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## TEST REPORT

Applicant: ConvenientPower HK Limited  
706-707,7/F., Bio- Informatics Centre,  
2 Science Park West Avenue,  
HK Science Park, Shatin,  
N.T., Hong Kong

Number: 15100471HKG-003

Date: 02 Dec 2015

### Sample Description

Product : Wireless Charger For Furniture

Brand Name : ZENS

Model No. : ZETC03N/00

Electrical Rating : 100-240VAC

Adaptor : Model: S012BEU1200100 (provided by applicant)  
Input: 100-240VAC 50/60Hz  
Output: 12VDC 1000mA

Date Received : 14 Oct 2015

Date Test Conducted : 14 Oct 2015 to 30 Nov 2015

Test Requested : Test for compliance with evaluation of environmental impact of human exposure to radiofrequency (RF) radiation according to FCC CFR47 Part 1 – 1.1307 and 1.1310

Test Method : Magnetic field strength (A/m) and Electric field strength (V/m) measurement

Applied Limit : Limit for Maximum Permissible Exposure (MPE)

Test Result : **Pass**

Note : N/A

Remark : N/A

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Prepared and checked by:

Chow Chi Ming, Billy  
Manager

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### Magnetic field strength (A/m) and Electric field strength (V/m) measurement (0.3 – 3.0MHz)

#### 1. Equipment

Equipment No.	Equipment	Manufacturer	Model No.	Serial No.
EW-2193	Exposure Level Meter	Narda Safety	ETL-400	H-0035

#### 2. Applicable Limit

**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 <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposures</b>				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f <sup>2</sup> )	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
<b>0.3-1.34</b>	<b>614</b>	<b>1.63</b>	<b>*(100)</b>	<b>30</b>
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

Note: f denotes for frequency in MHz

\* denotes for plane-wave equivalent power density

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### 3. Result

#### Magnetic Field (H-Field) strength at 10cm from the boundaries of the EUT

Test Mode: Charging			
	Measuring Distance (cm)	Magnetic Field (A/m)	Limit
Measurement point 1	10	0.338	1.63 A/m
Measurement point 2	10	0.308	
Measurement point 3	10	0.318	
Measurement point 4	10	0.377	
Measurement point 5	10	0.335	
Measurement point 6	10	0.328	

#### Calculated Electric Field (E-Field) strength at 10cm from the boundaries of the EUT

Test Mode: Charging			
	Measuring Distance (cm)	Electric Field (A/m)	Limit
Measurement point 1	10	127.426	614 V/m
Measurement point 2	10	116.116	
Measurement point 3	10	119.886	
Measurement point 4	10	142.129	
Measurement point 5	10	126.295	
Measurement point 6	10	123.656	

Note:

1. The impedance of free space, which is equal to 377 Ohms.

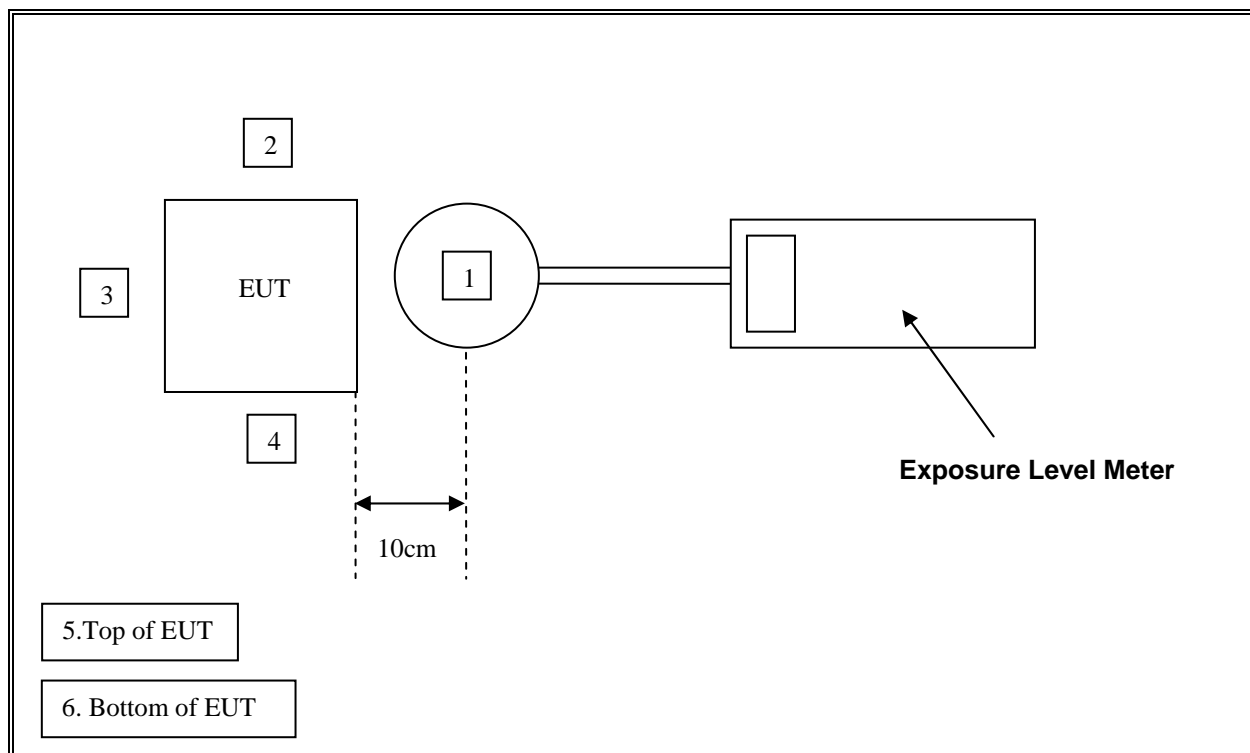
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### 4. Test set-up



### 5. Test Summary:

	Distance	Field Strength	Limit	Pass/Fail
<b>Worst Case Magnetic Field</b>	10cm	0.377 A/m	1.63A/m	Pass
<b>Worst Case Electric Field</b>	10cm	142.129 V/m	614V/m	Pass

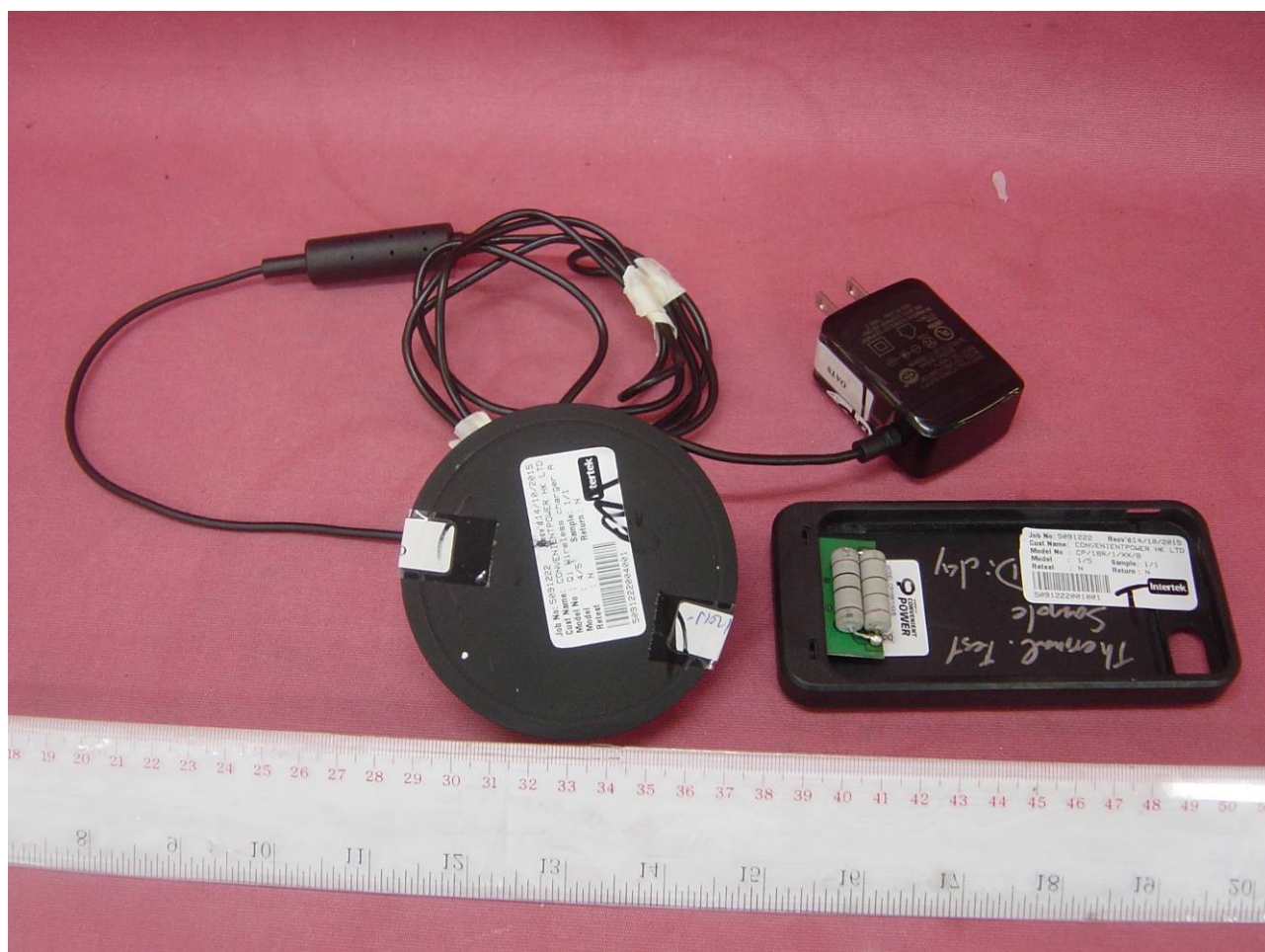
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### 6. Equipment Under Test (EUT) Outlook Photograph:



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