



Compliance Testing, LLC

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

toll-free: (866) 311-3268

fax: (480) 926-3598

<http://www.ComplianceTesting.com>

info@ComplianceTesting.com

Test Report

Prepared for: Ubiquiti Networks, Inc

Model: R5AC-PRISM

Description: Rocket 5AC Prism

FCC ID: SWX-R5ACPRISM

Serial Number: N/A

To

FCC Part 1.1310

Date of Issue: September 10, 2015

On the behalf of the applicant:

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

Attention of:

Michael Taylor, Compliance Manager
Ph: (408) 942-3085
E-mail: compliance@ubnt.com

Prepared By
Compliance Testing, LLC
1724 S. Nevada Way
Mesa, AZ 85204
(480) 926-3100 phone / (480) 926-3598 fax
www.compliancetesting.com
Project No: p1580024

Alex Macon
Project Test Engineer

This report may not be reproduced, except in full, without written permission from Compliance Testing
All results contained herein relate only to the sample tested



Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	September 2, 2015	Alex Macon	Original Document

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: R5AC-PRISM

Description: Rocket 5AC Prism

Firmware: N/A

Software: N/A

S/N: N/A

Additional Information: None



Source Based Time Averaged Power Calculation

Power calculations

Tuned Frequency (MHz)	Conducted Average Output Power (mW)	Duty Cycle (%)
5830	339	100



MPE Evaluation

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

Minimum Safe Distance Evaluation

This is a Fixed/mobile device used in Uncontrolled/General Population 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	5830
Power, Conducted, mW (P)	339
Antenna Gain Isotropic	31dBi
Antenna Gain Numeric (G)	1259
Antenna Type	Dish
Limit (L)	

$R = \sqrt{(PG/4\pi L)}$			
Distance (R) cm	Power mW (P)	Numeric Gain (G)	Limit (L)
9.2m	339	1259	1.0

END OF TEST REPORT