

# Compliance Testing, LLC

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http://www.ComplianceTesting.com info@ComplianceTesting.com

### **Test Report**

**Prepared for: Garmin International Inc** 

Model: A02812

**Description: Dog training device** 

Serial Number: N/A

FCC ID: IPH-02812

То

FCC Part 1.1310

Date of Issue: March 8, 2016

On the behalf of the applicant: **Garmin International Inc** 

> 1200 E. 151st. Street Olathe, KS 66062

Attention of: Paul Phrommany, Compliance Engineer

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**Project No: p1620030** 

**Alex Macon** 

**Project Test Engineer** 

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## **Test Report Revision History**

Revision	Date	Revised By	Reason for Revision
1.0	March 7, 2016	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:** A02812

**Description:** Dog training device

Firmware: N/A Software: N/A Serial Number: N/A Additional Information:

The EUT incorporates BLE and ANT modulations

## **Source Based Time Averaged Power Calculation**

## **Average Power calculations**

Average Power = Peak Power \* duty-cycle%

Tuned Frequency (MHz)	Conducted Peak Output Power (mW)	Duty Cycle (%)	Average Power (mW)
2480	0.918	100	0.918 mW

#### **MPE Evaluation**

This is a portable device used in Uncontrolled Exposure environment.

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

### **Test Data**

Test Frequency, MHz	2480
Power, Radiated, mW (P)	0.918
Antenna Type	PCB
Distance (R)	20 cm

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

**END OF TEST REPORT**