

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



(Engineer)

Prepared by : Apple Co.

(Engineer)

Approved & Authorized Signer : Apple Co.

(Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT : Helios Charging Disc
 Model Number : LVWLC104111
 Power Supply Adapter : DC 19V/0.50A (Power by 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

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

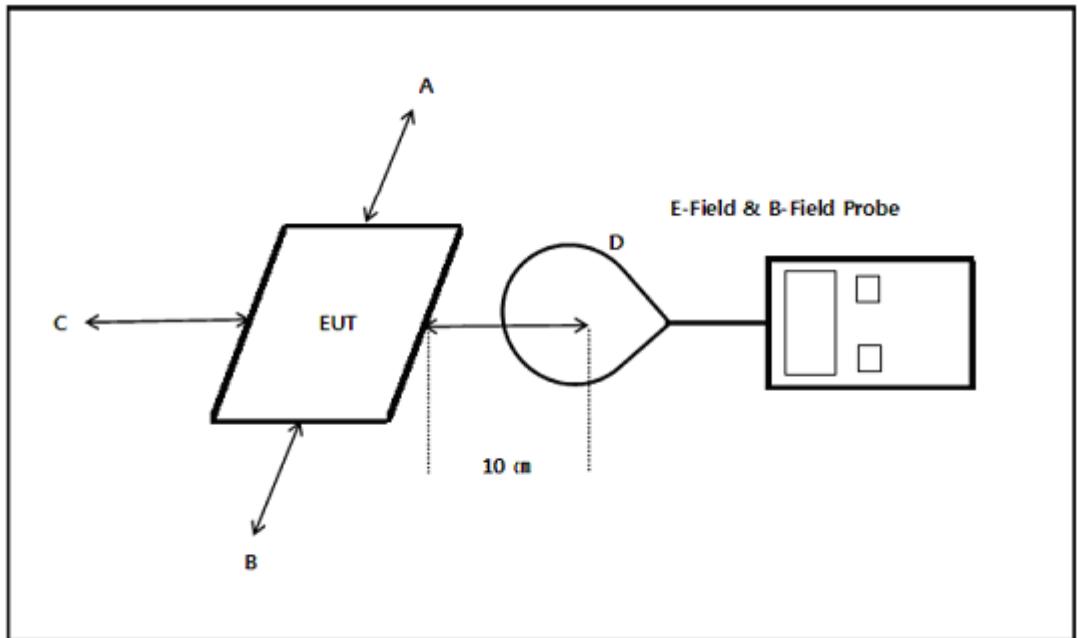
Name of Firm : ACCURATE TECHNOLOGY CO. LTD
Site Location : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.
Science & Industry Park, Nanshan, Shenzhen, Guangdong
P.R. China

2. LIST OF TEST AND MEASUREMENT INSTRUMENTS

Item	Equipment	Manufacturer	Model	Serial no.	Calibrated date	Calibrated until
1.	Magnetic field probe 100cm ²	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