

TEST REPORT

Applicant: Jackson Electric Co., Ltd.
18/F., China Aerospace Centre,
143 Hoi Bun Road, Kwun Tong,
Kowloon, Hong Kong.

Number: 13120567HKG-003

Date: 14 Feb 2014

Sample Description

Product : Wireless Portable Charger

Brand Name : Sony

Model No. : CP-W5

Electrical Rating : 100 - 240VAC, 50 / 60Hz

Adaptor : Model: CP-AD2,
Input: 100-240VAC 50/60Hz,
Output: 5VDC 2.1A

Date Received : 12 Feb 2014

Date Test Conducted : 13 Feb 2014

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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TEST REPORT

Applicant / Company: Jeckson Electric Co., Ltd.

Report No.: 13120567HKG-003

Model: CP-W5

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
EW-2508	RF Electric Field Probes	EMCO	HI-6105USB	00090198

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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Model: CP-W5

3. Result

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

Test Mode: Charging (without adaptor)			
	Measuring Distance	Magnetic Field	Limit
Measurement point 1	10cm	0.73	1.63 A/m
Measurement point 2	10cm	0.90	
Measurement point 3	10cm	0.98	
Measurement point 4	10cm	0.82	
Measurement point 5	10cm	0.87	
Measurement point 6	10cm	1.03	

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

Test Mode: Charging (without adaptor)			
	Measuring Distance	Electric Field	Limit
Measurement point 1	10cm	3.00	614 V/m
Measurement point 2	10cm	4.27	
Measurement point 3	10cm	2.90	
Measurement point 4	10cm	3.94	
Measurement point 5	10cm	5.40	
Measurement point 6	10cm	5.61	

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3. Result

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

Test Mode: Charging (with adaptor)			
	Measuring Distance	Magnetic Field	Limit
Measurement point 1	10cm	0.89	1.63 A/m
Measurement point 2	10cm	0.83	
Measurement point 3	10cm	1.05	
Measurement point 4	10cm	0.97	
Measurement point 5	10cm	0.90	
Measurement point 6	10cm	1.07	

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

Test Mode: Charging (with adaptor)			
	Measuring Distance	Electric Field	Limit
Measurement point 1	10cm	3.11	614 V/m
Measurement point 2	10cm	4.59	
Measurement point 3	10cm	2.78	
Measurement point 4	10cm	3.93	
Measurement point 5	10cm	5.45	
Measurement point 6	10cm	5.76	

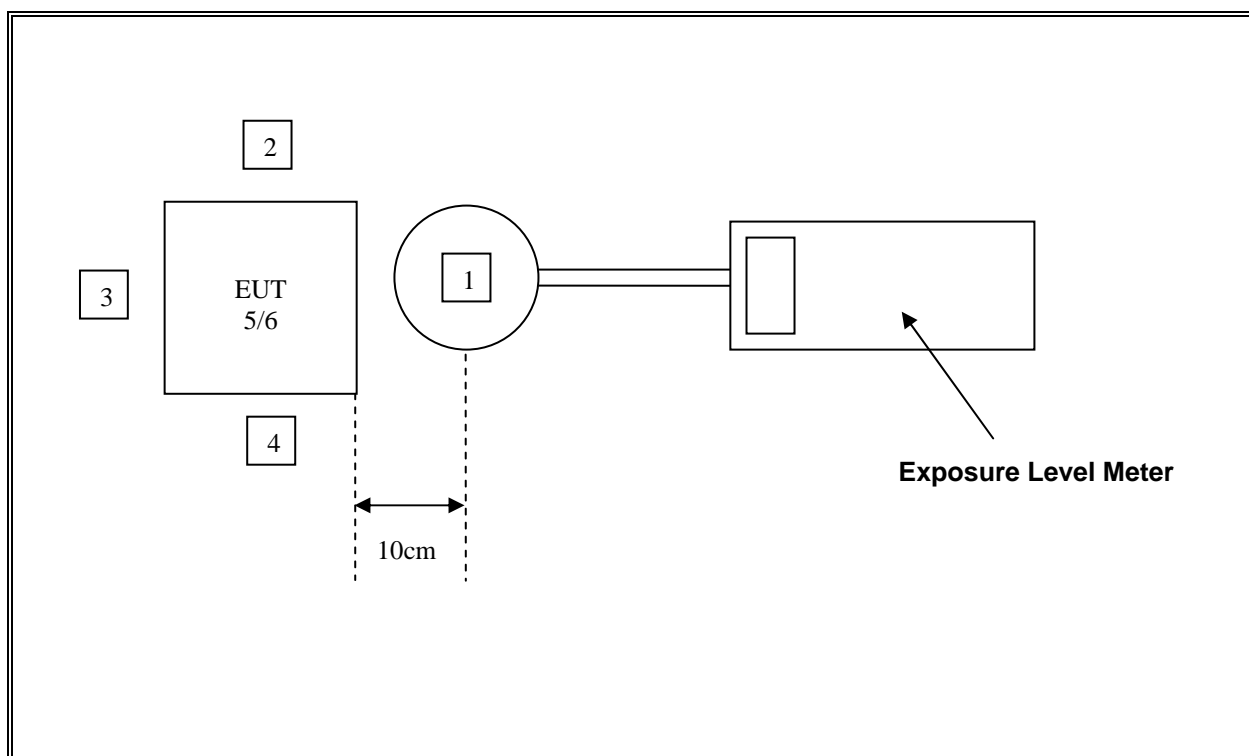
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4. Test set-up



Note: Position 5 (Top), Position 6 (bottom)

5. Test Summary:

Testing have been conducted with two operation modes (with and without connecting to adaptor), the worst cases were found while the product was connected with the adaptor.

	Distance	Field Strength	Limit	Pass/Fail
Worst Case Magnetic Field	10cm	1.07 A/m	1.63A/m	Pass
Worst Case Electric Field	10cm	5.76 V/m	614V/m	Pass

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6. Equipment Under Test (EUT) Outlook Photograph:



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