

RF Exposure Report

Report No.: SA141226E08

FCC ID: Z28AD1000

Test Model: AD1000-C

Series Model: AD1000-R, AD1000

Received Date: Dec. 26, 2014

Test Date: Jan. 15, 2015

Issued Date: Mar. 04, 2015

Applicant: ZUNIDATA SYSTEMS, INC.

Address: 4F-7, No.65, Gaotia 7th Rd, Zhubei City, Hsinchu county 302, Taiwan

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, Chiung Lin Hsiang, Hsin Chu Hsien 307, Taiwan R.O.C.

Test Location (1): No. 81-1, Lu Liao Keng, 9th Ling, Wu Lung Tsuen, Chiung Lin Hsiang, Hsin Chu Hsien 307, Taiwan R.O.C.

Test Location (2): No. 49, Ln. 206, Wende Rd., Shangshan Tsuen, Chiung Lin Hsiang, Hsin Chu Hsien 307, Taiwan R.O.C.

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Release Control Record

Issue No.	Description	Date Issued
SA141226E08	Original release.	Mar. 04, 2015



A D T

1 Certificate of Conformity

Product: POS system

Brand: Zunidata

Test Model: AD1000-C

Series Model: AD1000-R, AD1000

Sample Status: ENGINEERING SAMPLE

Applicant: ZUNIDATA SYSTEMS, INC.

Test Date: Jan. 15, 2015

Standards: FCC Part 2 (Section 2.1091)

KDB 447498 D03

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 : C. Kuan, **Date:** Mar. 04, 2015
Claire Kuan / Specialist

Approved by : May Chen, **Date:** Mar. 04, 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 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

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

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

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:

Brand	Model	Gain (dBi)	Antenna Type	Connector Type	Frequency range (GHz to GHz)
Walsin Technology Corporation	RFDPA151300SBAB8G1	3	Dipole	Reverse SMA Male	2.4 ~ 2.4835

6 Calculation Result Of Maximum Conducted Power

FREQUENCY (MHz)	CONDUCTED POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2412 - 2462	147.911	3	20	0.05871	1.00

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