



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: Packet Power, LLC

Model: EMB1

Description: Battery Powered Environmental Monitor

FCC ID: ECGP5EMB1

To

FCC Part 1.1310

Date of Issue: February 5, 2015

On the behalf of the applicant:

**Packet Power, LLC
2716 Summer St NE
Minneapolis, MN 55413**

Attention of:

**Paul Bieganski, CTO
Ph: (877)560-8770
E-Mail: paul@packetpower.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: p14b0019**



**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 | January 30, 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.compliantesting.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: EMB1

Description: Battery Powered Environmental Monitor

Software: NMX Packet Power URL

Serial Number: N/A

Additional Information:

The EUT is an inline voltage and current meter which incorporates a 2.4 GHz radio and a 900 MHz radio with an integral antenna.



Average Power calculations

Average Power = Peak Power * duty-cycle%

| Tuned Frequency (MHz) | Radiated Peak Output Power (mW) | Duty Cycle | Average Power (mW) |
|-----------------------|---------------------------------|------------|--------------------|
| 902.4 | 0.005 mW | 100% | mW |
| 2401 | 0.401 mW | 100% | mW |

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 |

927.6 MHz Limit is 0.6016 mW/cm²

2401 MHz limit is 1.0 mW/cm²

END OF TEST REPORT