

# FCC RF Exposure Report

**FCC ID** : 2ABQNFSPWRP  
**Equipment** : Wireless Charging Pad  
**Model No.** : FSPW05-DTXN1  
(please refer to item 1.1.1 for more detail)  
**Brand Name** : FSP  
(please refer to item 1.1.1 for more detail)  
**Applicant** : FSP GROUP INC  
**Address** : 22 JIANGUO E RD TAOYUAN CITY, 330  
TAIWAN  
**Standard** : 47 CFR FCC Part 2.1091  
**Received Date** : Jan. 16, 2014  
**Tested Date** : Feb. 11 ~ Feb. 13, 2014

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Approved & Reviewed by:

  
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Gary Chang / Manager

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## Release Record

Report No.	Version	Description	Issued Date
FA411603	Rev. 01	Initial issue	Mar. 04, 2014
FA411603	Rev. 02	1. Add General Description (page 4). 2. Modified product name (page 1).	Mar. 05, 2014

# 1 General Description

## 1.1 Information

### 1.1.1 Product Details

The following models are provided to this EUT.

Brand Name	Model Name	Product Name	Description
FSP	FSPW05-DTXN1	Wireless Charging Pad	Marketing Purpose
Amacrox	AXW05-DTXN1	Wireless Charging Pad	
<div>✦ All models are electrically identical, different model names are for marketing purpose.</div> <div>✦ The above models, model <b>FSPW05-DTXN1</b> was selected as a representative one for the final test and only its data was recorded in this report.</div>			

## 2 RF EXPOSURE

Human exposure to RF emissions from mobile devices (47 CFR §2.1091) may be evaluated based on the MPE limits adopted by the FCC for electric and magnetic field strength and/or power density, as appropriate, since exposures are assumed to occur at distances of 20 cm or more from persons.

According to KDB 680106 D01 RF Exposure Wireless Charging Apps, RF exposure evaluation should be conducted assuming a user separation distance of 10 cm for devices designed for typical desktop applications. E and H field strength measurements or numerical modelling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair, with the 10 cm measured from the center of the probe(s) to the edge of the device

### 2.1 LIMITS FOR GENERAL POPULATION/UNCONTROLLED EXPOSURE

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW /cm <sup>2</sup> )	Averaging Time (minutes)
0.3 ~ 3.0	614	1.63	(100)*	30
3.0 ~ 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
1500~100000	-	-	1.0	30

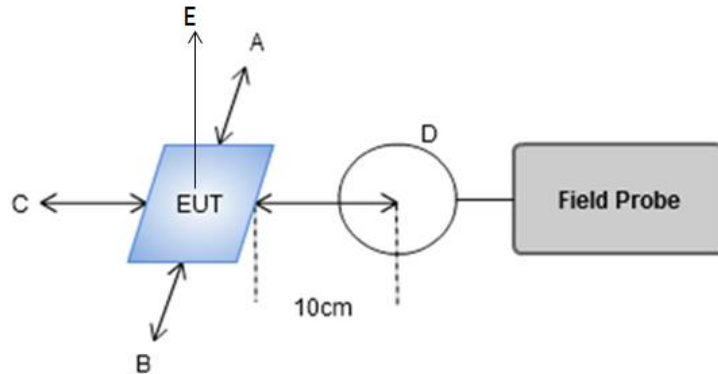
Note: f: Frequency in MHz

\*= Plane-wave equipment power density

### 2.2 THE EQUIPMENT LIST

Test Site	966 chamber 2 / (03CH02-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
B-Field Probe	Narda Safety Test Solutions GmbH	B-Field Probe 100 cm <sup>2</sup>	M-0652	Jun. 17, 2013	Jun. 16, 2014
Exposure Level Teste	Narda Safety Test Solutions GmbH	ELT-400	N-0210	Jun. 26, 2013	Jun. 25, 2014
Probe EF	Narda Safety Test Solutions GmbH	0391 E-Field	D-0667	Jun. 24, 2013	Jun. 23, 2014
Broadband Field Meter	Narda Safety Test Solutions GmbH	NBM-550	E-0847	Jun. 07, 2013	Jun. 06, 2014
Note: Calibration Interval of instruments listed above is one year.					

## 2.3 TEST SETUP



## 2.4 MPE EVALUATION RESULTS

### Electric Field Strength Measurement

Measured Side	Distance (cm)	Measured Value (V/m)	30 % of Limit (V/m)	Limit (V/m)
A	10	0.57	184.2	614
B	10	0.75	184.2	614
C	10	0.61	184.2	614
D	10	0.71	184.2	614
E	10	1.58	184.2	614

### Magnetic Field Strength Measurement

Measured Side	Distance (cm)	Measured Value (A/m)	30 % of Limit (A/m)	Limit (A/m)
A	10	0.292	0.489	1.63
B	10	0.054	0.489	1.63
C	10	0.288	0.489	1.63
D	10	0.292	0.489	1.63
E	10	0.234	0.489	1.63

Note: This test configuration is charging under <1% battery status of cellphone.

### 3 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp, it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan Hsiang. Location map can be found on our website <http://www.icertifi.com.tw>.

#### **Linkou**

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No. 30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan, R.O.C.

#### **Kwei Shan**

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If you have any suggestion, please feel free to contact us as below information

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