

**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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Report Number : ATE20130239  
Date of Test : January 22-31, 2013  
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/0.5A (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

Prepared by :

Apple Lv

(Engineer)

Approved & Authorized Signer :

Heimle

(Manager)

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

EUT	:	Helios Charging Disc
Model Number	:	LVWLC104111
Power Supply	:	DC 19V/0.50A (Power by adapter)
Adapter	:	M/N: E305917 Input: AC 100-240V; 50/60Hz 350mA Output: DC 19V/500mA Output line: Non-shielded, Non-detachable, 1.55m 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
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### 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

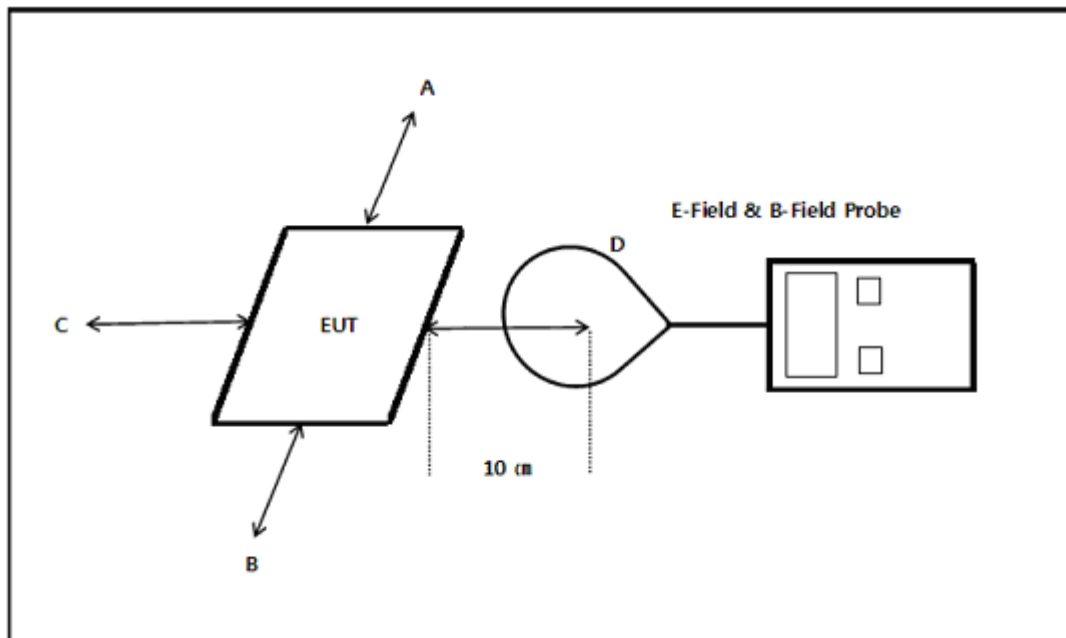
Site Location : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.  
Science & Industry Park, Nanshan, Shenzhen, Guangdong  
P.R. China

## 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	5.12	5.09	5.14	5.11	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	0.183	0.181	0.182	0.184	1.630