



RF EXPOSURE REPORT

REPORT NO.: SA140610E05

MODEL NO.: UWA3

FCC ID: HLZUWA3

RECEIVED: June 10, 2014

TESTED: July 08, 2014

ISSUED: July 11, 2014

APPLICANT: Coretronic Corp.

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Industrial Park, Hsinchu, Taiwan.

ISSUED BY: Bureau Veritas Consumer Products Services
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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA140610E05	Original release	July 11, 2014



1. CERTIFICATION

PRODUCT: USB Wireless Adapter
BRAND NAME: acer
MODEL NO.: UWA3
TEST SAMPLE: ENGINEERING SAMPLE
APPLICANT: Coretronic Corp.
TESTED DATE: July 08, 2014
STANDARDS: FCC Part 2 (Section 2.1091)
FCC OET Bulletin 65, Supplement C (01-01)
IEEE C95.1

The above equipment (Model: UWA3) 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 : *L. Chung* , **DATE:** July 11, 2014
(Lori Chung, Specialist)

APPROVED BY : *May Chen* , **DATE:** July 11, 2014
(May Chen, 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

This USB Wireless Adapter will be sold and used with Projector. 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. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Brand	Model No.	Antenna Type	Antenna Gain (dBi)	Antenna Connector	Frequency range (GHz to GHz)
Chain (0)	CC&C Technologies, Inc.	30G000056-00	PIFA	4.7	NA	2.4~2.4835
Chain (1)	CC&C Technologies, Inc.	30G000056-00	PIFA	4.7	NA	2.4~2.4835

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

802.11b

FREQUENCY (MHz)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2412 - 2462	12.417	4.7	20	0.00729	1.00

802.11g

FREQUENCY (MHz)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2412 - 2462	41.4	4.7	20	0.02431	1.00

802.11n (HT20)

FREQUENCY BAND (MHz)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2412 - 2462	42.71	4.7	20	0.02508	1.00

802.11n (HT40)

FREQUENCY BAND (MHz)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2422 - 2452	42.564	4.7	20	0.02499	1.00

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