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# RF EXPOSURE REPORT

**REPORT NO.:** SA110311C20

**MODEL NO.:** ESR7750G, SR7260, WBR4200RGN,  
WLR-5000 v1 001, WL-370 v1 001,  
WBR-5050

**FCC ID:** U2M-SR7260

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

**APPLICANT:** Senao Networks, Inc.

**ADDRESS:** 3F, No. 529, Chung Cheng Rd., Hsintien,  
Taipei, Taiwan, R.O.C.

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

**LAB ADDRESS:** No. 47, 14th Ling, Chia Pau Tsuen, Lin Kou  
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**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	NA	Apr. 13, 2011



## 1. CERTIFICATION

**PRODUCT:** Wireless concurrent dual band Gigabit Router 300N

**MODEL NO.:** ESR7750G, SR7260, WBR4200RGN,

WLR-5000 v1 001, WL-370 v1 001, WBR-5050

**BRAND:** EnGenius, Senao Networks, Sitecom, LG-ERICSSON

**APPLICANT:** Senao Networks, Inc.

**TEST SAMPLE:** ENGINEERING SAMPLE

**TESTED:** Mar. 25 ~ Apr. 08, 2011

**STANDARDS:** **FCC Guidelines for Human Exposure**

**IEEE C95.1**

The above equipment (Model: WLR-5000 v1 001) 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:** Apr. 13, 2011  
Ivy Lin / Specialist

**APPROVED BY** :  , **DATE:** Apr. 13, 2011  
Gary Chang / Assistant Manager



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## 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

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

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**.



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## 2.4 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	26.7	4.5	20	0.262	1
5180-5240	15.7	5.0	20	0.023	1
5745-5825	23.5	5.0	20	0.141	1