Shenzhen Reflying Electronic Co., Ltd

TEST REPORT

SCOPE OF WORK
SAR ASSESSMENT– AW002-PB, RPB65

REPORT NUMBER
180119021SZN-002

ISSUE DATE **[REVISED DATE]**

26 March 2018 [----------]

PAGES
5

DOCUMENT CONTROL NUMBER
RF Exposure

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TEST REPORT

Test Report

Applicant:	Shenzhen Reflying Electronic Co., Ltd	Number:	180119021SZN-002
	6 Bldg, GaoXinJian Industrial zone, HePing village, Fuyong Town, Bao'an district, Shenzhen, Guangdong, China.	Date:	26 March 2018

Sample Description

Product	:	Dual Charge Power Bank
Model No.	:	AW002-PB,RPB65
Brand Name	:	NA
Electrical Rating	:	Input: DC 5V, 2.1A; Output: DC 5V, 1A
Date Received	:	19 January 2018
Date Test Conducted	:	26 March 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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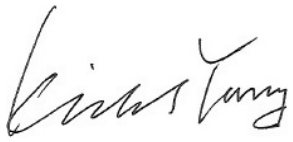
Prepared and Checked By:

Sign On File
Surel Guo
Engineer

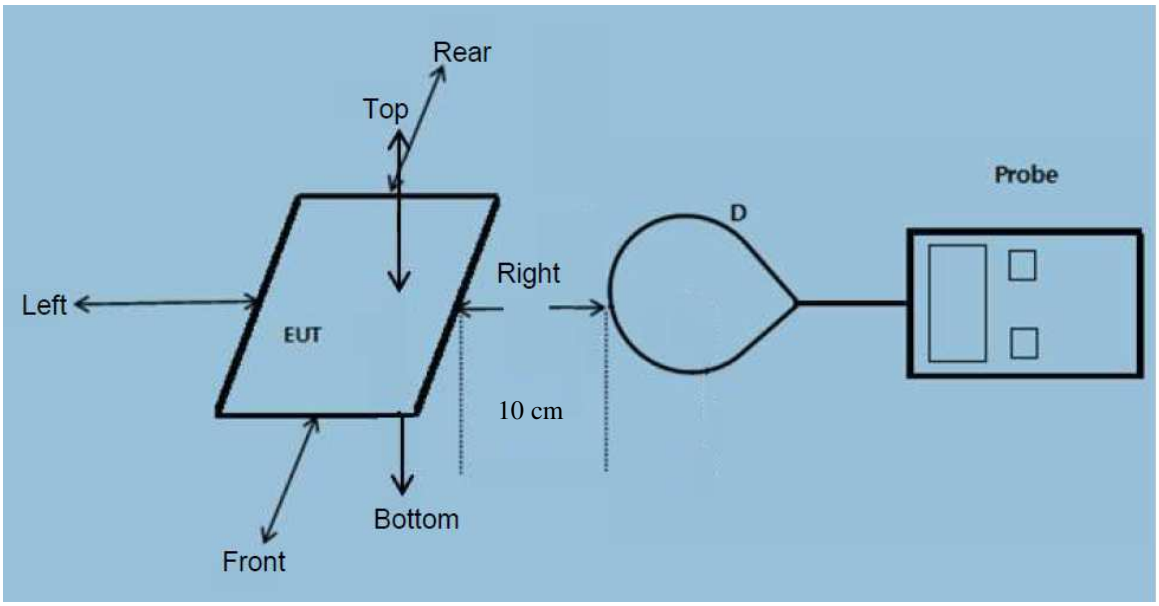
Approved By:



Kidd Yang
Technical Supervisor
Date: 26 March 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.
- The Model: RPB65 is the same as the Model: AW002-PB 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

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 10 cm from the edges surrounding 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)
0.550	1% charged	0.037	0.035	0.023	0.043	0.040	1.63
0.550	50% charged	0.036	0.033	0.024	0.041	0.038	1.63
0.550	99% charged	0.033	0.034	0.023	0.042	0.036	1.63
0.550	Stand-by	0.032	0.035	0.022	0.038	0.035	1.63

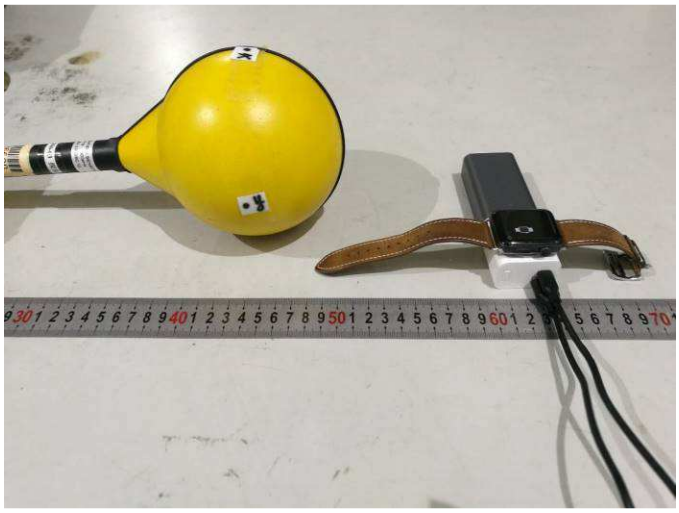
E-Field Strength at 10 cm from the edges surrounding the EUT

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)
0.550	1% charged	0.431	0.382	0.324	0.490	0.463	614
0.550	50% charged	0.404	0.412	0.318	0.467	0.433	614
0.550	99% charged	0.394	0.381	0.318	0.455	0.429	614
0.550	Stand-by	0.349	0.321	0.375	0.426	0.410	614

Configuration photo of the test:

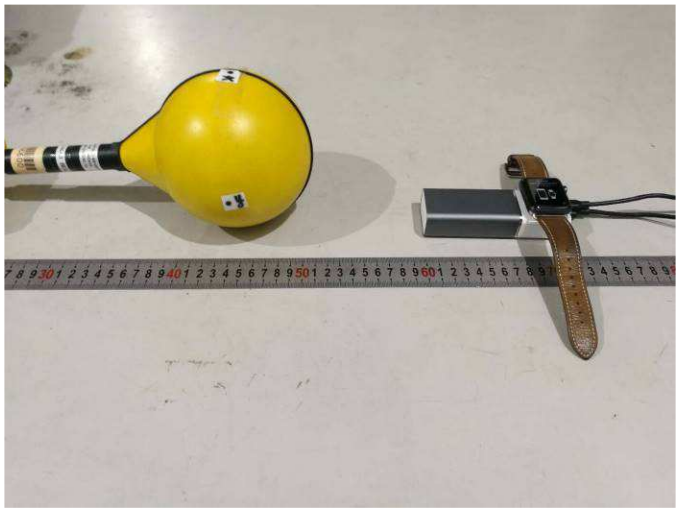
H-Field Strength

Probe Position Front

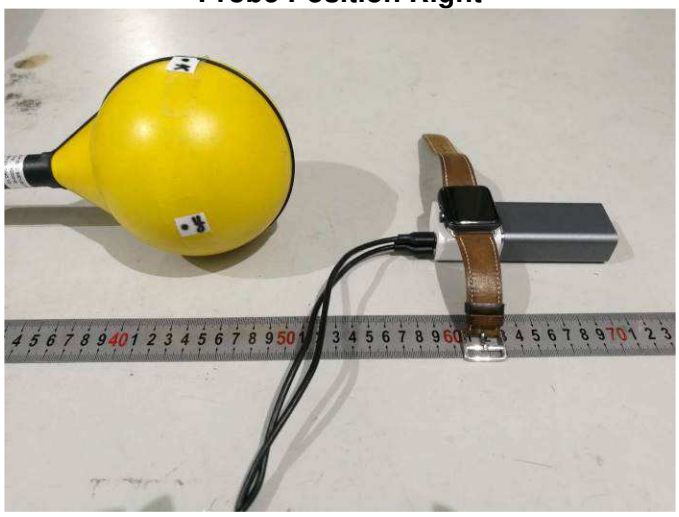


Probe Position Rear

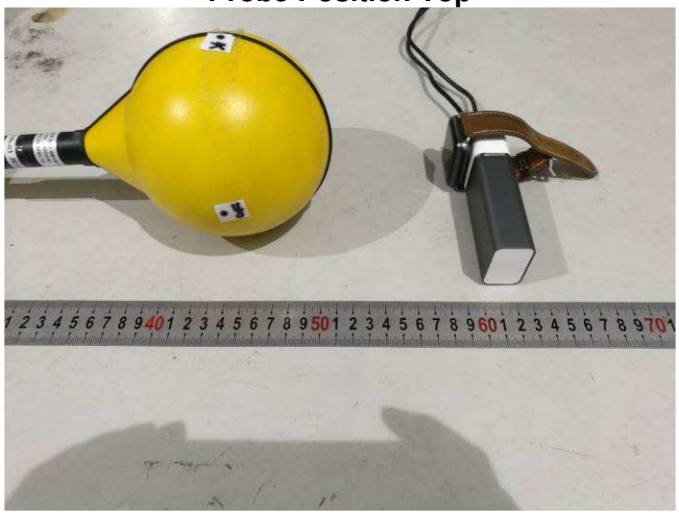
Probe Position Left



Probe Position Right

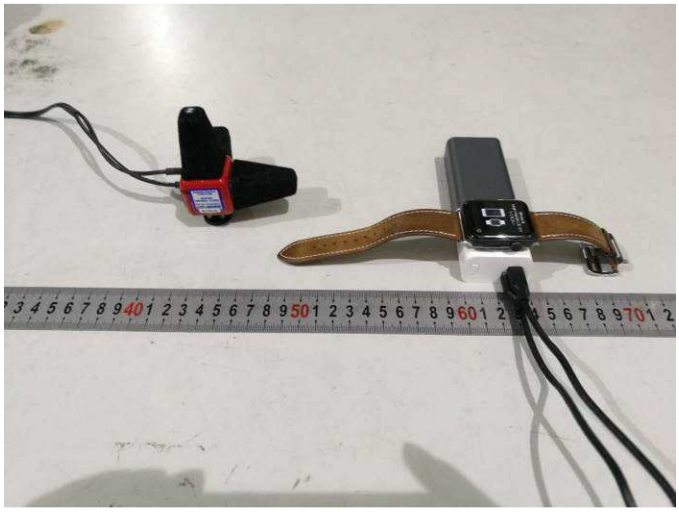


Probe Position Top

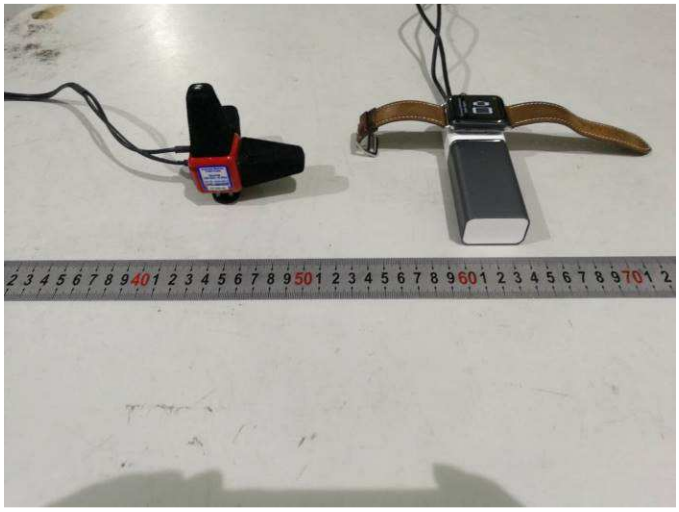


E-Field Strength

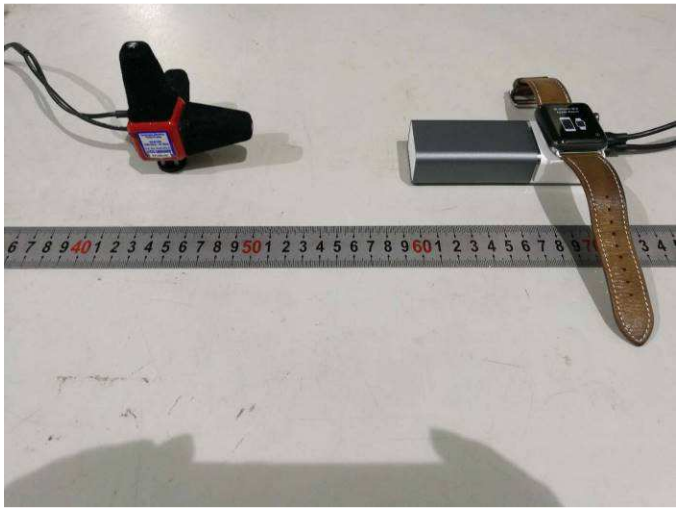
Probe Position Front



Probe Position Rear



Probe Position Left



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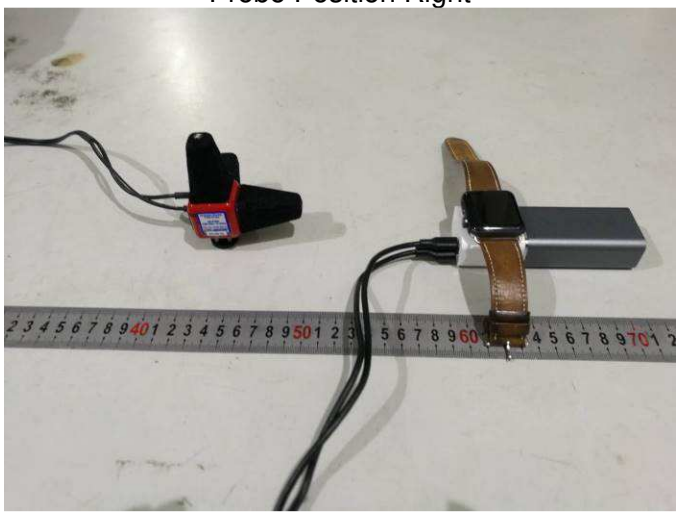

Probe Position Top