

ASAP Technology(Jiangxi) Co., Ltd.

TEST REPORT

SCOPE OF WORK

SAR ASSESSMENT– ONB18WI701, LACA090

REPORT NUMBER

180604014SZN-002

ISSUE DATE

11 JUNE 2018

[REVISED DATE]

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DOCUMENT CONTROL NUMBER

RF Exposure
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Test Report

Applicant: ASAP Technology(Jiangxi) Co., Ltd.

Number: 180604014SZN-002

Ji'an Industrial Park, Ji'an, Jiangxi, China.

Date: 11 June 2018

Sample Description

Product : Wireless Charger
Model No. : ONB18WI701, LACA090

Brand Name : ONN
Electrical Rating : Input: DC5V, 2A; Output: 5W

Date Received : 04 June 2018

Date Test Conducted : 04 June 2018 to 08 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.

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

Prepared and Checked By:**Approved By:**

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Technical Supervisor
Date: 11 June 2018

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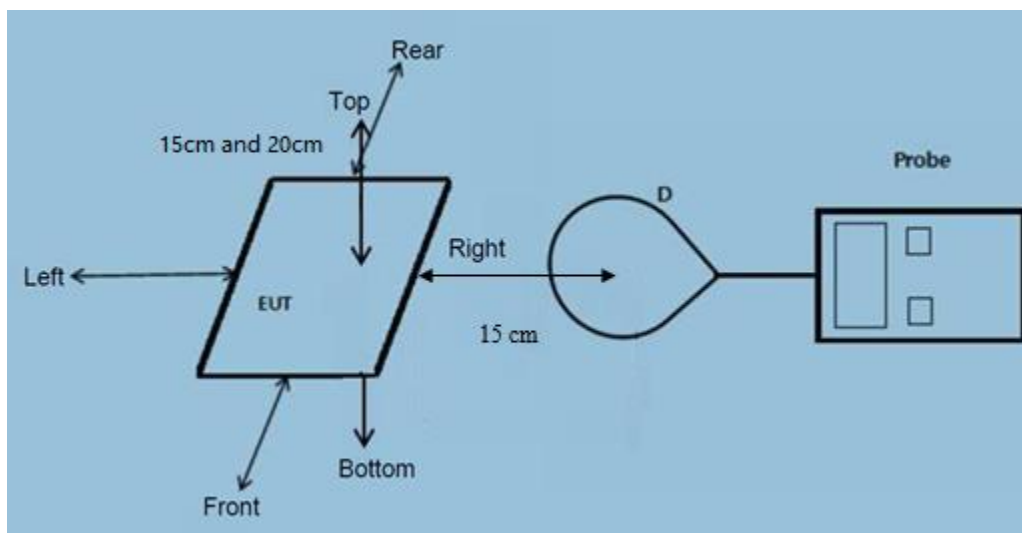
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Test Report

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.
- The Model: LACA090 is the same as the Model: ONB18WI701 in hardware aspect. The difference in model number serves as marketing strategy.

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

Description of Equipment Under Test

The EUT was powered by an adaptor with 120V/60Hz input during the test. The test system was pre-scanning tested based on the consideration of following EUT operation mode.

Pertest mode	Description
Mode 1	Standby mode
Mode 2	Client is charging at 0% battery power
Mode 3	Client is charging at 50% battery power
Mode 4	Client is charging at 100% battery power

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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

Test Position	Probe Measure Result (A/m)				50% Limit (A/m)	Limits (A/m)
	Client in 0% battery power	Client in 50% battery power	Client in 100% battery power	Standby		
Front	0.050	0.047	0.048	0.032	0.815	1.63
Rear	0.052	0.047	0.046	0.034	0.815	1.63
Left	0.055	0.050	0.052	0.031	0.815	1.63
Right	0.048	0.050	0.050	0.032	0.815	1.63
Top ¹	0.052	0.051	0.048	0.035	0.815	1.63
Top ²	0.049	0.045	0.046	0.030	0.815	1.63

E-Field Strength at 15 cm surrounding the EUT

Test Position	Probe Measure Result (V/m)				50% Limit (V/m)	Limits (V/m)
	Client in 0% battery power	Client in 50% battery power	Client in 100% battery power	Standby		
Front	0.432	0.423	0.420	0.401	307	614
Rear	0.441	0.438	0.430	0.404	307	614
Left	0.421	0.412	0.410	0.403	307	614
Right	0.427	0.430	0.423	0.404	307	614
Top ¹	0.429	0.418	0.421	0.405	307	614
Top ²	0.411	0.402	0.404	0.385	307	614

Note:

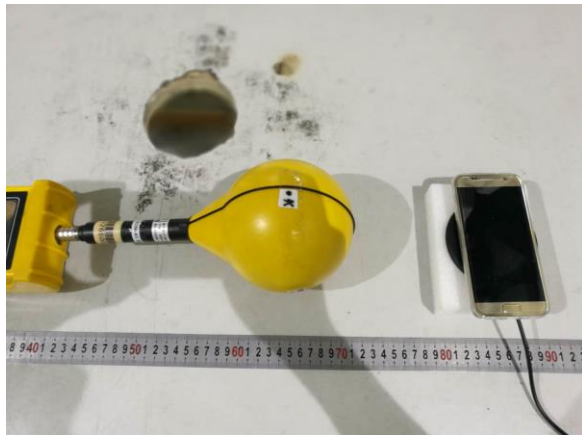
Top¹: The distance is 15cm above the top surface of the EUT

Top²: The distance is 20cm above the top surface of the EUT

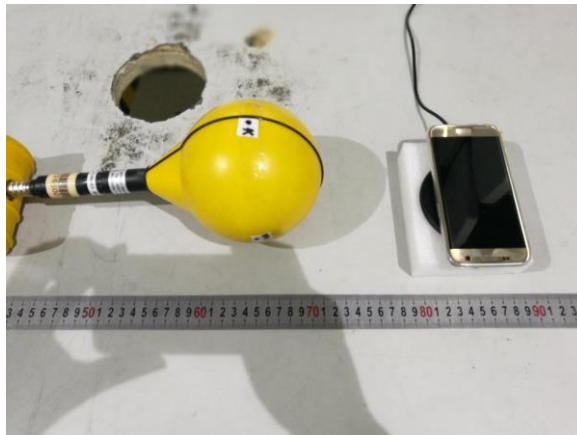
Configuration photo of the test:

H-Field Strength

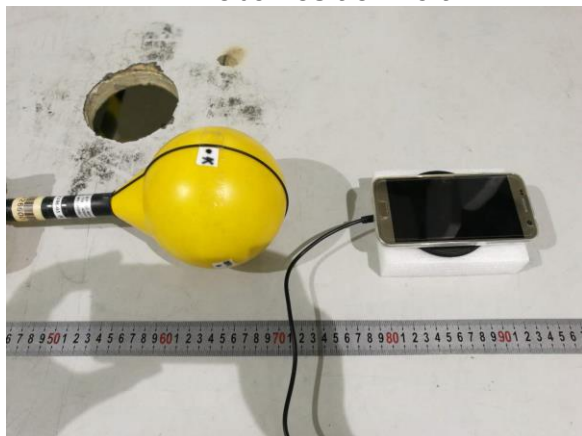
Probe Position Front



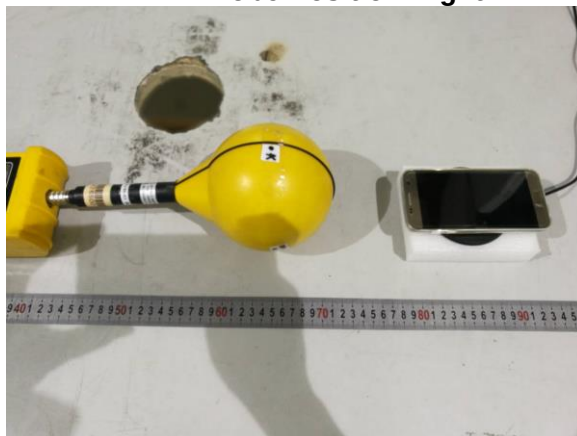
Probe Position Rear



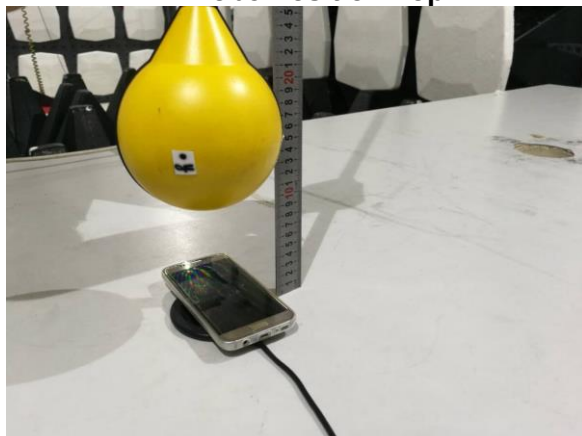
Probe Position Left



Probe Position Right



Probe Position Top¹



Probe Position Top²



E-Field Strength

Probe Position Front



Probe Position Rear



Probe Position Left



Probe Position Right



Probe Position Top¹



Probe Position Top²

