ASAP Technology(Jiangxi) Co., Ltd.

TEST REPORT

SCOPE OF WORK
SAR ASSESSMENT–5WCH001

REPORT NUMBER
180614025SZN-002

ISSUE DATE	**[REVISED DATE]**
26 JUNE 2018	[----------]

PAGES
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DOCUMENT CONTROL NUMBER
RF Exposure

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TEST REPORT

Test Report

Applicant: ASAP Technology(Jiangxi) Co., Ltd. Number: 180614025SZN-002

Ji'an Industrial Park, Ji'an, Jiangxi, China. Date: 26 June 2018

Sample Description

Product	:	Wireless Charger
Model No.	:	5WCH001
Brand Name	:	NA
Electrical Rating	:	Input: DC5V, 2A; Output: 5W
Date Received	:	14 June 2018
Date Test Conducted	:	14 June 2018 to 22 June 2018
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:

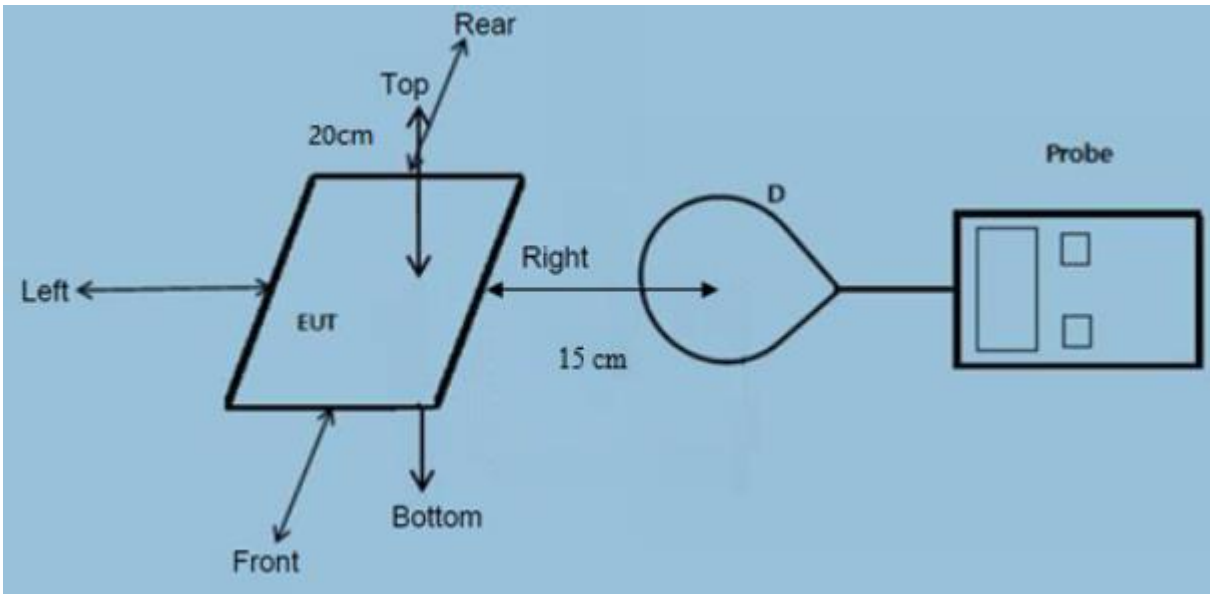
Surel Guo
Engineer

Approved By:

Kidd Yang
Technical Supervisor
Date: 26 June 2018

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.
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Test Equipment List

Name of instrument	Model	Manufacturer	Cal. Date	Due Date
Exposure Level Tester	ELT-4002304/03	Narda	21-Mar-18	21-Mar-19
Field Probe	HI-6105	ETS	21-Mar-18	21-Mar-19
Laser Data Interface	HI-6113	ETS	21-Mar-18	21-Mar-19

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	0.056	0.058	0.053	0.058	0.050	1.63
0.110-0.205	50% battery level	0.054	0.056	0.052	0.053	0.049	1.63
0.110-0.205	99% battery level	0.050	0.056	0.054	0.051	0.048	1.63

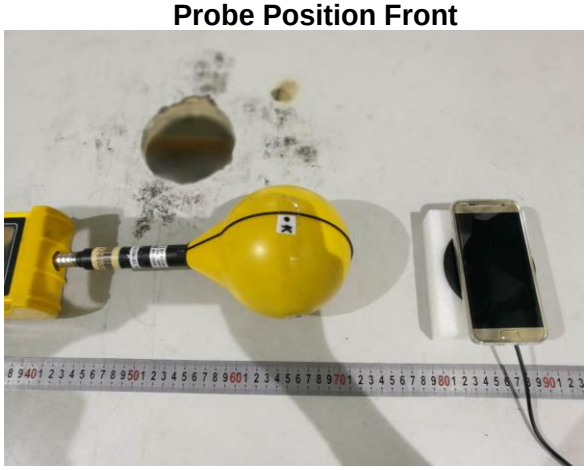
E-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

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	0.512	0.518	0.515	0.524	0.505	614
0.110-0.205	50% battery level	0.503	0.509	0.512	0.510	0.497	614
0.110-0.205	99% battery level	0.501	0.503	0.503	0.511	0.491	614

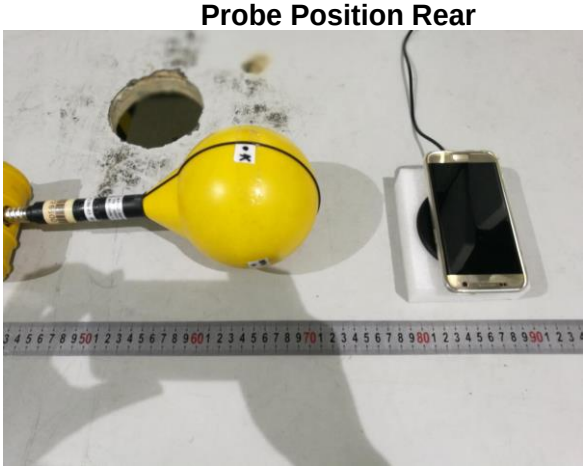
Configuration photo of the test:

H-Field Strength

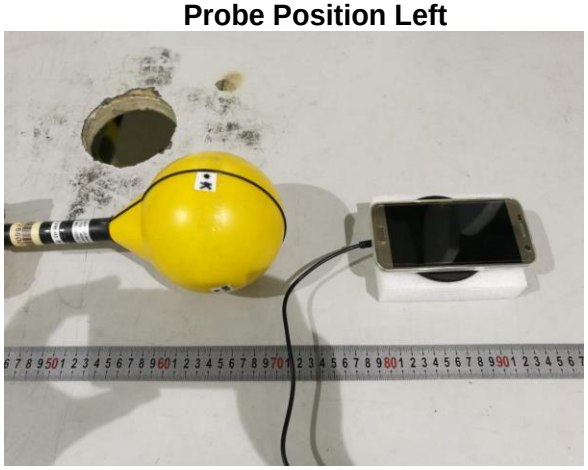
Probe Position Front



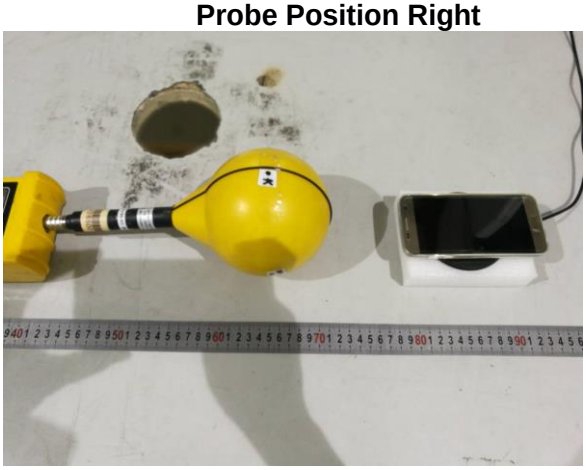
Probe Position Rear



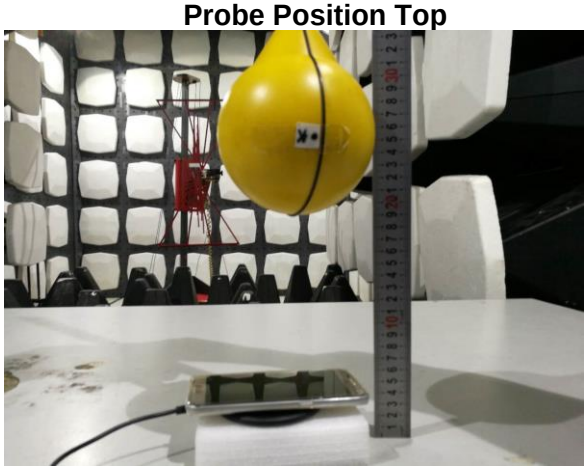
Probe Position Left



Probe Position Right



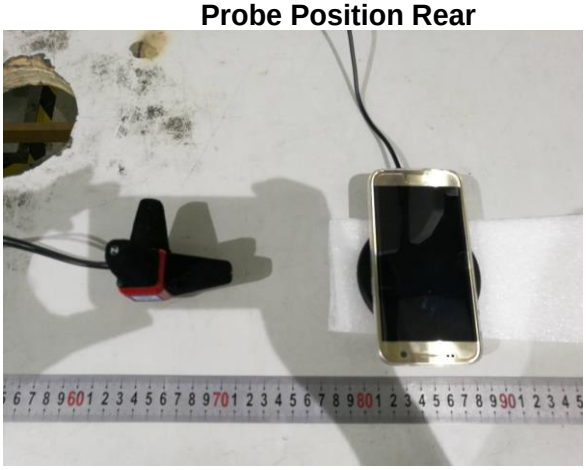
Probe Position Top



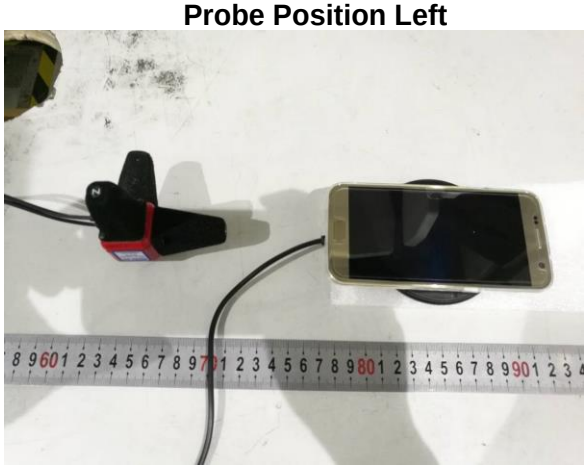
E-Field Strength

Probe Position Front

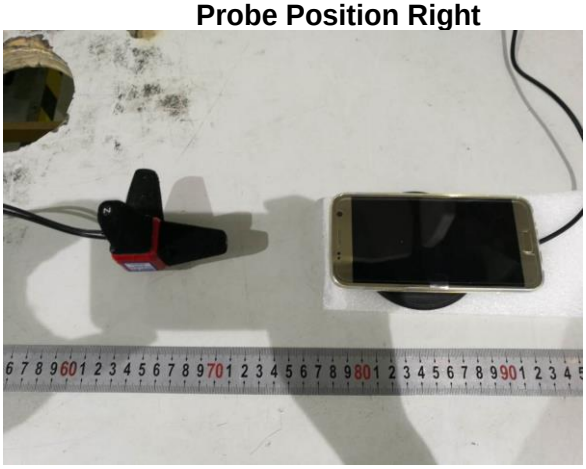
Probe Position Rear



Probe Position Left



Probe Position Right



Probe Position Top