



Compliance Testing, LLC

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

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Test Report

Prepared for: Garmin International Inc

Model: A02812

Description: Dog training device

Serial Number: N/A

FCC ID: IPH-02812

To

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
Ph: (913)440-2012
Email: Paul.Phrommany@garmin.com**

**Prepared By
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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 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 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 ²

Power Density (S) = 0.0001826357
Limit =(from above table) = 1.0

END OF TEST REPORT