

ASAP Technology(Jiangxi) Co., Ltd.

TEST REPORT

SCOPE OF WORK

SAR ASSESSMENT–LACA073, BWB18WI708

REPORT NUMBER

180627029SZN-002

ISSUE DATE

13 JULY 2018

[REVISED DATE]

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RF Exposure
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Test Report

Applicant: ASAP Technology(Jiangxi) Co., Ltd. Number: 180627029SZN-002

Ji'an Industrial Park, Ji'an, Jiangxi, China. Date: 13 July 2018

Sample Description

Product : Wireless Charger
Model No. : LACA073, BWB18WI708

Brand Name : Blackweb
Electrical Rating : Input: DC 5V/2A or 9V/1.67A; Output: 10W Max.

Date Received : 27 June 2018

Date Test Conducted : 27 June 2018 to 09 July 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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Date: 13 July 2018

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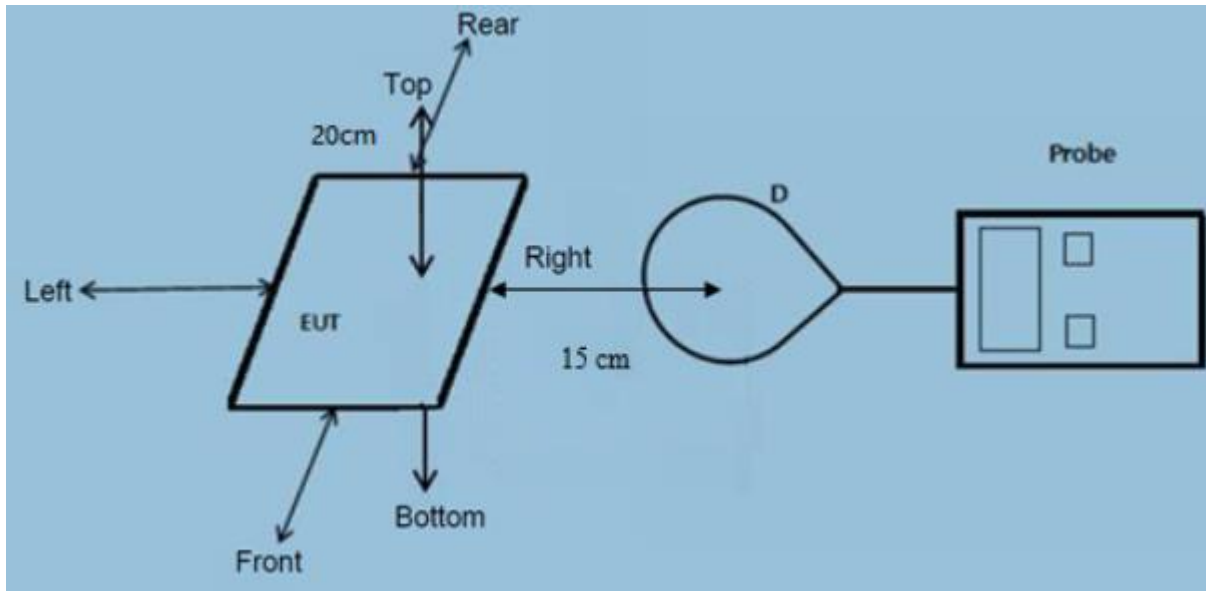
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Test Report

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: LACA073 is the same as the Model: BWB18WI708 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

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	0.063	0.062	0.065	0.066	0.057	1.63
0.110-0.205	50% battery level	0.063	0.062	0.064	0.065	0.053	1.63
0.110-0.205	99% battery level	0.061	0.059	0.063	0.066	0.054	1.63

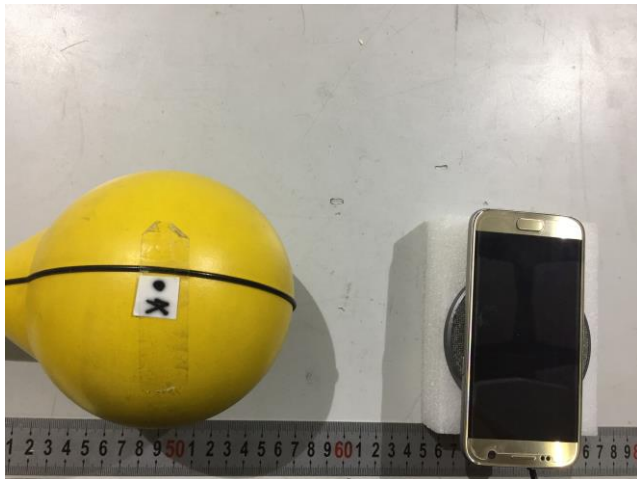
E-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

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	0.602	0.607	0.614	0.616	0.587	614
0.110-0.205	50% battery level	0.604	0.603	0.613	0.612	0.592	614
0.110-0.205	99% battery level	0.596	0.595	0.598	0.593	0.588	614

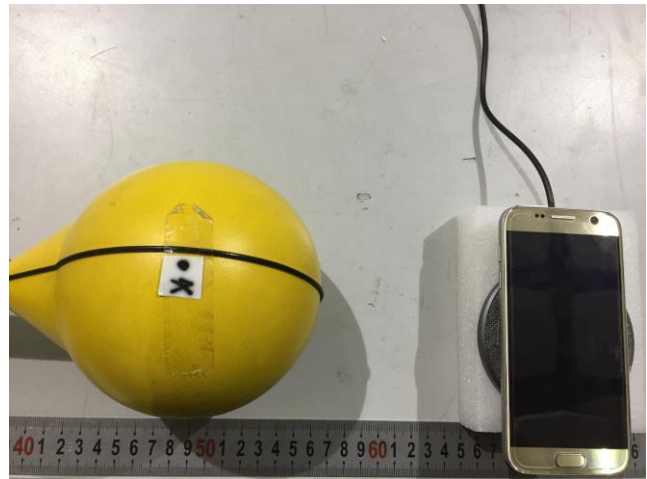
Configuration photo of the test:

H-Field Strength

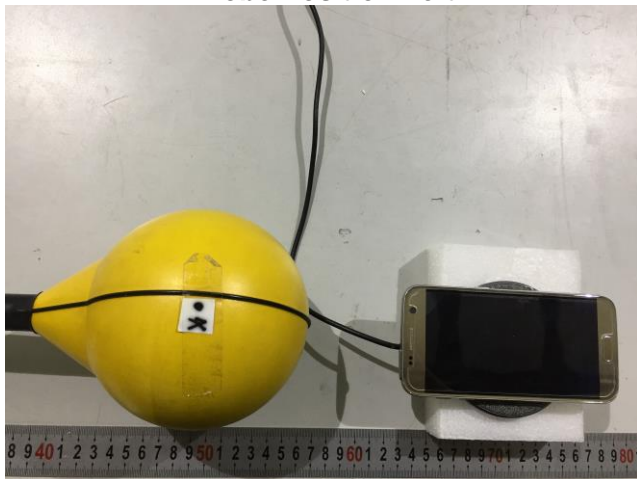
Probe Position Front



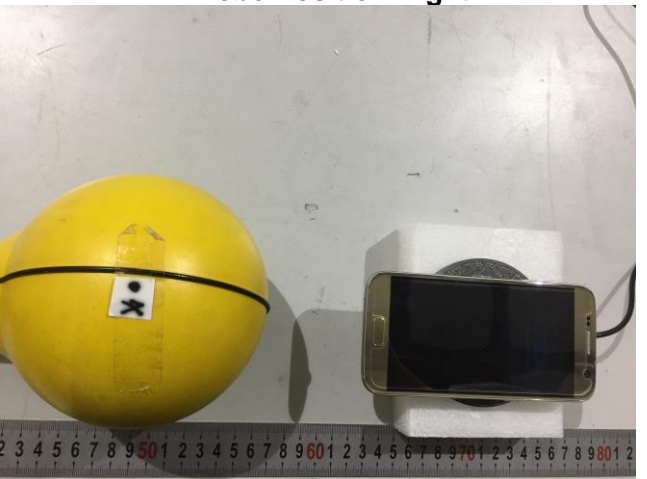
Probe Position Rear



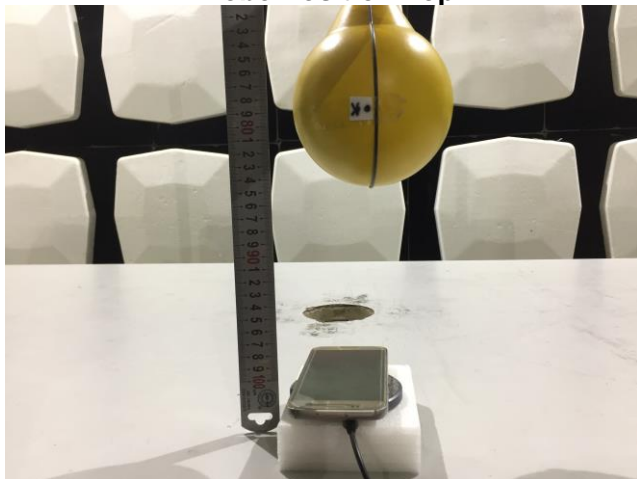
Probe Position Left



Probe Position Right

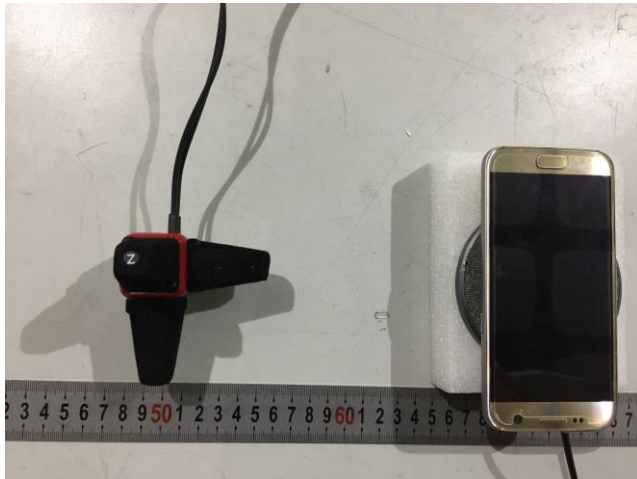


Probe Position Top

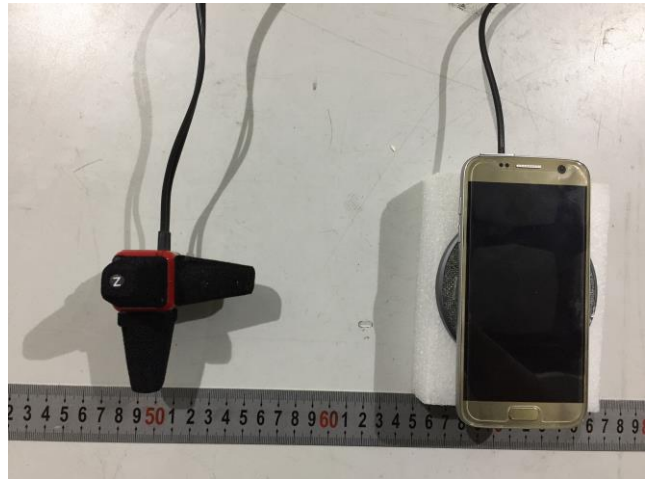


E-Field Strength

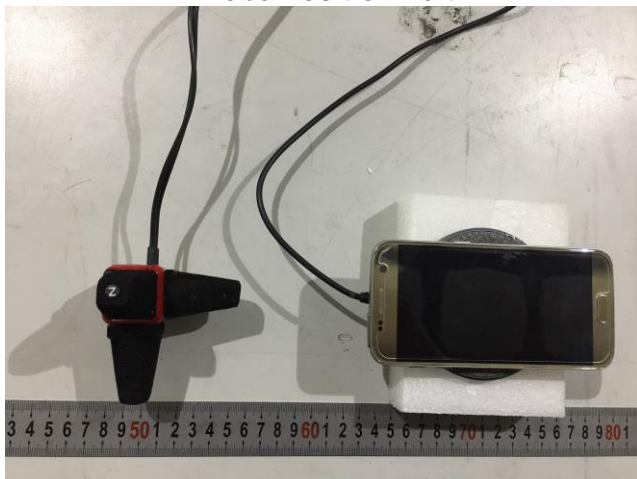
Probe Position Front



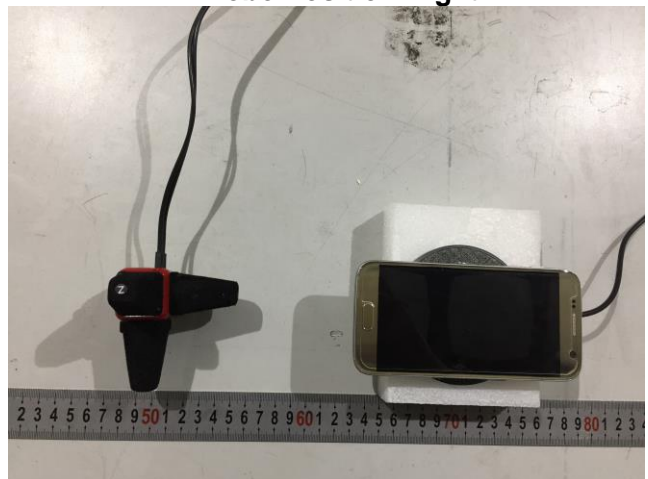
Probe Position Rear



Probe Position Left



Probe Position Right



Probe Position Top

