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# RF EXPOSURE REPORT

**REPORT NO.:** SA130726C18

**MODEL NO.:** DPH-154

**FCC ID:** LDKDPH150856

**RECEIVED:** Jul. 14, 2013

**ISSUED:** Sep. 24, 2013

**APPLICANT:** Cisco Systems, Inc

**ADDRESS:** 170 Tasman Drive, San Jose, CA95134, USA

**ISSUED BY:** Bureau Veritas Consumer Products Services  
(H.K.) Ltd., Taoyuan Branch

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA130726C18	Original release	Sep. 24, 2013



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## 1. CERTIFICATION

**PRODUCT:** Femtocell  
**MODEL NO.:** DPH-154  
**BRAND:** Cisco  
**APPLICANT:** Cisco Systems, Inc  
**TEST SAMPLE:** Production Unit  
**P/N:** SC-DPH154-4U-ATT  
**STANDARDS:** **FCC Part 2 (Section 2.1091)**  
**FCC OET Bulletin 65, Supplement C (01-01)**  
**IEEE C95.1**

The above equipment (model: DPH-154) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**PREPARED BY :** Vera Huang , **DATE :** Sep. 24, 2013  
Vera Huang / Specialist  
**APPROVED BY :** Gordon Lin , **DATE :** Sep. 24, 2013  
Gordon Lin / Assistant Manager

## 2. RF EXPOSURE

### 2.1 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> )	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

### 2.2 MPE CALCULATION FORMULA

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = output power to antenna in mW

G = gain of antenna in linear scale

$\pi$  = 3.1416

R = distance between observation point and center of the radiator in cm

### 2.3 CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

This product is a single radio device, so no simultaneous transmission of this product.

### 2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

Frequency Band (MHz)	Conducted Avg. Power (dBm)	Antenna Gain (dBi)	E.I.R.P. (mW)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
WCDMA Band II	21	2.96	248.89	0.050	1.00
WCDMA Band V	21	2.5	223.87	0.045	0.55