

RF EXPOSURE REPORT

REPORT NO.: SA991207C23A

MODEL NO.: LM-WM860A

FCC ID: PD5-LMWM860A

ACCORDING: FCC Guidelines for Human Exposure
IEEE C95.1

APPLICANT: Delta Networks, Inc.

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333, Taiwan, R.O.C.

ISSUED BY: Bureau Veritas Consumer Products Services (H.K.)
Ltd., Taoyuan Branch

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Taipei Hsien 244, Taiwan, R.O.C.

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.	REASON FOR CHANGE	DATE ISSUED
Original release	N/A	May 20, 2011

1. CERTIFICATION

PRODUCT: 802.11 bgn RF Module

MODEL: LM-WM860A

BRAND: DNI

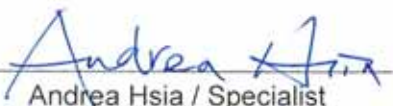
APPLICANT: Delta Networks, Inc.

TEST SAMPLE: ENGINEERING SAMPLE

TESTED: May 03 ~ May 16, 2011

STANDARDS: **FCC Guidelines for Human Exposure**
IEEE C95.1

The above equipment (Model: LM-WM860A) 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 : 
Andrea Hsia / Specialist , DATE: May 20, 2011

APPROVED BY : 
Gary Chang / Assistant Manager , DATE: May 20, 2011

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 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

2.2 MPE CALCULATION FORMULA

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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**.

2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

MODULATION MODE	FREQUENCY BAND (MHz)	MAX CONDUCTED POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
802.11b	2412-2462	22.5	5.85	20	0.136	1
802.11g	2412-2462	28.5	5.85	20	0.542	1
802.11n (20MHz)	2412-2462	28.7	2.84	20	0.284	1
802.11n (40MHz)	2422-2452	27.9	2.84	20	0.236	1

NOTE:

(802.11 b/g): Directional gain = 2.84dBi + 10log(2)=5.85dBi