Test Lab
Cert 2951.01

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
Glyn	Date: Nov. 16, 2012

Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch

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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

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2. RF Exposure Limit

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE

the output power is ≤ 60/f(GHz) mW

3. Calculation Formula

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

F = 2.4835GHz

Limit=60/2.4835=24.16mW

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