

## RF Exposure Report

**Report No.:** SA130923D14B

**FCC ID:** 2AA69002

**Test Model:** DC-NU2-UMPC

**Received Date:** Jan. 05, 2015

**Test Date:** Jan. 10 ~ Feb. 04, 2015

**Issued Date:** Feb. 09, 2015

**Applicant:** Capsule Technologie SAS

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

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

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**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.	Description	Date Issued
SA130923D14B	Original release	Feb. 09, 2015

## 1 Certificate of Conformity

**Product:** SmartLinx Neuron 2

**Brand:** Capsule

**Test Model:** DC-NU2-UMPC

**Sample Status:** MASS-PRODUCTION

**Applicant:** Capsule Technologie SAS

**Test Date:** Dec. 27, 2014 ~ Jan. 19, 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 :**



**Date:**

Feb. 09, 2015

Pettie Chen / Senior Specialist

**Approved by :**



**Date:**

Feb. 09, 2015

Ken Liu / Senior 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)
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)	Modulation Mode	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
2412-2462	802.11b	17.43	2	20	0.017	1
	802.11g	22.26	2	20	0.053	1
	802.11n (20MHz)	22.10	5.01	20	0.102	1
	802.11n (40MHz)	22.73	5.01	20	0.118	1
5180-5240	802.11a	15.34	2	20	0.011	1
	802.11n (20MHz)	13.13	5.01	20	0.013	1
	802.11n (40MHz)	13.18	5.01	20	0.013	1
5260-5320	802.11a	15.49	2	20	0.011	1
	802.11n (20MHz)	13.36	5.01	20	0.014	1
	802.11n (40MHz)	13.45	5.01	20	0.014	1
5500-5700	802.11a	15.27	2	20	0.011	1
	802.11n (20MHz)	13.86	5.01	20	0.015	1
	802.11n (40MHz)	13.37	5.01	20	0.014	1
5745-5825	802.11a	15.30	2	20	0.011	1
	802.11n (20MHz)	13.97	5.01	20	0.016	1
	802.11n (40MHz)	13.36	5.01	20	0.014	1

NOTE:

802.11n(20MHz)/ 802.11n(40MHz): Directional gain = 2dBi + 10log(2) = 5.01dBi

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