



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: UAP-AC-M

Description: UniFi® AC Access Point

Serial Number: N/A

FCC ID: SWX-UAPACM

To

FCC Part 1.1310

Date of Issue: August 30, 2017

On the behalf of the applicant:

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

Attention of:

**Mark Feil
Ph: 801-898-1911
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**Prepared By
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Project No: p1770021**

**Poona Saber
Project Test Engineer**

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	August 15, 2017	Poona Saber	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: UAP-AC-M

Description: UniFi® AC Access Point

Firmware: N/A

Software: N/A

Serial Number: N/A

Additional Information: None



Source Based Time Averaged Power Calculation

Average Power = Peak Power * duty-cycle%

Tuned Frequency (MHz)	Average Power (mW)
2437	132.12
5825	107.15



MPE Evaluation

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	2437
Power, Conducted, mW (P)	132.12
Antenna Gain Isotropic	9 dBi
Antenna Gain Numeric (G)	7.94
Antenna Type	Dual Band Array
Distance (R)	20 cm

$S = \frac{P * G}{4\pi r^2}$
Power Density (S) mw/cm ²

Power Density (S) =0.208
Limit =(from above table) = 1

Test Data

Test Frequency, MHz	5825
Power, Conducted, mW (P)	107.15
Antenna Gain Isotropic	15 dBi
Antenna Gain Numeric (G)	31.62
Antenna Type	Dual Band Array
Distance (R)	20 cm

$S = \frac{P * G}{4\pi r^2}$
Power Density (S) mw/cm ²

Power Density (S) =0.674
Limit =(from above table) = 1

END OF TEST REPORT