



# **Compliance Testing, LLC**

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

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## **Test Report**

**Prepared for: Packet Power, LLC**

**Model: P5EG3**

**Description: Ethernet Gateway**

**FCC ID: WCGP5EG3**

**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:**

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Project No: p14b0017**

**Alex Macon  
Project Test Engineer**

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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.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:** P5EG3

**Description:** Ethernet Gateway

**Firmware:** N/A

**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	0.195 mW	100%	mW
2401	0.246 mW	100%	mW

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

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

927.6 MHz Limit is 0.6016 mW/cm<sup>2</sup>

2401 MHz limit is 1.0 mW/cm<sup>2</sup>

END OF TEST REPORT