

## 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

**Address:** 7F., No.512, Yuanshan Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)

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

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, 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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### Table of Contents

<b>Release Control Record</b> .....	<b>3</b>
<b>1 Certificate of Conformity</b> .....	<b>4</b>
<b>2 RF Exposure</b> .....	<b>5</b>
2.1 Limits for Maximum Permissible Exposure (MPE).....	5
2.2 MPE Calculation Formula .....	5
2.3 Classification .....	5
<b>3 Calculation Result of Maximum Conducted Power</b> .....	<b>5</b>



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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 , **Date:** Dec. 25, 2015  
Ivy Lin / Senior Specialist

**Approved by :** Ken Liu , **Date:** Dec. 25, 2015  
Ken Liu / Senior 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 <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

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

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

### 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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