# 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 |

# 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)<br>FCC OET Bulletin 65, Supplement C (01-01)<br>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 ($mW/cm^2$) | AVERAGE TIME (minutes) |
|---|---|---|---|---|
| **LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE** | | | | |
| 300-1500 | … | … | F/1500 | 30 |
| 1500-100,000 | … | … | 1.0 | 30 |

F = Frequency in MHz

## 3. MPE CALCULATION FORMULA

Pd = (Pout*G) / (4*pi*r2)

where

Pd = power density in mW/cm2

Pout = 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 ($mW/cm^2$) | LIMIT ($mW/cm^2$) |
|---|---|---|---|---|---|
| 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 |

**--- END ---**