

ASAP Technology(Jiangxi) Co., Ltd.

TEST REPORT

SCOPE OF WORK

SAR ASSESSMENT-5WCH001

REPORT NUMBER

180614025SZN-002

ISSUE DATE

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PAGES

5

DOCUMENT CONTROL NUMBER

RF Exposure
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Test Report

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

Number: 180614025SZN-002

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

Date: 26 June 2018

Sample DescriptionProduct : Wireless Charger
Model No. : 5WCH001Brand 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.

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

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

Surel Guo
Engineer

Kidd Yang
Technical Supervisor
Date: 26 June 2018

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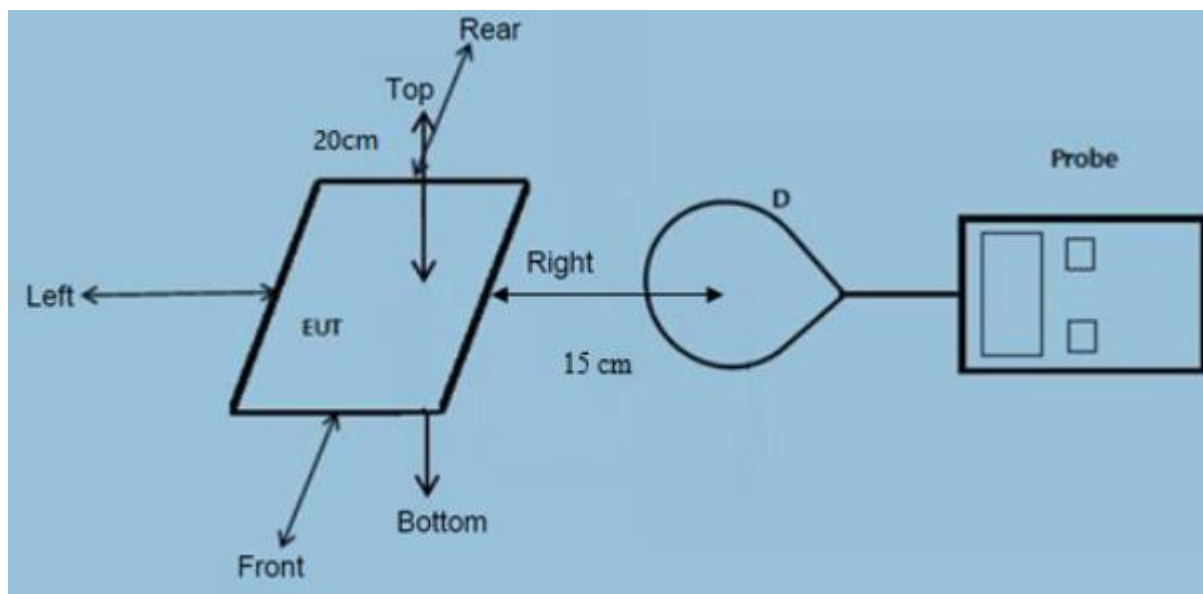
Intertek Testing Service Shenzhen Ltd. Longhua Branch

1F/2F, Building B, QiaoAn Scientific Technology Park, Shangcheng Community, Guanhu Subdistrict, Longhua District, Shenzhen, P.R. China.

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

| 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 |

TEST REPORT

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 |

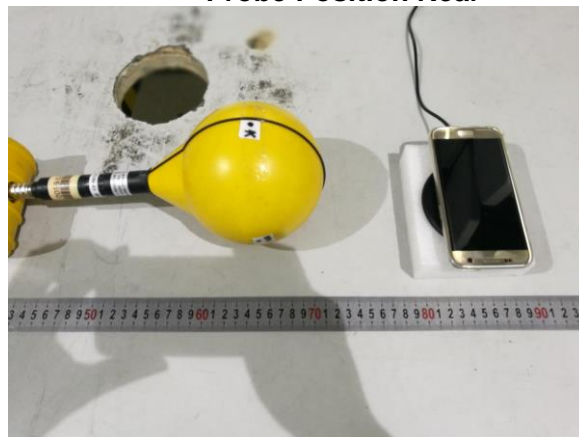
Configuration photo of the test:

H-Field Strength

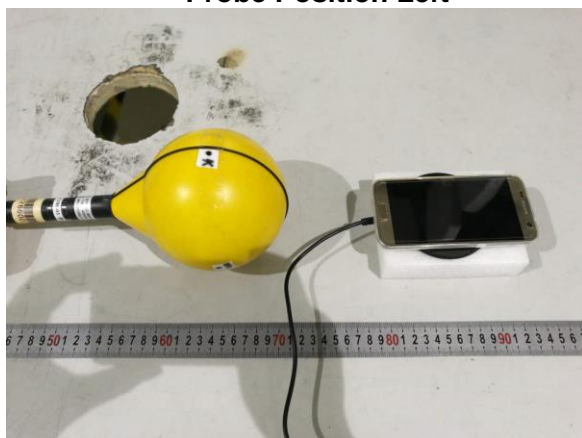
Probe Position Front



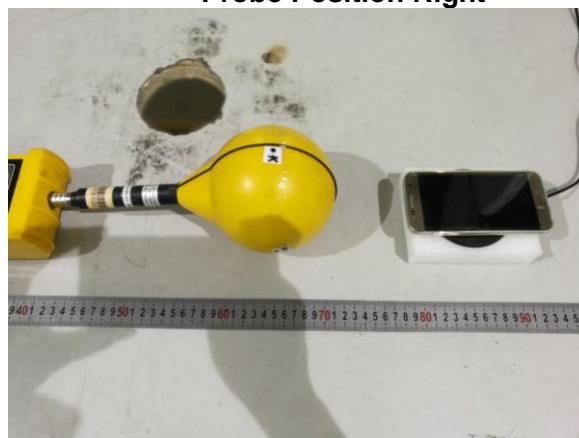
Probe Position Rear



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

