

**TEST REPORT**  
for  
Guangdong Zhaoqing L&V Co., Ltd.

Helios Charging Disc  
Model No.: LVWLC104111

Prepared for : Guangdong Zhaoqing L&V Co., Ltd.  
Address : 21 Yingbing Road, Zhaoqing Hi-Tech, Guangdong, China

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Date of Report : January 31, 2013

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## Test Report Certification

Applicant : Guangdong Zhaoqing L&V Co., Ltd.  
 Manufacturer : Guangdong Zhaoqing L&V Co., Ltd.  
 Product : Helios Charging Disc  
 Model No. : LVWLC104111  
 EUT Description : DC 19V/0.52A (Power by adapter)

Measurement Procedure Used:

**FCC CFR 47 part1, 1.1307(c) and (d), 1.1310**

The device described above is tested by Accurate Technology Co., Ltd. The measurement results are contained in this test report and Accurate Technology Co., Ltd. is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC CFR 47 part1, 1.1307(c) and (d), 1.1310 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Accurate Technology Co., Ltd.

Date of Test : January 22-31, 2013

Apple Lv

(Engineer)

Prepared by : Apple Lv

Henry

(Manager)

Approved & Authorized Signer : Henry

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

EUT : Helios Charging Disc  
 Model Number : LVWLC104111  
 Power Supply Adapter : DC 19V/0.52A (Power by adapter)  
 : M/N: PS12K1900520UE  
 : Input: AC 100-240V; 50/60Hz 0.35A  
 : Output: DC 19V/520mA  
 : Output line: Non-shielded, Non-detachable, 1.8m  
 with a ferrite core  
 Coil Information : Please see the annex document  
 Operation Frequency : 137.2-158.0KHz  
 Applicant : Guangdong Zhaoqing L&V Co., Ltd.  
 Address : 21 Yingbing Road, Zhaoqing Hi-Tech, Guangdong, China  
 Manufacturer : Guangdong Zhaoqing L&V Co., Ltd.  
 Address : 21 Yingbing Road, Zhaoqing Hi-Tech, Guangdong, China  
 Date of sample received : January 22, 2013  
 Date of Test : January 22-31, 2013

### 1.2. Special Accessory and Auxiliary Equipment

iPhone 4S : Manufacturer: Apple  
 : Model: MD235ZP/A  
 : Serial No.: C8PJR7XCDTC0

### 1.3. Description of Test Facility

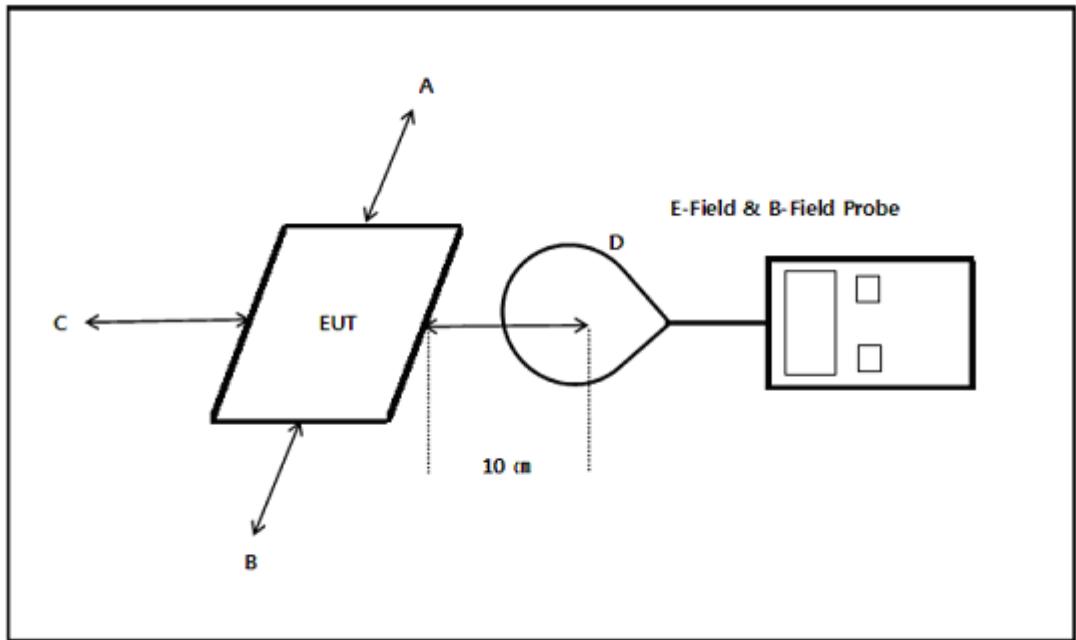
- EMC Lab : Accredited by TUV Rheinland Shenzhen  
Listed by FCC  
The Registration Number is 752051
- Listed by Industry Canada  
The Registration Number is 5077A-2
- Accredited by China National Accreditation Committee  
for Laboratories  
The Certificate Registration Number is L3193
- Name of Firm : ACCURATE TECHNOLOGY CO. LTD  
Site Location : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.  
Science & Industry Park, Nanshan, Shenzhen, Guangdong  
P.R. China

## 2. LIST OF TEST AND MEASUREMENT INSTRUMENTS

Item	Equipment	Manufacturer	Model	Serial no.	Calibrated date	Calibrated until
1.	Magnetic field probe 100cm <sup>2</sup>	NARDA	2300/90.10	B-0137	Jan. 12, 2013	Jan. 11, 2014
2.	Exposure level tester	NARDA	2304/03	B-0138	Jan. 12, 2013	Jan. 11, 2014
3.	Isotropic Electric Field Probe	ETS Lindgren	HI-6005	0008696 8	Jan. 12, 2013	Jan. 11, 2014

### 3. TEST RESULT

#### 3.1. Test Setup



Note:

- The RF exposure test is performed in the shield room.
- The test distance is between the edge of the charge and the geometric center of probe.
- The iPhone 4S with specific receiver being charged by the transmitter during the field measurements.

3.2.Environmental evaluation and exposure limit according to FCC CFR 47  
part1, 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 as specified in 1.1307(c) and (d)

**LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)**

Frequency Range (MHz)	Electric Field Strength(V/m)	Magnetic Field Strength (A/m)	Power Density (Mw/cm)	Average Time (minutes)
(A) Limits for Occupational/Control Exposures				
0.3-3.0	614	1.63	*(100)	6
(B)Limits for general Population/ Uncontrol Exposures				
0.3-1.34	614	1.63	*(100)	30

\*=Plane wave equivalent power density

### 3.3. E and H field strength

Test Mode: Normal Operation (Charging mode)

#### 3.3.1. E-Filed Strength at 10 cm from the edges surrounding the EUT

Frequency Range (MHz)	Probe Position A (V/m)	Probe Position B (V/m)	Probe Position C (V/m)	Probe Position D (V/m)	Limits (V/m)
0.137.2~0.158	5.16	5.13	5.19	5.15	614.0

#### 3.3.2. H-Field Strength at 10 cm from the edges surrounding the EUT

Frequency Range (MHz)	Probe Position A (A/m)	Probe Position B (A/m)	Probe Position C (A/m)	Probe Position D (A/m)	Limits (A/m)
0.137.2~0.158	0.187	0.180	0.185	0.189	1.630