

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 ²)	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/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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 ²)	Limit (mW/cm ²)
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 ²)	Limit (mW/cm ²)
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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