



Compliance Testing, LLC
Previously Flom Test Lab
EMI, EMC, RF Testing Experts Since 1963

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FCC CFR47 Part 1.1310 Test Report

Prepared for: Xtreme Power Systems

Model: DivBee

Description: Zigbee Transceiver (2.4 GHz)

on

Date of Issue: July 7, 2011

On the behalf of the applicant:

**Xtreme Power Systems
2440 Kiowa Blvd. N.
Suite 102
Lake Havasu City, Arizona 86403**

Attention of:

**Jim Drew, CEO
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**Prepared by
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**[John Erhard](#)
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All results of this test report relate only to the item(s) there were tested



Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	July 7, 2011	John Erhard	Original Document
2.0	August 8, 2011	Amanda Reed	Modify customer phone number



Compliance Testing, LLC
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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 noted in the table below.

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

Testing Certificate Number: **2152.01**



FCC OATS Reg, #933597

IC Reg. #2044A-1

Non-accredited tests contained in this report:
N/A



Name of Test: Environmental Assessment

Specification: FCC:47 CFR 1.1310

Measurement Guide: ANSI/IEEE C95.1 1992

Name of Test: R.F. Radiation Exposure

FCC Rules: 1.1307, 1.1310, 1.1311, 2.1091

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 Frequencies, MHz	2440
Power, Conducted, W (P)	0.1039
Antenna Gain Isotropic	2.15 dBi
Antenna Gain Numeric (G)	1.62
Antenna Type	dipole
Distance (R)	20 cm

Power Density Calculations	Formula =	$S = PG / 4R^2$
	Power Density (S) =	0.033
	Limit =	1.0

END OF TEST REPORT