

• •			ver HK Limited	Number:	15100471HKG-003
	2 Science	Park ce Pa	Bio- Informatics Centre, West Avenue, Irk, Shatin, Ng	Date:	02 Dec 2015
Sample Descrip	otion				
Product		:	Wireless Charger For Furniture		
Brand Name		:	ZENS		
Model No.		:	ZETC03N/00		
Electrical Rating:100-240VACAdaptor:Model: S012BEU1200100 (provided by applicant)					
Adaptor		:	Model: S012BEU1200100 (provided by Input: 100-240VAC 50/60Hz Output: 12VDC 1000mA	applicant)	
Date Received		:	14 Oct 2015		
Date Test Cond	lucted	:	14 Oct 2015 to 30 Nov 2015		
Test Requested	est Requested : Test for compliance with evaluation of environmental impact of hum exposure to radiofrequency (RF) radiation according to FCC CFR Part 1 – 1.1307 and 1.1310				-
Test Method		:	Magnetic field strength (A/m) and measurement	Electric fi	eld strength (V/m)
Applied Limit		:	Limit for Maximum Permissible Exposur	e (MPE)	
Test Result		:	Pass		
Note		:	N/A		
Remark			N/A		

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 ²)	Averaging time (minutes)		
(A) Limits for Occupational/Controlled Exposures						
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		
300-1500			f/300	6		
1500-100,000			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		
300-1500			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		
Measurement point 2	10	0.308		
Measurement point 3	10	0.318	1.63 A/m	
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	
Measurement point 2	10	116.116	
Measurement point 3	10	119.886	614 V/m
Measurement point 4	10	142.129	
Measurement point 5	10	126.295	
Measurement point 6	10	123.656	

Note:

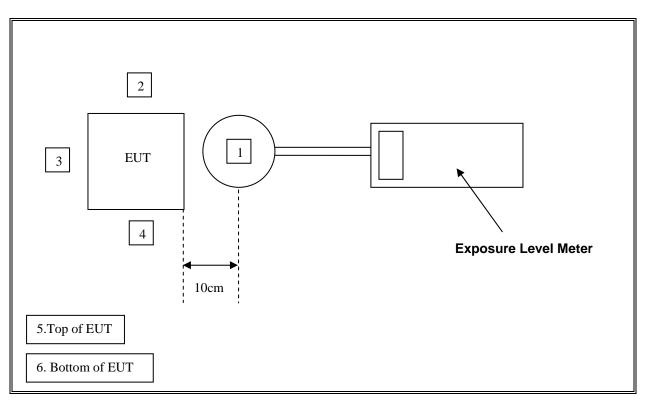
1. The impedance of free space, which is equal to 377 Ohms.



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4. Test set-up



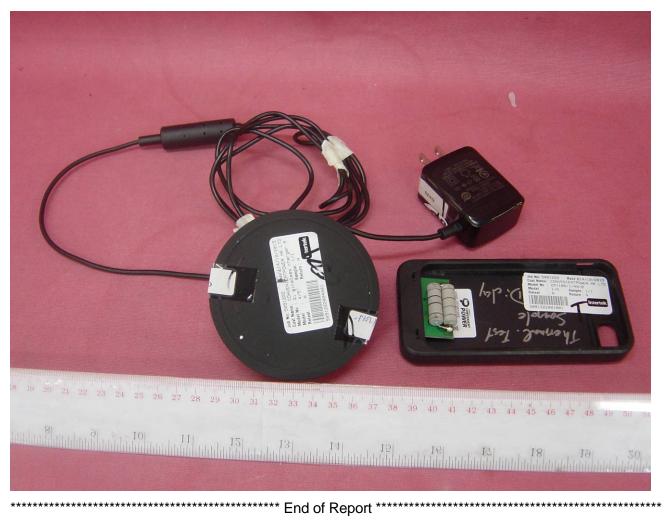
5. Test Summary:

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



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6. Equipment Under Test (EUT) Outlook Photograph:



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