



Compliance Testing, LLC

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

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Test Report

Prepared for: Ubiquiti Networks, Inc

Model: RP-5AC-Gen2

Description: RocketPrism 5AC (G2)

Serial Number: N/A

FCC ID: SWX-RP5ACG2

To

FCC Part 1.1310

Date of Issue: February 15, 2017

On the behalf of the applicant:

**Ubiquiti Networks, Inc
2580 Orchard Parkway
San Jose, CA 95131**

Attention of:

**Michael Taylor, Compliance Manager
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**Prepared By
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Project No: p1710008**

Project Test Engineer

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	February 6, 2017	Alex Macon	Original Document
2.0	February 15, 2017	Amanda Reed	Updated model name & description



ILAC / A2LA

Compliance Testing, LLC, has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated January 2009)

The tests results contained within this test report all fall within our scope of accreditation, unless below

Please refer to <http://www.compliancetesting.com/labscope.html> for current scope of accreditation.

Testing Certificate Number: **2152.01**



FCC Site Reg. #349717

IC Site Reg. #2044A-2

Non-accredited tests contained in this report:

N/A

EUT Description

Model: RP-5AC-Gen2

Description: RocketPrism 5AC (G2)

Firmware: AirOS 8.0.1

Software: AirOS 8.0.1

Serial Number: N/A

Additional Information: The EUT incorporates a 5GHz and 2.4GHz band. The EUT has shown compliance with RF exposure in the 5 GHz band



Source Based Time Averaged Power Calculation

Average Power calculations

Average Power = Peak Power * duty-cycle%

Tuned Frequency (MHz)	Conducted Peak Output Power (mW)	Duty Cycle (%)	Average Power (mW)
2442	78.5	100	78.5 mW



This is a fixed device used in Uncontrolled Exposure environment.

Limits Uncontrolled Exposure
47 CFR 1.1310
Table 1, (B)

0.3-1.234 MHz:	Limit [mW/cm ²] = 100
1.34-30 MHz:	Limit [mW/cm ²] = (180/f ²)
30-300 MHz:	Limit [mW/cm ²] = 0.2
300-1500 MHz:	Limit [mW/cm ²] = f/1500
1500-100,000 MHz	Limit [mW/cm ²] = 1.0

Test Data

Test Frequency, MHz	2442
Power, Conducted, mW (P)	78.5
Antenna Gain Isotropic	3 dBi
Antenna Gain Numeric (G)	2.0
Antenna Type	F type
Limit (L)	1.0

$S = P \cdot G / 4 \cdot \pi \cdot r^2$			
Power Density (S) mw/cm2	Power mW (P)	Numeric Gain (G)	Distance (r2) cm
0.0312350788	78.5	2	20

The power density is below the limit of 1.0 mW/cm²

END OF TEST REPORT