

## RF Exposure Report

**Report No.:** SA110607C09S

**FCC ID:** YG7ZRF31200

**Test Model:** WHD200T

**Received Date:** Nov. 10, 2015

**Test Date:** Nov. 30 ~ Dec. 11, 2015

**Issued Date:** Dec. 25, 2015

**Applicant:** Zinwell Corporation

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(R.O.C.)

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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R.O.C.

**Test Location:** No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383,  
TAIWAN (R.O.C.)



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### Release Control Record

Issue No.	Description	Date Issued
SA110607C09S	Original release.	Dec. 25, 2015

## 1 Certificate of Conformity

**Product:** Wireless HD AV Connect Transmitter

**Brand:** ZINWELL

**Test Model:** WHD200T

**Sample Status:** Engineering sample

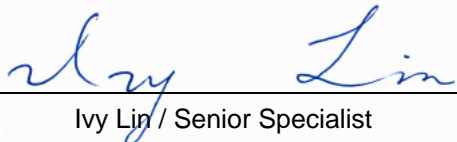
**Applicant:** Zinwell Corporation

**Test Date:** Nov. 30 ~ Dec. 11, 2015

**Standards:** FCC Part 2 (Section 2.1091)  
KDB 447498 D01 (October 23, 2015)  
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 :**

  
Ivy Lin / Senior Specialist

**Date:**

Dec. 25, 2015

**Approved by :**

  
Ken Liu / Senior Manager

**Date:**

Dec. 25, 2015

## 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 <sup>2</sup> )	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

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

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

### 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**.

## 3 Calculation Result of Maximum Conducted Power

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
5190-5230	18.99	4.0	20	0.040	1
5270-5310	18.83	4.0	20	0.038	1
5510-5670	18.78	4.0	20	0.038	1
5755-5795	19.24	4.0	20	0.042	1

Note: The transmit signals are completely uncorrelated, Directional gain= 4dBi.

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