

RF EXPOSURE REPORT

REPORT NO.: SA120309C34A

MODEL NO.: ZoneFlex 7321

FCC ID: S9GZF7321

RECEIVED: Mar. 22, 2012

TESTED: Apr. 26 ~ Jun. 06, 2012

ISSUED: Jun. 13, 2012

APPLICANT: Ruckus Wireless, Inc.

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California, United States, 94085

ISSUED BY: Bureau Veritas Consumer Products Services

(H.K.) Ltd., Taoyuan Branch

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R.O.C.

This report should not be used by the client to claim product certification, approval, or endorsement by TAF or any government agencies.





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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED	
SA120309C34A	Original release	Jun. 13, 2012	



1. CERTIFICATION

PRODUCT: ZoneFlex 7321Access Point

MODEL NO.: ZoneFlex 7321

BRAND: Ruckus

APPLICANT: Ruckus Wireless, Inc.

TESTED: Apr. 26 ~ Jun. 06, 2012

TEST SAMPLE: ENGINEERING SAMPLE

STANDARDS: FCC Part 2 (Section 2.1091)

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

IEEE C95.1

The above equipment (model: ZoneFlex 7321) 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 : Jun. 13, 2012

Andrea Hsia / Specialist

Gary Chang / Technical 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/cm²)	AVERAGE TIME (minutes)				
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE								
300-1500	300-1500		F/1500					
1500-100,000			1.0	30				

F = Frequency in MHz

2.2 MPE CALCULATION FORMULA

Pd = (Pout*G) / (4*pi*r2)

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

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**.



2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MODULATION MODE	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm²)	LIMIT (mW/cm²)
	802.11a	19.9	5.01	20	0.616	1
5260-5320	802.11n (20MHz)	20.6	2	20	0.036	1
	802.11n (40MHz)	20.6	2	20	0.036	1
	802.11a	21.7	5.01	20	0.093	1
5500-5700	802.11n (20MHz)	21.5	2	20	0.045	1
	802.11n (40MHz)	18.7	2	20	0.023	1

NOTE:

802.11a: Directional gain =2dBi + 10log(2)=5.01dBi