



# RF EXPOSURE REPORT

**REPORT NO.:** SA110704E02A

**MODEL NO.:** MC300-2.7-FLF-81, MC300-2.7

**FCC ID:** V8YFWE81MC30000W

**APPLICANT:** Accton Wireless Broadband Corp.

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Park Hsinchu 30077, Taiwan, R.O.C.

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

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## TABLE OF CONTENTS

RELEASE CONTROL RECORD .....	3
1. CERTIFICATION.....	4
2. RF EXPOSURE LIMIT .....	5
3. MPE CALCULATION FORMULA.....	5
4. CLASSIFICATION.....	5
5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER.....	6



## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA110704E02A	Original release	July 25, 2011

## 1. CERTIFICATION

**PRODUCT:** WiMAX 802.16e Mini Card  
**BRAND NAME:** AWB  
**MODEL NO.:** MC300-2.7-FLF-81, MC300-2.7  
**TEST SAMPLE:** R&D SAMPLE  
**APPLICANT:** Accton Wireless Broadband Corp.  
**STANDARDS:** FCC Part 2 (Section 2.1091)  
FCC OET Bulletin 65, Supplement C (01-01)  
IEEE C95.1

The above equipment (Model: MC300-2.7-FLF-81) 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:** July 25, 2011  
( Claire Kuan, Specialist )

**APPROVED BY** :  , **DATE:** July 25, 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

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

where

P<sub>d</sub> = power density in mW/cm<sup>2</sup>

P<sub>out</sub> = 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 **user stations**.

## 5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

All test data was copied from the original test report (Report No.: SA110704E02)

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/ cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2502.5-2687.5	229.087	2	20	0.072	1.00

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