



# RF EXPOSURE REPORT

**REPORT NO.:** SA990928E01A

**MODEL NO.:** GLM-300

**FCC ID:** XU8GLM300

**RECEIVED:** Aug. 23, 2012

**TESTED:** Sep. 04, 2012

**ISSUED:** Sep. 20, 2012

**APPLICANT:** TRENDnet, Inc

**ADDRESS:** 20675 Manhattan Place, Torrance, CA 90501 U.S.A.

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

**LAB ADDRESS:** No. 81-1, Lu Liao Keng, 9th Ling,Wu Lung Tsuen, Chiung  
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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA990928E01A	Original release	Sep. 20, 2012



## 1. CERTIFICATION

**PRODUCT:** Wireless N module  
**BRAND NAME:** TRENDnet  
**MODEL NO.:** GLM-300  
**TEST SAMPLE:** ENGINEERING SAMPLE  
**APPLICANT:** TRENDnet, Inc  
**TESTED DATE:** Sep. 04, 2012  
**STANDARDS:** FCC Part 2 (Section 2.1091)  
FCC OET Bulletin 65, Supplement C (01-01)  
IEEE C95.1

The above equipment (Model: GLM-300) 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:** Sep. 20, 2011  
(Lori Chung, Specialist)

**APPROVED BY** :  , **DATE:** Sep. 20, 2011  
(May Chen, Deputy Manager)

## 2. RF EXPOSURE LIMIT

### 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)
<b>LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE</b>				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

### 3. 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

### 4. 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**.

## 5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2412-2462	165.959	2.00	20	0.05233	1.00

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