



# RF EXPOSURE REPORT

**REPORT NO.:** SA120507C13

**MODEL NO.:** 8001 3G CRADLE

**FCC ID:** Q3N-80013GC

**RECEIVED:** May 06, 2012

**TESTED:** May 15 ~ May 31, 2012

**ISSUED:** Jun. 14, 2012

**APPLICANT:** CIPHERLAB CO., LTD

**ADDRESS:** 12F, 333 Dunhua S. Rd., Sec.2 Taipei, Taiwan  
106

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

**LAB ADDRESS:** No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist.,  
New Taipei City, Taiwan, R.O.C.

**TEST LOCATION:** No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei  
Shan Hsiang, Taoyuan Hsien 333, Taiwan,  
R.O.C.

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA120507C13	Original release	Jun. 14, 2012



## 1. CERTIFICATION

**PRODUCT:** CRADLE  
**MODEL:** 8001 3G Cradle  
**BRAND:** CIPHERLAB  
**APPLICANT:** CIPHERLAB CO., LTD  
**TESTED:** May 15 ~ May 31, 2012  
**TEST SAMPLE:** ENGINEERING SAMPLE  
**STANDARDS:** **FCC Part 2 (Section 2.1091)**  
**FCC OET Bulletin 65, Supplement C (01-01)**  
**IEEE C95.1**

The above equipment (Model: 8001 3G Cradle) 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 :** , **DATE:** Jun. 14, 2012  
Polly Chien / Specialist

**APPROVED BY :** , **DATE:** Jun. 14, 2012  
Gary Chang / Technical 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)
<b>LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE</b>				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

### 2.2 MPE CALCULATION FORMULA

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

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**.

## 2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

### FCC Part 22

MODE	FREQUENCY BAND (MHz)		EIRP (dBm)	EIRP (dBm)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
	START	STOP					
GPRS	824.2	848.8	30.11	32.26	20	0.335	0.549
EDGE	824.2	848.8	24.04	26.19	20	0.083	0.550
WCDMA	826.4	846.6	21.04	23.19	20	0.041	0.551

### FCC Part 24

MODE	FREQUENCY BAND (MHz)		EIRP (dBm)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
	START	STOP				
GPRS	1850.2	1909.8	31.47	20	0.279	1
EDGE	1850.2	1909.8	27.64	20	0.116	1
WCDMA	1852.4	1907.6	26.96	20	0.099	1

### FCC Part 27

MODE	FREQUENCY BAND (MHz)		EIRP (dBm)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
	START	STOP				
WCDMA	1712.4	1752.6	27.11	20	0.102	1