

## RF Exposure Report

**Report No.:** SA150508D02

**FCC ID:** Y9E-IAD18002

**Model No.:** WL-211

**Received Date:** May 8, 2015

**Test Date:** May 18 ~ 19, 2015

**Issued Date:** Jun. 3, 2015

**Applicant:** IAdea Corporation

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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
SA150508D02	Original release.	Jun. 3, 2015



## 1 Certificate of Conformity

**Product:** Wi-Fi SIP Module

**Brand:** IAdea

**Model No.:** WL-211

**Sample Status:** Engineering sample

**Applicant:** IAdea Corporation

**Test Date:** May 18 ~ 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.

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Annie Chang / Supervisor

**Approved by :** Rex Lai , **Date:** Jun. 3, 2015  
Rex Lai / Assistant Manage

## 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

$$Pd = (Pout * G) / (4 * pi * r^2)$$

where

Pd = power density in mW/cm<sup>2</sup>

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

### 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)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
2412-2462	22.34	1.52	20	0.0484	1

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