

RF EXPOSURE REPORT

REPORT NO.: SA110921E06

MODEL NO.: R4020A, ZR301F

FCC ID: Z28-R4020A

RECEIVED: Sep. 21, 2011

TESTED: Sep. 28, 2011

ISSUED: Oct. 07, 2011

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

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA110921E06	Original release	Oct. 07, 2011

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1.CERTIFICATION

PRODUCT: Wireless IEEE802.11b/g/n 300Mbps Tiny Router

BRAND NAME: North Link, Zuni Data, Zuni Digital, Zuni Connect, ZUNI

MODEL NO.: R4020A, ZR301F

TEST SAMPLE: ENGINEERING SAMPLE

TESTED: Sep. 28, 2011

APPLICANT: ZUNIDATA SYSTEMS, INC.

STANDARDS: FCC Part 2 (Section 2.1091)

FCC OET Bulletin 65, Supplement C (01-01)

IEEE C95.1

The above equipment (Model: R4020A) 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: Low Chung, DATE: Oct. 07, 2011

(Lori Chung, Specialist)

(May Chen, Deputy Manager)



2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)			POWER DENSITY (mW/cm²)	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

 $Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm²

Pout = 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. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	BAND POWER		DISTANCE (cm)	POWER DENSITY (mW/ cm²)	LIMIT (mW/cm²)
2412-2462	205.5	4	20	0.103	1.00

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