

Shenzhen Yupin Technology Co., Ltd

dianxiaobao

Main Model: UP1

Serial Model: N/A

Jan 17, 2014




Report No.: 13070481-FCC-R1

(This report supersedes NONE)



Modifications made to the product : None

This Test Report is Issued Under the Authority of:

		
David Huang Compliance Engineer	Alex Liu Technical Manager	

This test report may be reproduced in full only.
Test result presented in this test report is applicable to the representative sample only.

RF Exposure Report

To: FCC 47CFR Part 1 subpart I & Part 2 subpart J

SIEMIC, INC.
Accessing global markets



Laboratory Introduction

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.



In addition to [testing](#) and [certification](#), SIEMIC provides initial design reviews and [compliance management](#) through out a project. Our extensive experience with [China](#), [Asia Pacific](#), [North America](#), [European](#), and [international](#) compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the [global markets](#).

SIEMIC (Shenzhen-China) Laboratories Accreditations for Conformity Assessment

Country/Region	Scope
USA	EMC , RF/Wireless , Telecom
Canada	EMC, RF/Wireless , Telecom
Taiwan	EMC, RF, Telecom , Safety
Hong Kong	RF/Wireless ,Telecom
Australia	EMC, RF, Telecom , Safety
Korea	EMI, EMS, RF , Telecom, Safety
Japan	EMI, RF/Wireless, Telecom
Singapore	EMC , RF , Telecom
Europe	EMC, RF, Telecom , Safety

This page has been left blank intentionally.

CONTENTS

1

EXECUTIVE SUMMARY & EUT INFORMATION

5

2

TECHNICAL DETAILS.....

6

3

MODIFICATION.....

7

4

TEST SUMMARY.....

8

5

MEASUREMENTS, EXAMINATION AND DERIVED RESULTS.....

9

ANNEX A. TEST INSTRUMENTATION & GENERAL PROCEDURES

11

ANNEX B. EUT AND TEST SETUP PHOTOGRAPHS

13

ANNEX C. TEST SETUP AND SUPPORTING EQUIPMENT.....

26

ANNEX D. USER MANUAL / BLOCK DIAGRAM / SCHEMATICS / PART LIST

29

ANNEX E. DECLARATION OF SIMILARITY

30

1 EXECUTIVE SUMMARY & EUT INFORMATION

The purpose of this test programme was to demonstrate compliance of the Shenzhen Yupin Technology Co., Ltd, dianxiaobao and Model: UP1 against the current Stipulated Standards. The dianxiaobao has demonstrated compliance with the FCC 47CFR Part 1 subpart I & part 2 subpart J.

EUT Information

EUT Description : dianxiaobao

Main Model : UP1

Serial Model : N/A

Input Power : DC 5V 2.0 A

Antenna Type : Coil antenna

Classification Per Stipulated Test Standard : Non-ISM frequency
FCC 47CFR Part 1 subpart I & part 2 subpart J

2 TECHNICAL DETAILS

Purpose	Compliance testing of dianxiaobao with stipulated standards
Applicant / Client	Shenzhen Yupin Technology Co.,Ltd 4th Floor, Building Two, Dongpeng Industrial Park, Second Industrial District, Mabu New Village, Shiyan Street, Shenzhen City
Manufacturer	Shenzhen Yupin Technology Co.,Ltd 4th Floor, Building Two, Dongpeng Industrial Park, Second Industrial District, Mabu New Village, Shiyan Street, Shenzhen City
Laboratory performing the tests	SIEMIC (Shenzhen-China) Laboratories Zone A, Floor 1, Building 2, Wan Ye Long Technology Park, South Side of Zhoushi Road, Bao'an District, Shenzhen, Guangdong, China Tel: +86-0755-2601 4629 / 2601 4953 Fax: +86-0755-2601 4953-810 Email: China@siemic.com.cn
Test report reference number	13070481-FCC-R1
Date EUT received	November 04, 2013
Standard applied	FCC 47CFR Part 1 subpart I & part 2 subpart J
Dates of test (from – to)	Jan 15, 2014
No of Units	#1
Equipment Category	Non-ISM frequency
Trade Name	Power Partner
RF Operating Frequency (ies)	110 kHz – 205 kHz
FCC ID	2ABGM-UPW001



SIEMIC, INC.

Accessing global markets

Title: EMC Test Report for dianxiaobao
Main Model: UP1
Serial Model: N/A
To: FCC 47CFR Part 1 subpart I & part 2 subpart J

Report No.: 13070481-FCC-R1
Issue Date: Jan 17, 2014
Page: 7 of 30
www.siemic.com.cn

3 MODIFICATION

NONE

4 TEST SUMMARY

The product was tested in accordance with the following specifications.
All testing has been performed according to below product classification:

Non-ISM frequency

Test Results Summary

Emissions			
Test Standard	Description	Product Class	Pass / Fail
FCC 47CFR Part 1.1310	Electric Field strength	See Above	Pass
FCC 47CFR Part 1.1310	Magnetic Field strength	See Above	Pass

All measurement uncertainty is not taken into consideration for all presented test result.

5 MEASUREMENTS, EXAMINATION AND DERIVED RESULTS

5.1 Electrical & Magnetic Field Strength Test Result (Section 1.1310)

Note:

- § 1.1310 The criteria listed in table 1 shall be used to evaluate the environmental impact of human exposure to radiofrequency(RF) radiation as specified in § 1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of § 2.1093 of this chapter.

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	* 100	6
3.0-30	1842/f	4.89/f	* 900/f ²	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	* 100	30
1.34-30	824/f	2.19/f	* 180/f ²	30
30-300	27.5	0.073	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = frequency in MHz * = Plane-wave equivalent power density

- | | | | |
|----|--------------------------|----------------------|----------|
| 2. | Environmental Conditions | Temperature | 25°C |
| | | Relative Humidity | 50% |
| | | Atmospheric Pressure | 1011mbar |
| 3. | Test date : Jan 15, 2014 | | |
| | Tested By : David Huang | | |

Test Result: Pass

Test Mode:	Operating Frequency: 155.66 kHz
-------------------	--

Test Data (E-Field)

Operating Freq.(kHz)	Side	Separation Distance (m)	E-Field (V/m)	E-Field Limit(V/m)
155.66	Left	0.1	2.94	614
155.66	Right	0.1	2.99	614
155.66	Front	0.1	2.91	614
155.66	Rear	0.1	2.79	614
155.66	Top	0.1	3.12	614
155.66	Bottom	0.1	2.99	614

Test Data (H-Field)

Operating Freq.(kHz)	Side	Separation Distance (m)	H-Field (A/m)	H-Field Limit (A/m)
155.66	Left	0.1	0.0062	1.63
155.66	Right	0.1	0.0066	1.63
155.66	Front	0.1	0.0068	1.63
155.66	Rear	0.1	0.0069	1.63
155.66	Top	0.1	0.0062	1.63
155.66	Bottom	0.1	0.0063	1.63

Note:

Measurement distance: 10 cm;

EUT operation: This device has been tested with full load. The maximum output current of wireless receiver is 1A, output voltage: DC 5V, calculation of resistance value: $I=V/R$, $1A=5V/R$, $R=5V/1A=5ohm$.

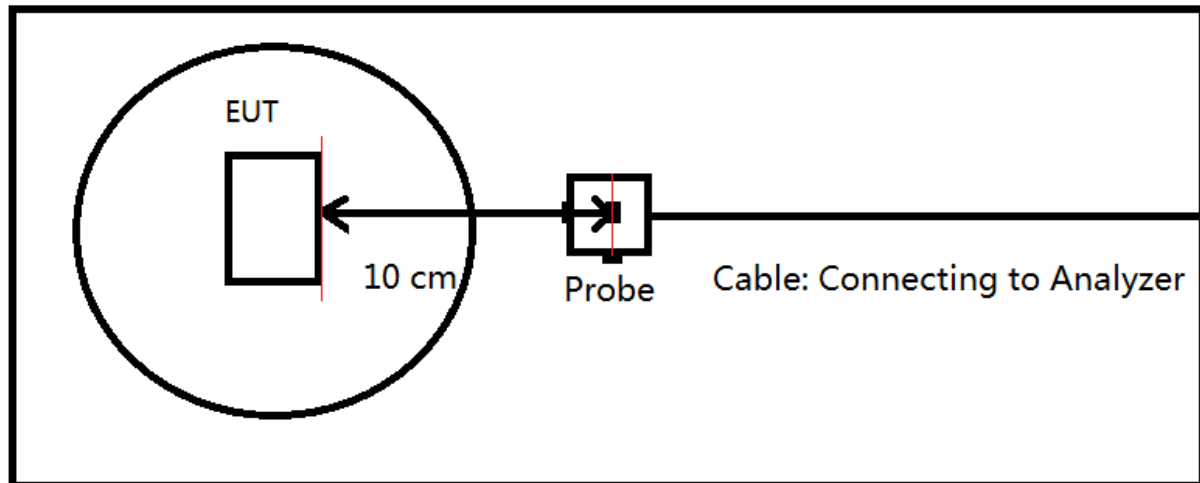
Annex A. TEST INSTRUMENTATION & GENERAL PROCEDURES

Annex A. i. TEST INSTRUMENTATION

Instrument	Model	Serial #	Calibration Date	Calibration Due Date
Probe	RSS1004A	54	05/19/2013	05/19/2014

Annex A. ii. Electric And Magnetic Field Strength TEST DESCRIPTION

Test Set-up diagram



Test Procedure

These testing were performed at test configuration as above diagram.

EUT was placed on a table, and the measure probe was placed at a measurement distance of 10cm from the EUT to the center of the probe. The EUT was put in different directions (Left, Right, Front, Rear, Top and Bottom) to obtain the maximum reading.

Annex B. EUT AND TEST SETUP PHOTOGRAPHS

Annex B. i. Photograph 1: EUT External Photo (there are two colour for the EUT's appearance: black and colourful)



Whole Package - Top View



SIEMIC, INC.
Accessing global markets

Title: EMC Test Report for dianxiaobao
Main Model: UP1
Serial Model: N/A
To: FCC 47CFR Part 1 subpart I & part 2 subpart J

Report No.: 13070481-FCC-R1
Issue Date: Jan 17, 2014
Page: 14 of 30
www.siemic.com.cn



EUT - Front View(Black)



EUT - Bottom View(Black)



EUT - Top View(Black)



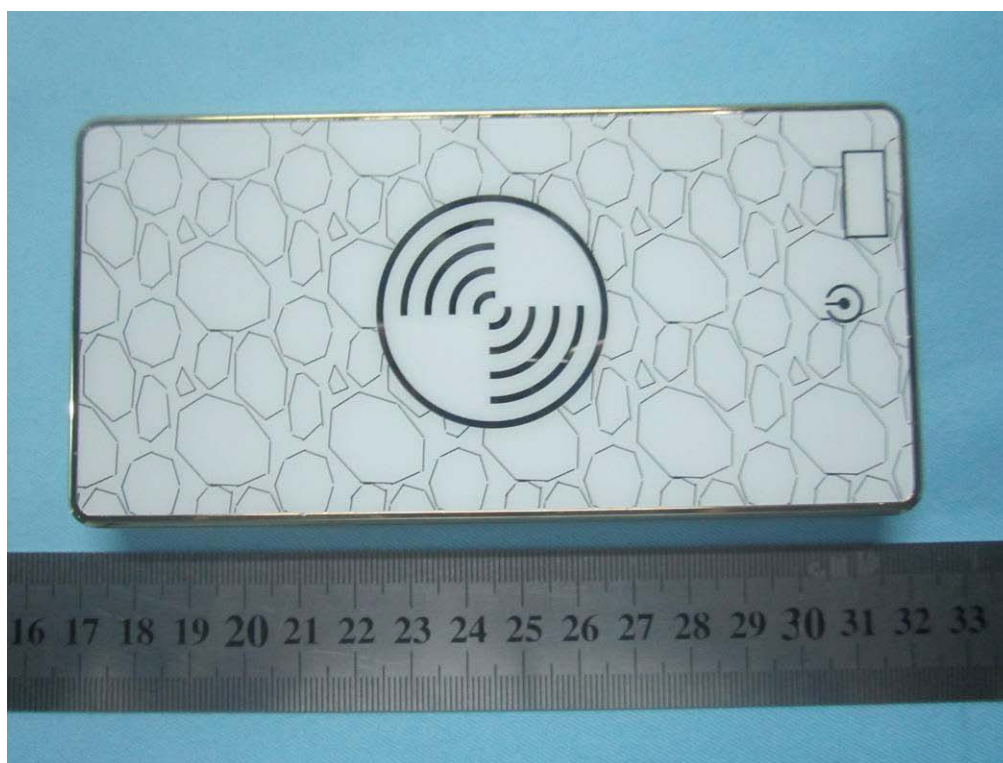
EUT - Rear View(Black)



EUT - Left Side View(Black)



EUT - Right Side View(Black)



EUT - Top View(Colourful)



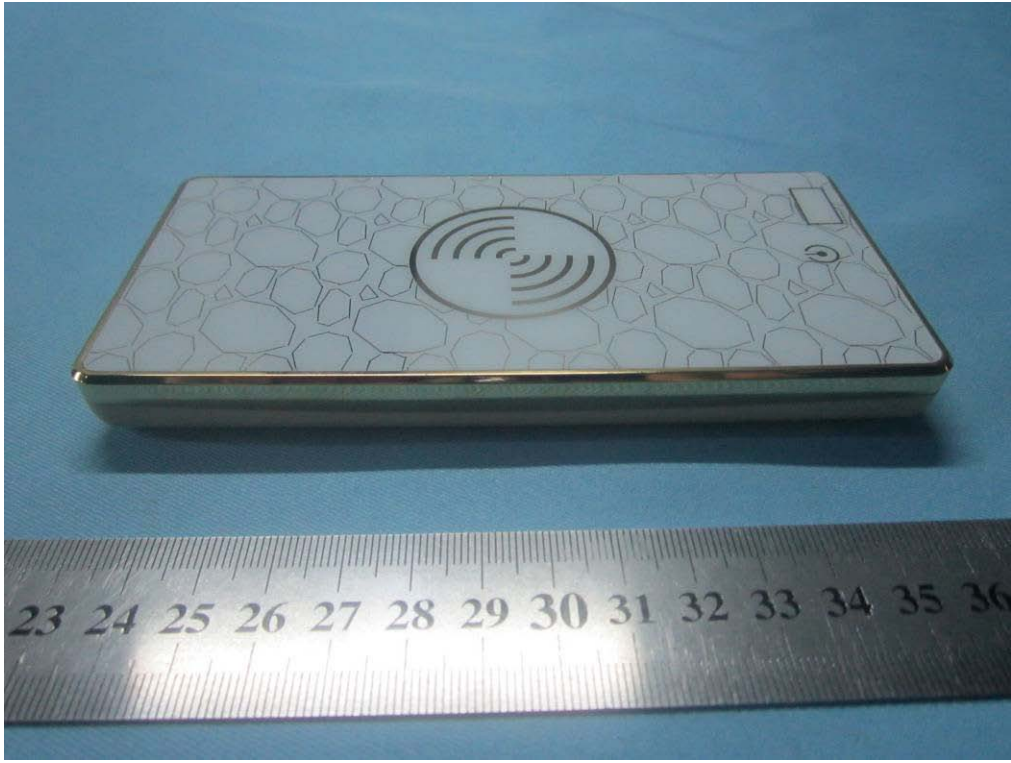
EUT - Bottom View(Colourful)



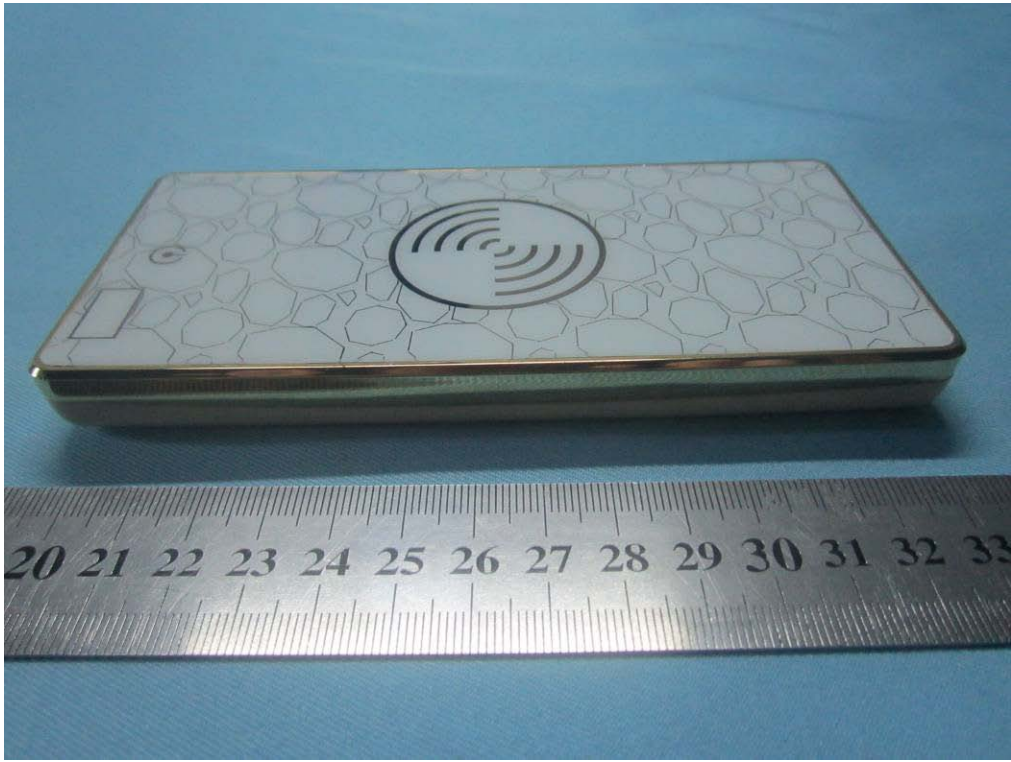
EUT - Front View(Colourful)



EUT - Rear View(Colourful)

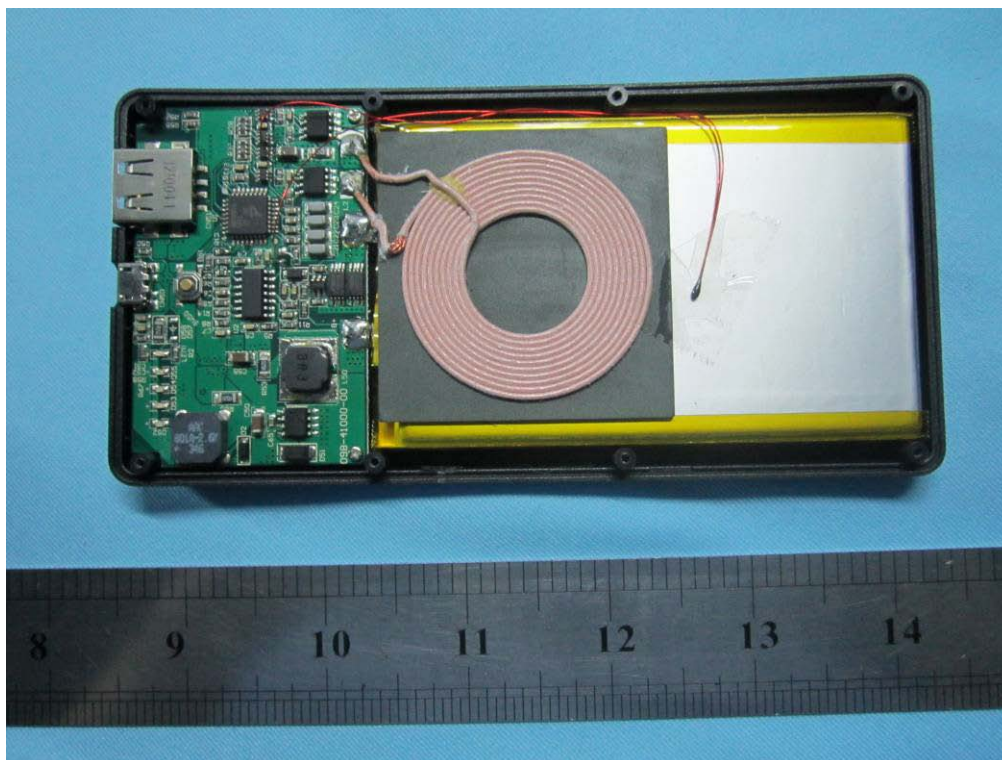


EUT - Left Side View(Colourful)

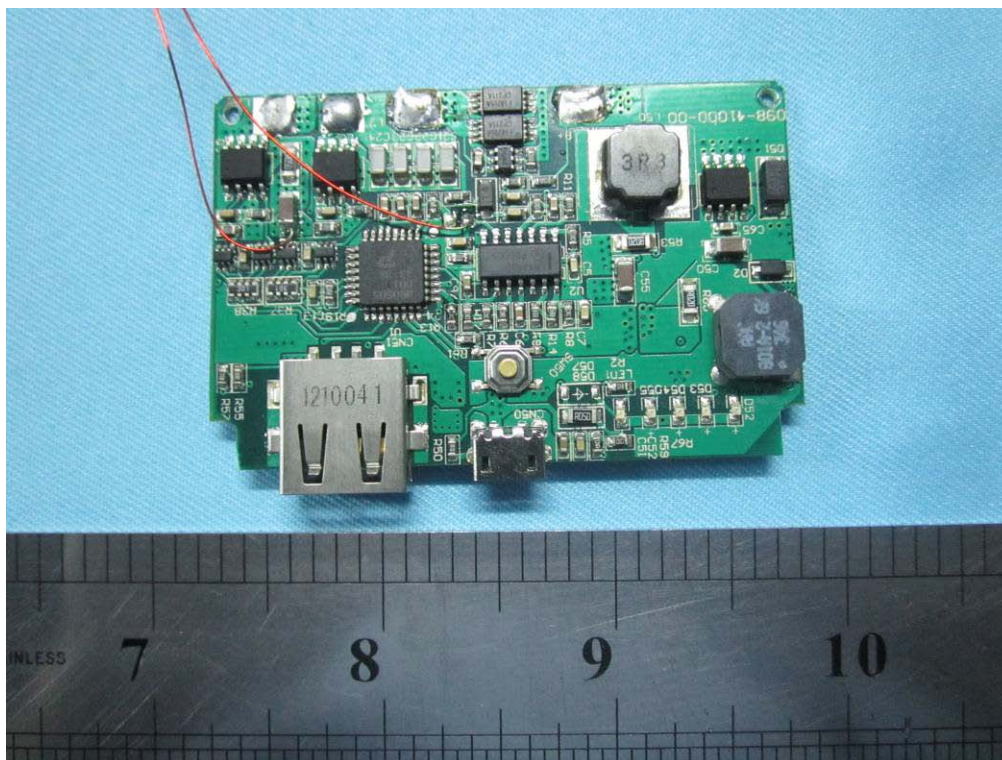


EUT - Right Side View(Colourful)

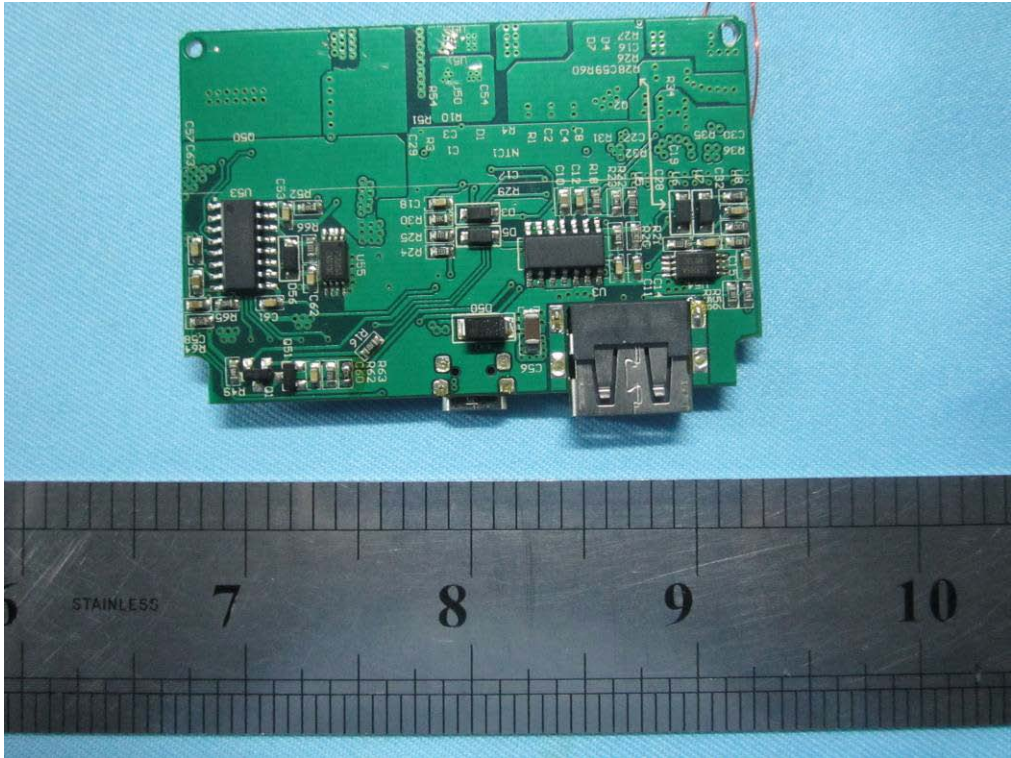
Annex B. ii. Photograph 2: EUT Internal Photo



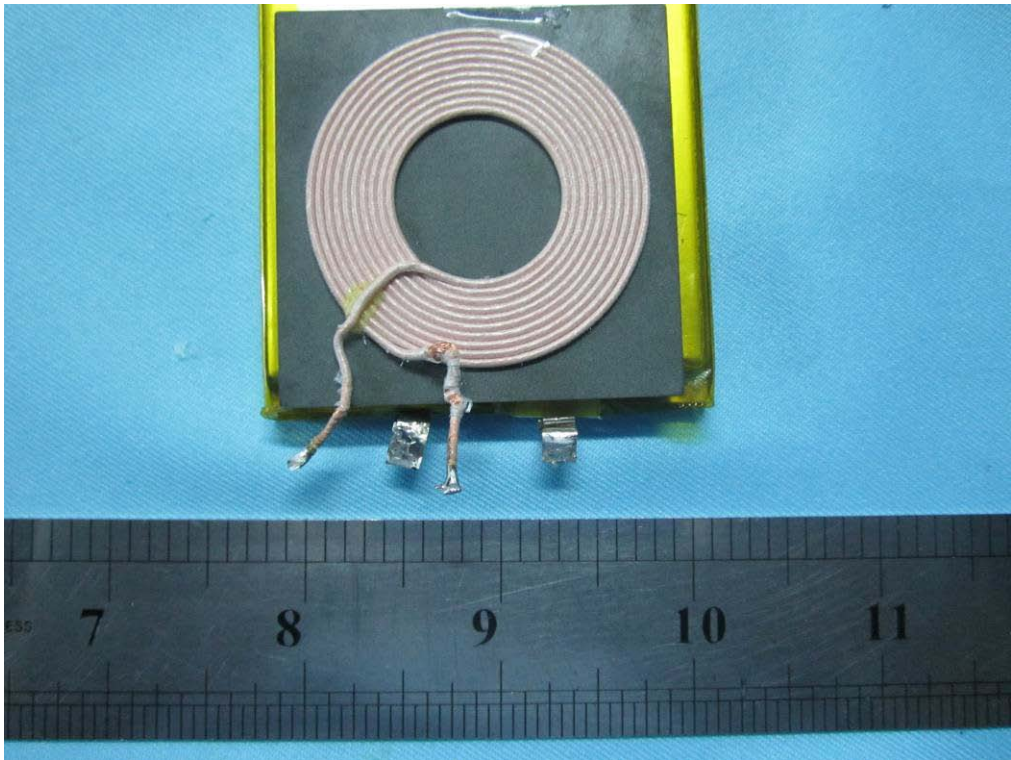
EUT-Cover Off View



EUT Mainboard - Top View



EUT Mainborad - Bottom View



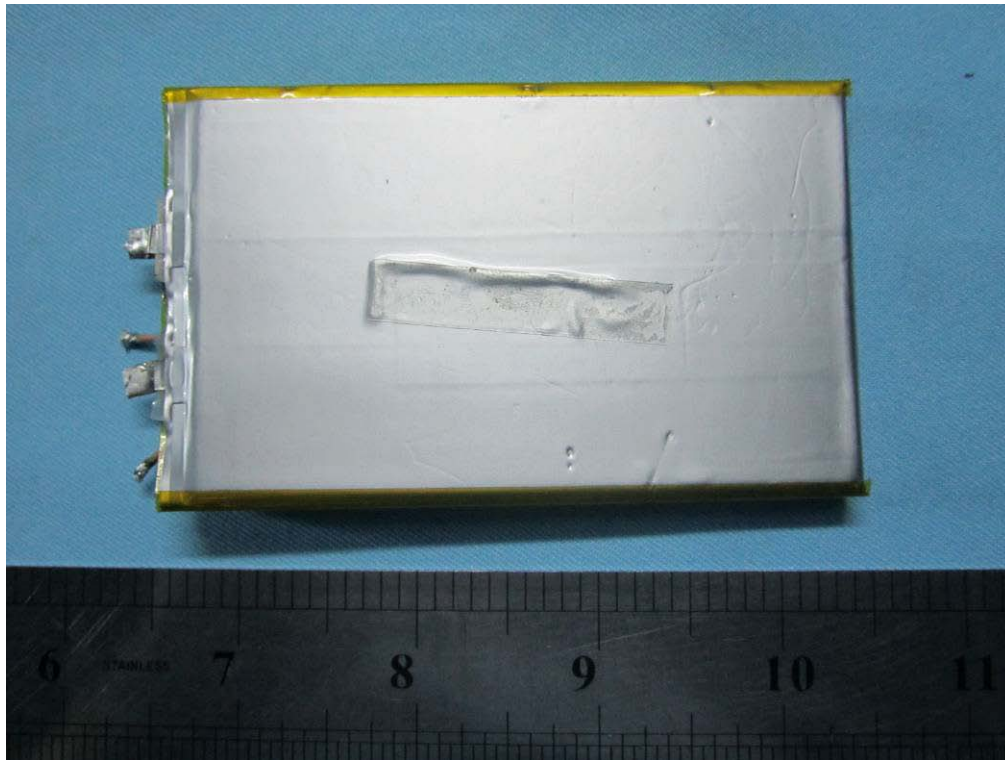
EUT Coil Antenna - Top View



SIEMIC, INC.
Accessing global markets

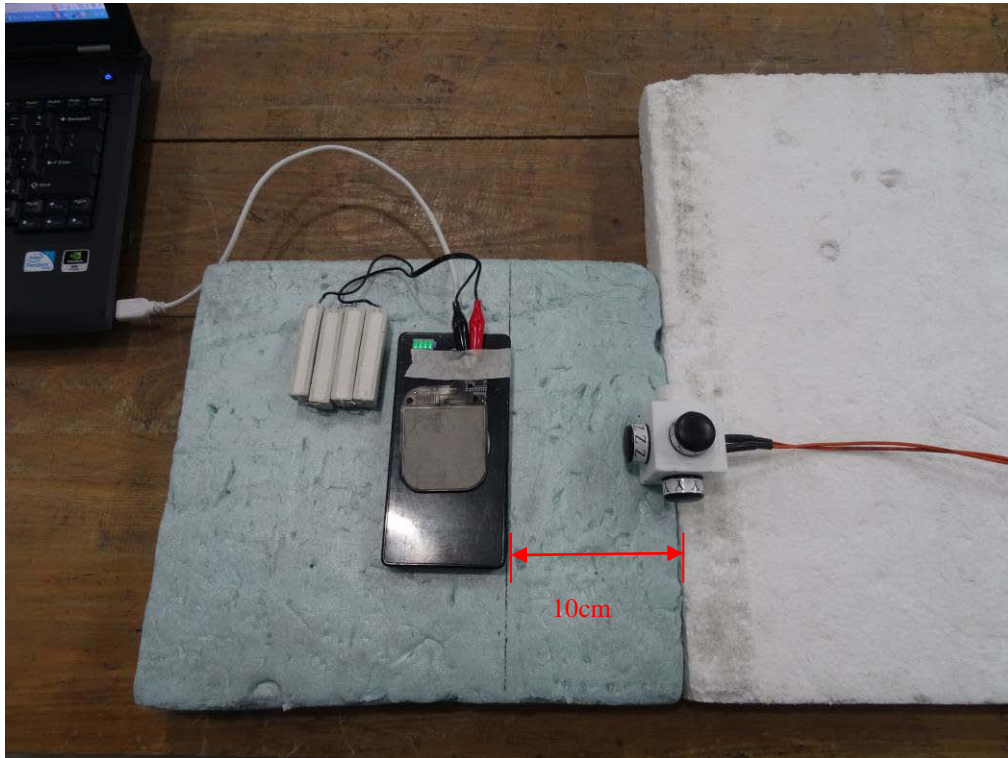
Title: EMC Test Report for dianxiaobao
Main Model: UP1
Serial Model: N/A
To: FCC 47CFR Part 1 subpart I & part 2 subpart J

Report No.: 13070481-FCC-R1
Issue Date: Jan 17, 2014
Page: 22 of 30
www.siemic.com.cn

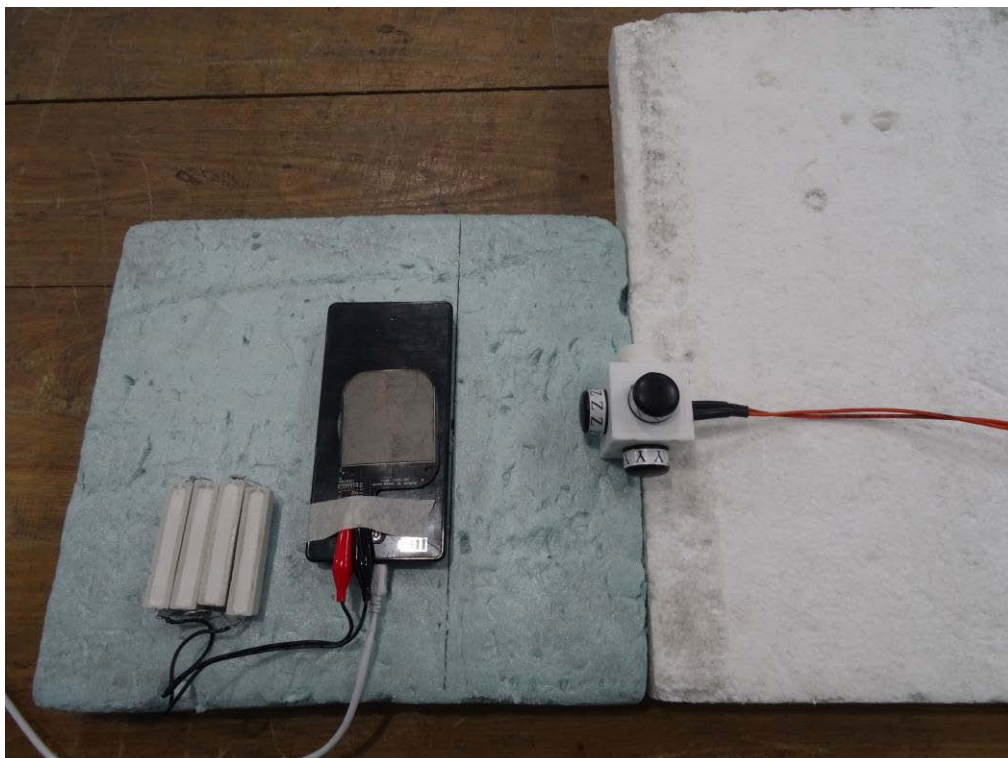


Battery – Top View

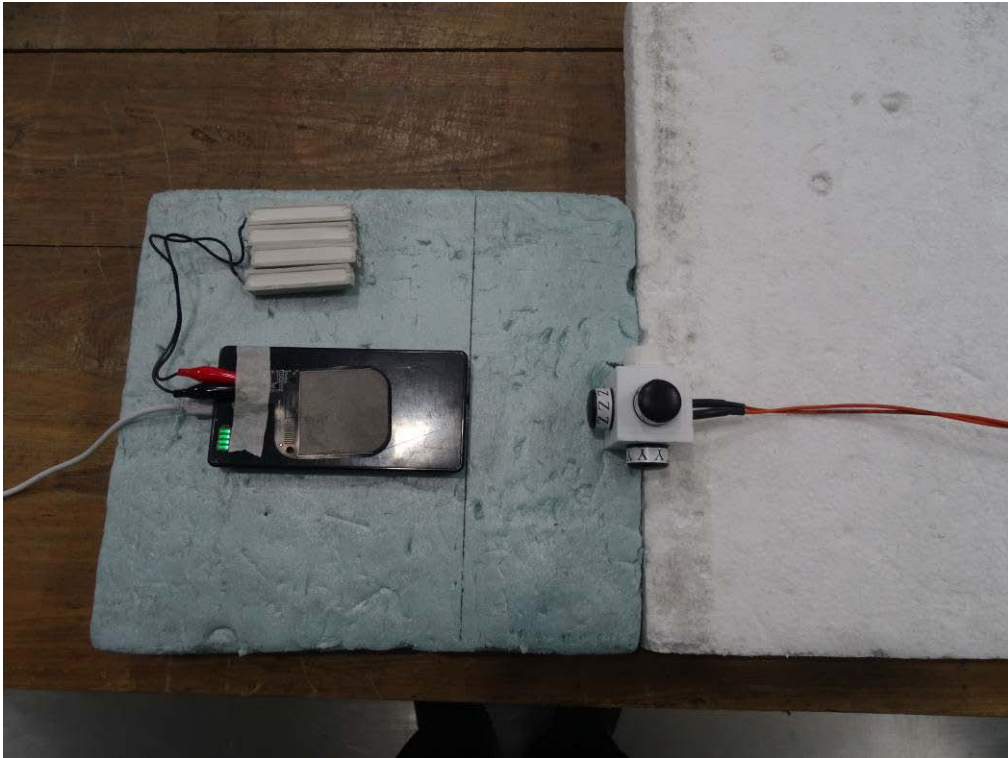
Annex B.iii. Photograph 3: Test Setup Photo



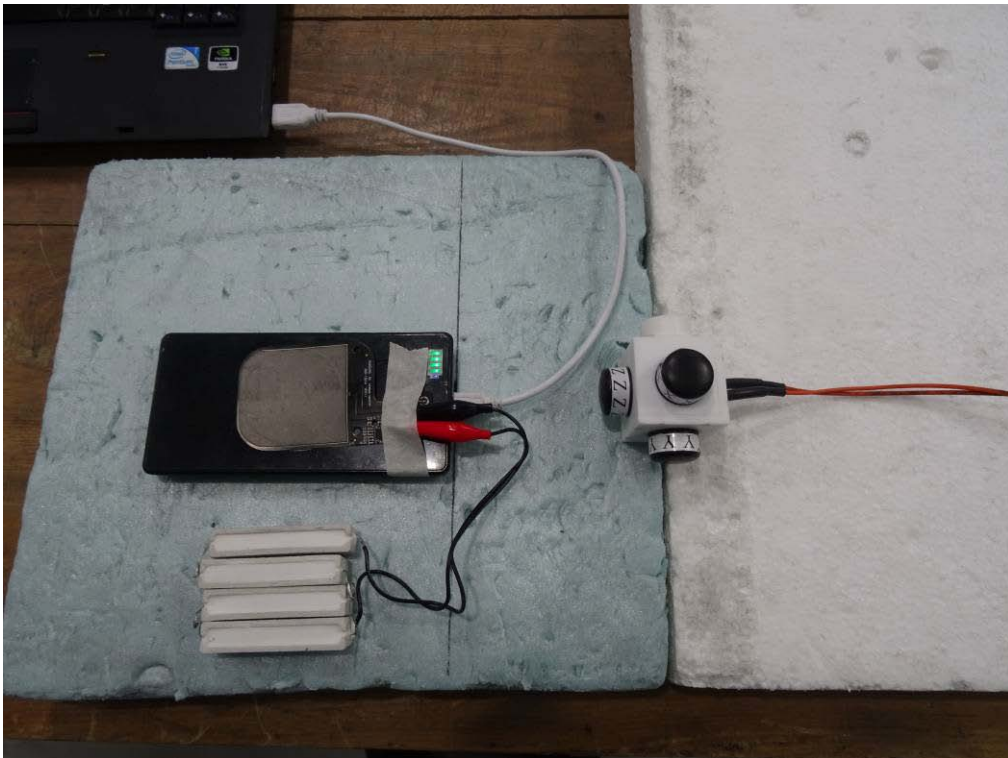
RF expousre evaluation: Left side



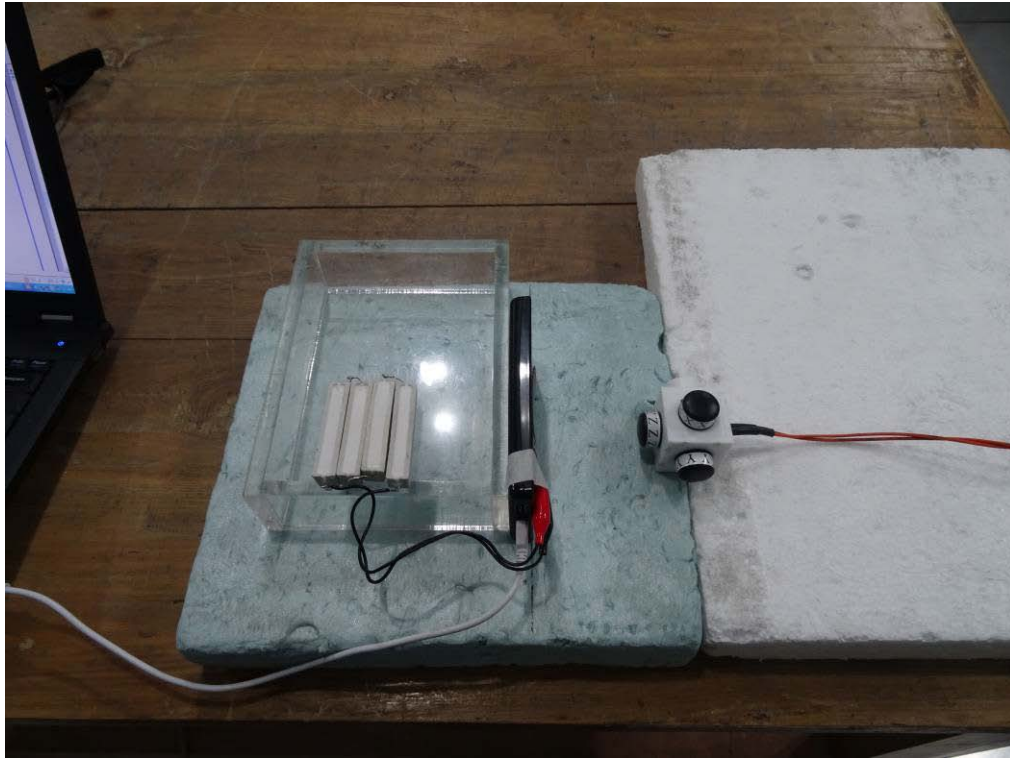
RF expousre evaluation: Right Side



RF expousre evaluation: Front side



RF expousre evaluation: Rear Side



RF expousre evaluation: Top side



RF expousre evaluation: Bottom Side

Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

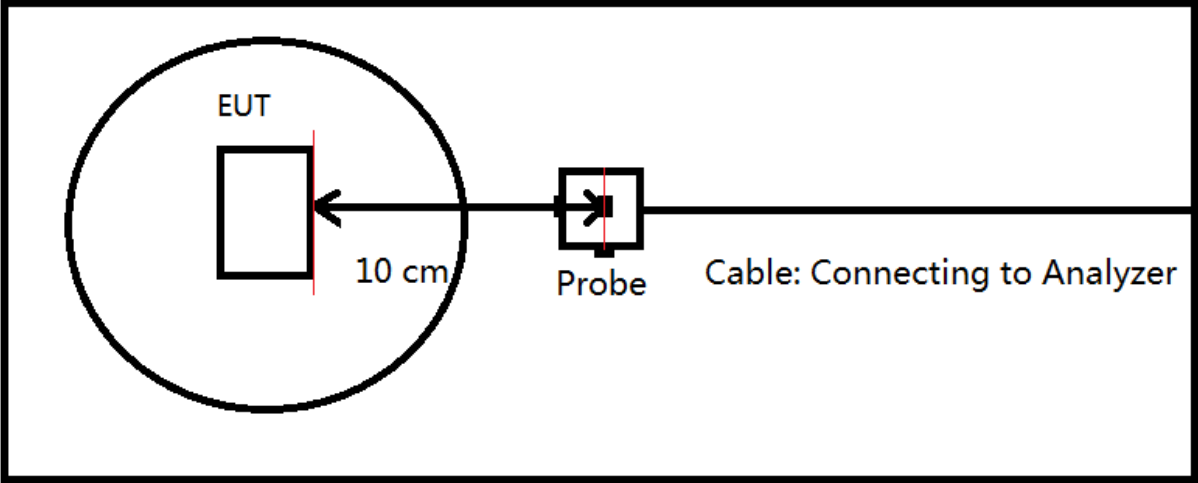
EUT TEST CONDITIONS

Annex C. i. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

Equipment Description (Including Brand Name)	Model & Serial Number	Cable Description (List Length, Type & Purpose)
Wireless Receiver	JWD-1301A	N/A
Resistance	5ohm	N/A

Block Configuration Diagram for Electrical and Magnetic Field Strength
Mode: Charging



Annex C. ii. EUT OPERATING CONDITIONS

The following is the description of how the EUT is exercised during testing.

Test	Description Of Operation
Emissions	Charging

Annex D. USER MANUAL / BLOCK DIAGRAM / SCHEMATICS / PART LIST

Please see attachment

Annex E. DECLARATION OF SIMILARITY

N/A