



BUREAU VERITAS

Test Report No.: SA121105N031



# RF EXPOSURE REPORT



Applicant	Unicorn Information System
Address	8F Hanla Sigma Valley 442-2 Sangdaewon-dong, Seongnam Si Jungwon-gu, Gyeonggi-Do, Korea

Manufacturer or Supplier	Unicorn Information System
Address	8F Hanla Sigma Valley 442-2 Sangdaewon-dong, Seongnam Si Jungwon-gu, Gyeonggi-Do, Korea
Product	Lancard
Brand Name	Unicorn
Model	DW-220U
Additional Model & Model Difference:	N/A
Date of tests	Nov. 06 ~ Nov. 15, 2012

the tests have been carried out according to the requirements of the following standards:

- FCC Part 2 (Section 2.1091)
- FCC OET Bulletin 65, Supplement C (01-01)
- IEEE C95.1

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Reviewed by Glyn he Supervisor / EMC Department	Approved by Sam Tung Manager / EMC Department
	  Date: Nov. 16, 2012

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA121105N031	Original release	Nov. 16, 2012

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## 1. CERTIFICATION

**PRODUCT:** Lancard

**MODEL:** DW-220U

**BRAND:** Unicorn

**APPLICANT:** Unicorn Information System

**TESTED:** Nov. 14, 2012

**TEST SAMPLE:** ENGINEERING SAMPLE

**STANDARDS:** FCC Part 2 (Section 2.1091)

FCC OET Bulletin 65, Supplement C (01-01)

**IEEE C95.1**



## 2. RF Exposure Limit

### LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE

the output power is  $\leq 60/f(\text{GHz}) \text{ mW}$

## 3. Calculation Formula

$$\text{Limit(mW)}=60/F_{(\text{GHz})}$$

$$F = 2.4835\text{GHz}$$

$$\text{Limit}=60/2.4835=24.16\text{mW}$$

## 4. Classification

The antenna of this product, under normal use condition, is less than 20cm from the body of the user. So, this device is classified as **Portable Device**.

## 5. CALCULATION RESULT OF EIRP AND CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	EIRP (mW)	LIMIT (MW)
802.11b Max 2437MHz	12.47	1.0	<20	22.23	24.16
802.11g Max 2412MHz	12.57	1.0	<20	22.75	24.16
802.11n 20MHz Max 2412MHz	12.57	1.0	<20	22.75	24.16
802.11n 40MHz Max 2422MHz	12.67	1.0	<20	23.28	24.16