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# RF EXPOSURE REPORT

**REPORT NO.:** SA130923D14

**MODEL NO.:** DC-NU2-UMPC

**FCC ID:** 2AA69001

**RECEIVED:** Sep. 23, 2013

**TESTED:** Sep. 24 ~ Oct. 24, 2013

**ISSUED:** Oct. 25, 2013

**APPLICANT:** Capsule Technologie SAS

**ADDRESS:** 9 villa Pierre Ginier 75018 Paris, France

**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.

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## RELEASE CONTROL RECORD

| ISSUE NO.   | REASON FOR CHANGE | DATE ISSUED   |
|-------------|-------------------|---------------|
| SA130923D14 | Original release  | Oct. 25, 2013 |



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## 1. CERTIFICATION

**PRODUCT:** Neuron 2

**BRAND NAME:** Capsule

**MODEL NO.:** DC-NU2-UMPC

**APPLICANT:** Capsule Technologie SAS

**TESTED:** Sep. 24 ~ Oct. 24, 2013

**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 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 :** Annie Chang , **DATE:** Oct. 25, 2013  
( Annie Chang / Supervisor )

**APPROVED BY :** Rex Lai , **DATE:** Oct. 25, 2013  
( Rex Lai / Assistant Manager )



## 2. RF EXPOSURE LIMIT

### 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

## 3. 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

## 4. 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**.

## 5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

| FREQUENCY BAND (MHz) | MAX POWER (dBm) | ANTENNA GAIN (dBi) | DISTANCE (cm) | POWER DENSITY (mW/cm <sup>2</sup> ) | LIMIT (mW/cm <sup>2</sup> ) |
|----------------------|-----------------|--------------------|---------------|-------------------------------------|-----------------------------|
| 2412 ~ 2462          | 21.47           | 2                  | 20            | 0.0442                              | 1.00                        |
| 5180 ~ 5240          | 15.86           | 2                  | 20            | 0.0122                              | 1.00                        |
| 2460 ~ 5320          | 15.78           | 2                  | 20            | 0.0119                              | 1.00                        |
| 5500 ~ 5700          | 15.53           | 2                  | 20            | 0.0113                              | 1.00                        |
| 5745 ~ 5825          | 21.01           | 2                  | 20            | 0.0398                              | 1.00                        |

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