

RF EXPOSURE REPORT

REPORT NO.: SA110817C02

MODEL NO.: ECB7510

FCC ID: U2M-CB7510

RECEIVED: Aug. 17, 2011

TESTED: Aug. 22 ~ Oct. 28, 2011

ISSUED: Oct. 28, 2011

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 LOCATION: No. 47, 14th Ling, Chia Pau Vil., Lin Kou
Dist., New Taipei City, Taiwan (R.O.C.)

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA110817C02	Original release	Oct. 28, 2011

1. CERTIFICATION

PRODUCT: 300N Gigabit Dual Band Concurrent AP
BRAND NAME: EnGenius
MODEL NO.: ECB7510
APPLICANT: Senao Networks, Inc.
TEST SAMPLE: ENGINEERING SAMPLE
TESTED: Aug. 22 ~ Oct. 28, 2011
STANDARDS: FCC Part 2 (Section 2.1091)
FCC OET Bulletin 65, Supplement C (01-01)
IEEE C95.1

The above equipment 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 : Jessica Cheng , **DATE:** Oct. 28, 2011
(Jessica Cheng / Specialist)

APPROVED BY : Ken Liu , **DATE:** Oct. 28, 2011
(Ken Liu / 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 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

3. 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

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)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2412-2462	25.5	3	20	0.1408	1.00
5180-5240	16.98	5	20	0.0314	1.00
5745-5825	27.5	5	20	0.3538	1.00

Note: WLAN (2.4GHz) & WLAN (5.0GHz) function cannot transmit simultaneously. The product transmits 2.4G and 5G signal one at a time in time sharing mode, if both are on.

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