



RF EXPOSURE REPORT

REPORT NO.: SA120521C01

MODEL NO.: UOC-AVX1-S

FCC ID: NKRCCOBD2S

RECEIVED: May 21, 2012

TESTED: May 25, 2012

ISSUED: May 30, 2012

APPLICANT: Wistron NeWeb Corporation

ADDRESS: 20 Park Avenue II, Hsinchu, Science Park,
Hsinchu 308, Taiwan (R.O.C)

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

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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 |
|-------------|-------------------|--------------|
| SA120521C01 | Original release | May 30, 2012 |



1. CERTIFICATION

PRODUCT: Car Connection OBDII
MODEL: UOC-AVX1-S
BRAND: WNC
APPLICANT: Wistron NeWeb Corporation
TESTED: May 25, 2012
TEST SAMPLE: ENGINEERING SAMPLE
STANDARDS: **FCC Part 2 (Section 2.1091)**
FCC OET Bulletin 65, Supplement C (01-01)
IEEE C95.1

The above equipment (Model: UOC-AVX1-S) 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 : May 30, 2012
Pettie Chen / Specialist

APPROVED BY :  , DATE : May 30, 2012
Gary Chang / Technical Manager

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 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

2.2 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

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**.

2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

| FREQUENCY BAND (MHz) | Conducted Power (dBm) | EIRP (dBm) | DISTANCE (cm) | POWER DENSITY (mW/cm ²) | LIMIT (mW/cm ²) |
|------------------------|-----------------------|------------|---------------|-------------------------------------|-----------------------------|
| CDMA 824.7 ~ 848.31MHz | 24.6 | 26.7 | 20 | 0.093 | 0.550 |

| FREQUENCY BAND (MHz) | Conducted Power (dBm) | EIRP (dBm) | DISTANCE (cm) | POWER DENSITY (mW/cm ²) | LIMIT (mW/cm ²) |
|---------------------------|-----------------------|------------|---------------|-------------------------------------|-----------------------------|
| CDMA 1851.25 ~ 1908.75MHz | 24.3 | 26.7 | 20 | 0.093 | 1 |