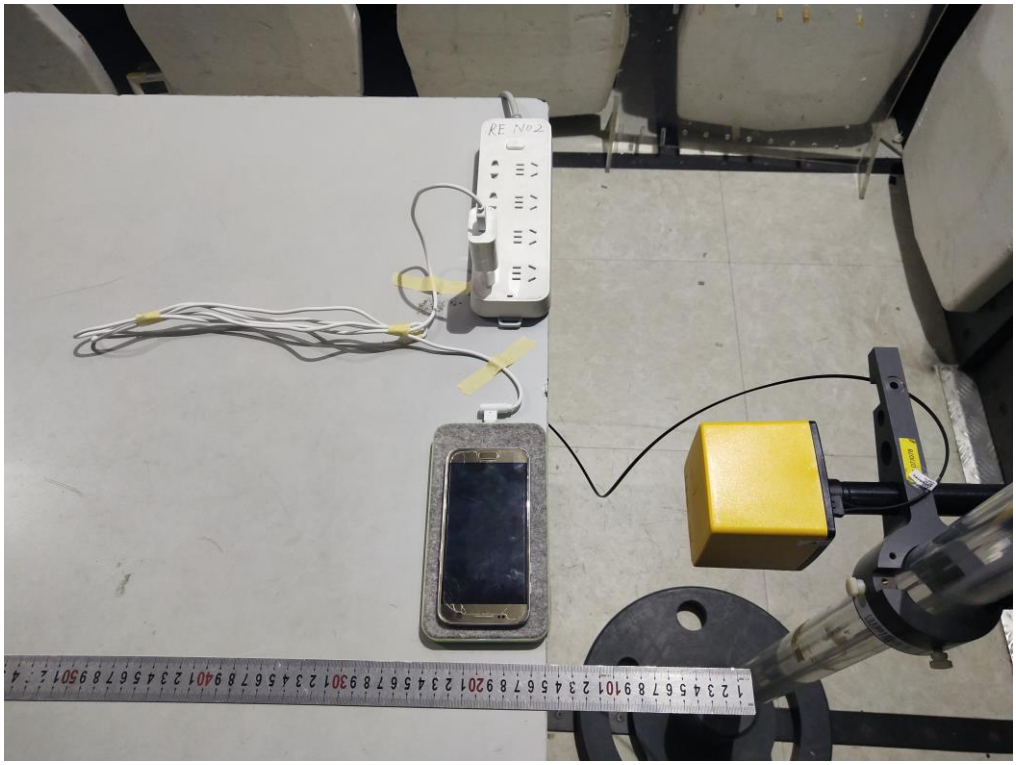

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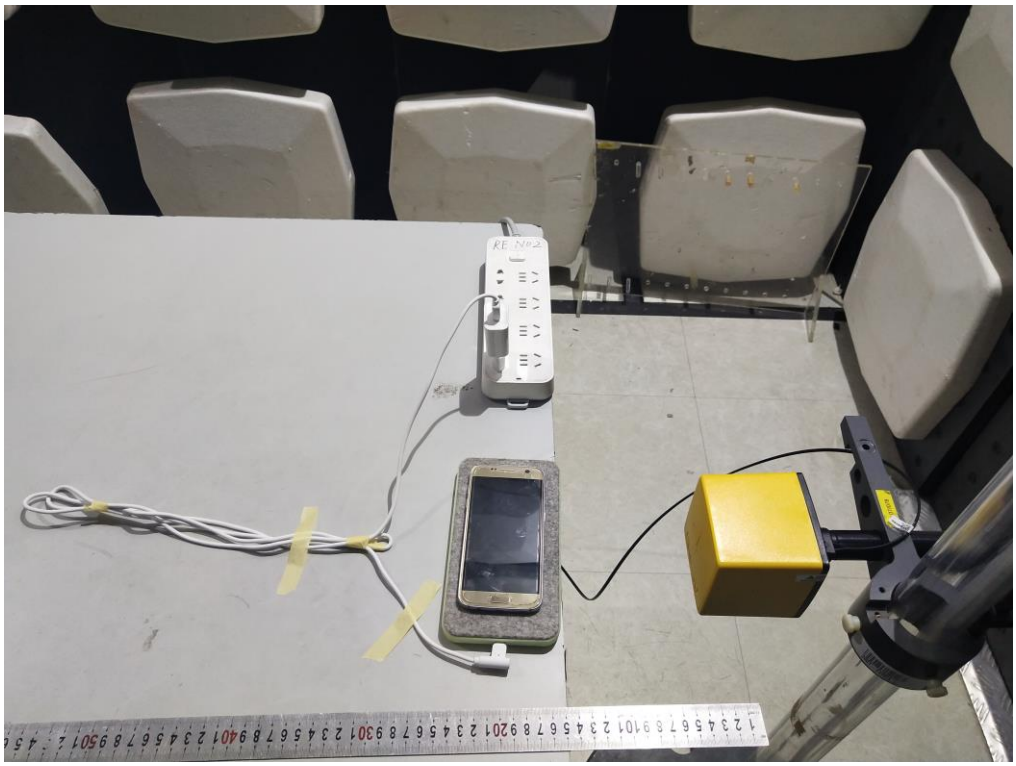

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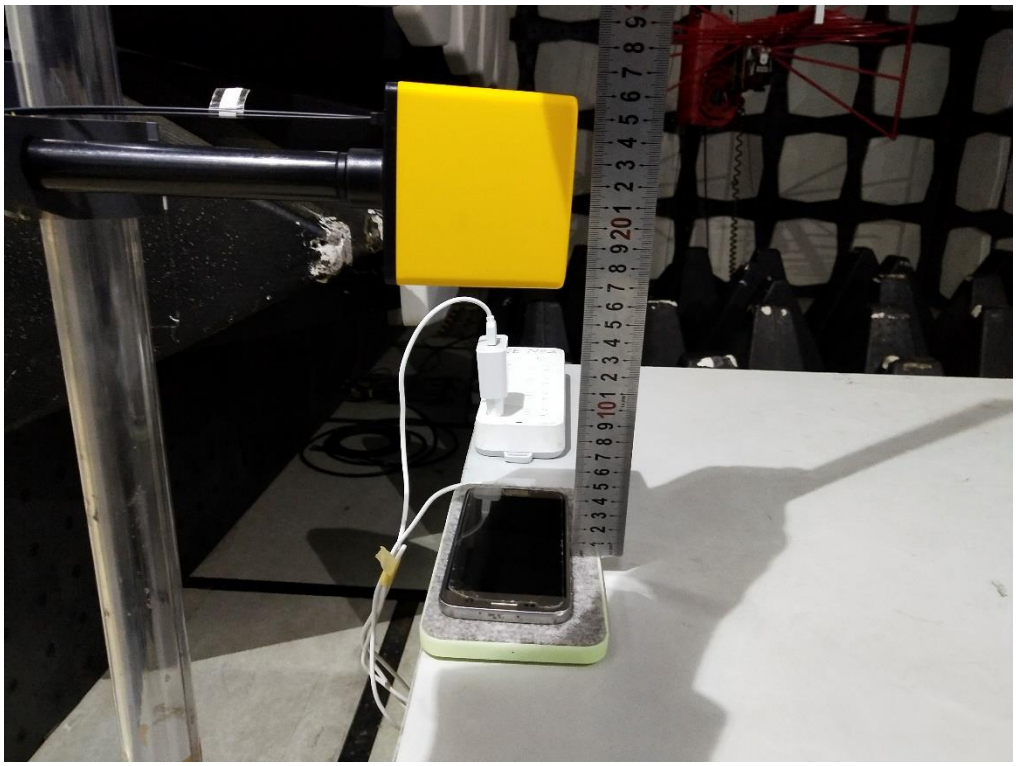

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