

## RF Exposure Report

**Report No.:** SA150121C18A

**FCC ID:** Q3N-3GC-8001

**Test Model:** 3GC-8001

**Received Date:** Jan. 01, 2015

**Test Date:** Jan. 21 ~ Jun. 24, 2015

**Issued Date:** Jul. 01, 2015

**Applicant:** CIPHERLAB CO., LTD

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

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### Release Control Record

Issue No.	Description	Date Issued
SA150121C18A	Original release	Jul. 01, 2015

## 1 Certificate of Conformity

**Product:** CRADLE

**Brand:** CIPHERLAB

**Test Model:** 3GC-8001

**Sample Status:** Engineering sample

**Applicant:** CIPHERLAB CO., LTD

**Test Date:** Jan. 21 ~ Jun. 24, 2015

**Standards:** FCC Part 2 (Section 2.1091)

KDB 447498 D03

IEEE C95.1

The above equipment 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 :** Celine Chou , **Date:** Jul. 01, 2015  
Celine Chou / Specialist

**Approved by :** Bruce Chen , **Date:** Jul. 01, 2015  
Bruce Chen / Project Engineer

## 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**.

## 3 Calculation Result Of Maximum Conducted Power

Frequency Band (MHz)	ERP (dBm)	EIRP (dBm)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
GPRS: 824.2MHz ~ 848.8MHz	27.30	29.45	20	0.175	0.550
WCDMA: 826.4MHz ~ 846.6MHz	19.52	21.67	20	0.029	0.551

Note: EIRP = ERP + 2.15

Frequency Band (MHz)	EIRP (dBm)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
GPRS: 1850.2MHz ~ 1909.8MHz	30.84	20	0.241	1
WCDMA: 1852.4MHz ~ 1907.6MHz	24.05	20	0.051	1

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