

Shenzhen Reflying Electronic Co., Ltd

TEST REPORT

SCOPE OF WORK

SAR ASSESSMENT— AW003-CB, RST18M

REPORT NUMBER

180123019SZN-002

ISSUE DATE

19 April 2018

[REVISED DATE]

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PAGES

5

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RF Exposure
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Test Report

Applicant: Shenzhen Reflying Electronic Co., Ltd Number: 180123019SZN-002

6 Bldg, GaoXinJian Industrial zone, HePing village, Date: 19 April 2018
Fuyong Town, Bao'an district, Shenzhen,
Guangdong, China.**Sample Description**Product : Charging Stand
Model No. : AW003-CB,RST18MBrand Name : NA
Electrical Rating : Input: AC100-240V, 50/60Hz, 0.3A; Output: DC5V, 3A

Date Received : 23 January 2018

Date Test Conducted : 19 April 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:**Approved By:****Sign On File**
Surel Guo
Engineer

Kidd Yang
Technical Supervisor
Date: 19 April 2018

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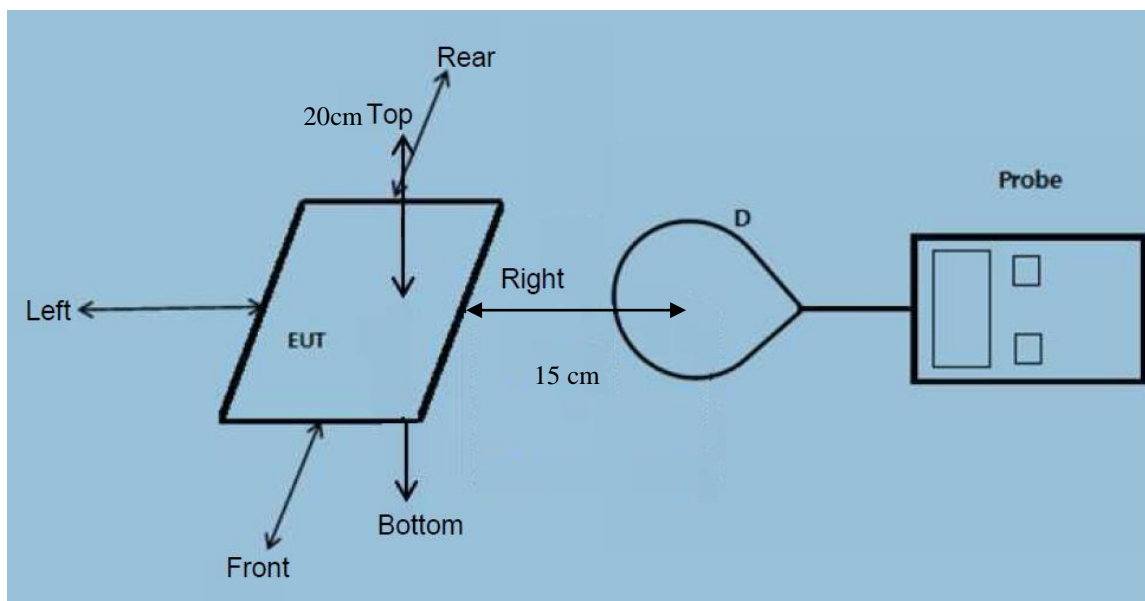
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Test Report

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: RST18M is the same as the Model: AW003-CB in hardware and electronic aspect. The difference in model number and appearance serve 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

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 Mode: Charging and power transfer

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	10% Battery Level	0.041	0.037	0.042	0.039	0.035	1.63
0.110-0.205	50% Battery Level	0.042	0.034	0.041	0.036	0.032	1.63
0.110-0.205	90% Battery Level	0.040	0.036	0.038	0.038	0.034	1.63
0.110-0.205	Stand-by	0.039	0.032	0.035	0.035	0.033	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	10% Battery Level	0.411	0.404	0.427	0.394	0.377	614
0.110-0.205	50% Battery Level	0.408	0.400	0.415	0.382	0.375	614
0.110-0.205	90% Battery Level	0.402	0.411	0.406	0.377	0.370	614
0.110-0.205	Stand-by	0.385	0.381	0.395	0.370	0.367	614

Configuration photo of the test:

H-Field Strength

Probe Position Front



Probe Position Rear



Probe Position Left



Probe Position Right



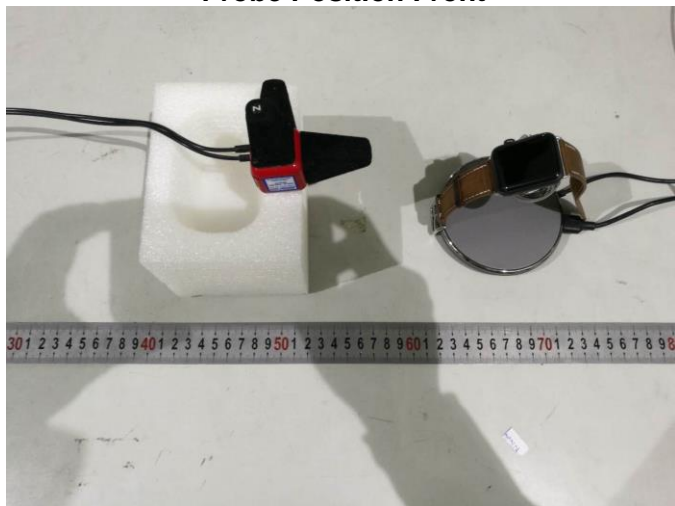
Probe Position Top



TEST REPORT

E-Field Strength

Probe Position Front



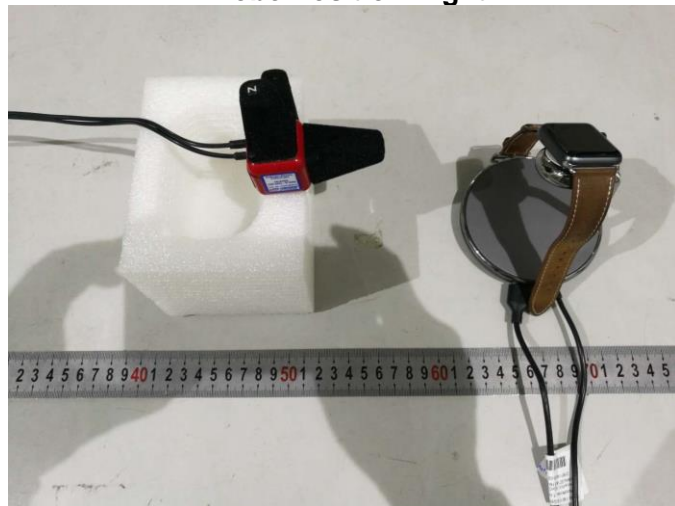
Probe Position Rear



Probe Position Left



Probe Position Right



Probe Position Top

