



# RF EXPOSURE REPORT

**REPORT NO.:** SA140407E12D

**MODEL NO.:** WLD895

**FCC ID:** ZZ2WLD895

**RECEIVED:** Apr. 07, 2014

**TESTED:** Apr. 08, 2014

**ISSUED:** Mar. 19, 2015

**APPLICANT:** Amcrest Technologies LLC

**ADDRESS:** 12633 Memorial Dr. #211, Houston, TX  
77024, United States

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

**LAB ADDRESS:** No. 81-1, Lu Liao Keng, 9th Ling, Wu Lung Tsuen,  
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R.O.C.

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA140407E12D	Original release	Mar. 19, 2015



A D T

## 1. CERTIFICATION

**PRODUCT:** 2.4GHz Digital RF Module  
**BRAND NAME:** AMCREST  
**MODEL NO.:** WLD895  
**TEST SAMPLE:** ENGINEERING SAMPLE  
**APPLICANT:** Amcrest Technologies LLC  
**TESTED DATE:** Apr. 08, 2014  
**STANDARDS:** FCC Part 2 (Section 2.1091)  
KDB 447498 D03  
IEEE C95.1

The above equipment (Model: WLD895) 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:** Mar. 19, 2015  
( Lori Chung, Specialist )

**Approved By :**  , **Date:** Mar. 19, 2015  
( 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 <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

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = 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

### 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. ANTENNA GAIN

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

Antenna No.	Gain (dBi)	Antenna Type	Connector Type	Frequency range (MHz to MHz)	Cable Loss (dB)
1	2	Dipole	NA	2400~2483.5	NA
2	1.2	Dipole	NA	2400~2483.5	NA

## 6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2400-2483.5	48.084	2	20	0.01516	1

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