



## Compliance Testing, LLC

Previously Flom Test Lab

*RF, EMC and Safety Testing Experts Since 1963*

toll-free: (866) 311-3268

fax: (480) 926-3598

<http://www.ComplianceTesting.com>

[info@ComplianceTesting.com](mailto:info@ComplianceTesting.com)

Date: December 20, 2010

Applicant: Bug Labs, Inc  
598 Broadway  
4th Floor  
New York, NY 10012

Attention of: Matt Peddicord, Director of Operations  
Ph: (212) 792-6357  
Fax: (212) 792-6358  
E-mail: [matt.peddicord@buglabs.net](mailto:matt.peddicord@buglabs.net)

Equipment: BUG Y.T.

FCC ID: W3J-BUGYT

FCC Rules: Radio Frequency Radiation Exposure Limits  
47 CFR 1.1310  
MPE - Mobiles     X    

Fixed Based Station           

Enclosed please find your copy of the Supplemental Test Data Report, the whole for Environmental Assessment (MPE) of the referenced equipment as shown.

This report may not be reproduced, except in full, without written permission from Compliance Testing, LLC.

Should you need any clarification, please feel free to contact the office.

Thank you again for this order - it has been a pleasure to be of service.

Sincerely,

Compliance Testing



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## **Environmental Assessment**

for

**Mobiles**

for

**FCC ID: W3J-BUGYT**

**Model: BUG Y.T.**

to

**Federal Communications Commission**

**47 CFR 1.1310**

Radio Frequency Radiation Exposure Limits

**Date of Report:** December 20, 2010

**At the Request of:**

Bug Labs, Inc  
598 Broadway  
4th Floor  
New York, NY 10012

**Attention of:**

Matt Peddicord, Director of Operations  
Ph: (212) 792-6357  
Fax: (212) 792-6358  
E-mail: [matt.peddicord@buglabs.net](mailto:matt.peddicord@buglabs.net)

By

Compliance Testing, LLC  
3356 N. San Marcos Place, Suite 107  
Chandler, Arizona 85225-7176  
(866) 311-3268 phone, (480) 926-3598 fax



### Test Report Revision History

Revision	Date	Revised By	Reason for revision
1.0	December 20, 2010	J. Erhard	Original Document
2.0	January 13, 2011	K. Springer	Revised Model Info per Customer request



## Testimonial and Statement of Certification

This is to certify that:

1. **That** the application was prepared either by, or under the direct supervision of, the undersigned.
2. **That** the technical data supplied with the application was taken under my direction and supervision.
3. **That** the data was obtained on representative units, randomly selected.
4. **That**, to the best of my knowledge and belief, the facts set forth in the application and accompanying technical data is true and correct.

A handwritten signature in black ink, appearing to read "John Erhard".

Certifying Engineer:

John Erhard: Engineer Manager



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## Test Report

**Name and Address of Applicant:** Bug Labs, Inc  
598 Broadway  
4th Floor  
New York, NY 10012

**Manufacturer:** Bug Labs, Inc  
598 Broadway  
4th Floor  
New York, NY 10012

**FCC ID:** W3J-BUGYT

**Model Number:** BUG Y.T.

**Description:** 2.4GHz Bluetooth and WiFi Enabled Computer

**Type of Emission:** DTS or FHSS

**Frequency Range, MHz:** 2412 – 2462, 2402 - 2480

**Power Rating, Watts:** 0.00019

\_\_\_\_\_ Switchable      \_\_\_\_\_ Variable        X   N/A



**A2LA**

“A2LA has accredited Compliance Testing LLC in Chandler, AZ for technical competence in the field of Electrical testing. The accreditation covers the specific tests and types of tests listed on the agreed scope of accreditation. This laboratory meets the requirements of ISO 17025:2005 ‘General Requirements for the Competence of Testing and Calibration Laboratories’ and any additional program requirements in the identified field of testing.”

Please refer to [www.a2la.org](http://www.a2la.org) for current scope of accreditation.

Certificate number: 2152.01





## Standard Test Conditions and Engineering Practices

Except as noted herein, the following conditions and procedures were observed during the testing:

In accordance with ANSI C63.4-2009 and unless otherwise indicated in the specific measurement results, the ambient temperature of the actual EUT was maintained within the range of 10° to 40°C (50° to 104 °F) unless the particular equipment requirements specify testing over a different temperature range. Also, unless otherwise indicated, the humidity levels were in the range of 10% to 90% relative humidity.

Prior to testing, the EUT was tuned up in accordance with the manufacturer's alignment procedures. All external gain controls were maintained at the position of maximum and/or optimum gain throughout the testing.

Measurement results, unless otherwise noted, are worst-case measurements.





**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 <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

## DTS

Test Frequencies, MHz	2412
Power, Conducted, W (P)	0.00019
Antenna Gain Isotropic	1 dBi
Antenna Gain Numeric (G)	1.26
Antenna Type	Ceramic Chip
Distance (R)	20 cm

Power Density Calculations	Formula =	$S = PG / 4\pi R^2$
	Power Density (S) =	0.0000476285
	Limit =	1.0

## FHSS

Test Frequencies, MHz	2480
Power, Conducted, W (P)	0.000035
Antenna Gain Isotropic	1 dBi
Antenna Gain Numeric (G)	1.26
Antenna Type	Ceramic Chip
Distance (R)	20 cm

Power Density Calculations	Formula =	$S = PG / 4\pi R^2$
	Power Density (S) =	0.0000087737
	Limit =	1.0

There is no simulations transmission for this device.

END OF TEST REPORT