



# 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: O5AHNH00

Description: Wireless Dog Trainer

Serial Number: 43T000000

FCC ID: IPH-02670

To

FCC Part 1.1310

Date of Issue: June 5, 2015

On the behalf of the applicant:

Garmin International, Inc.  
1200 E. 151 St  
Olathe, KS 66062

Attention of:

Paul Phrommany, Senior Compliance Engineer  
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Project No: p1530009

**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	June 4, 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



### Description

The EUT is a handheld transmitter paired with a receiver collar which is used in a dog training application. This is a portable device.

### Measurement Result

Tuned Frequency	Conducted Peak Output power (100% Duty Cycle)	RF Exposure Limit
27.045 MHz	188 mW	929.41 mW

This is a portable device as it is a hand-held transmitter paired with a receiver collar which is used in a dog training application. The SAR exclusion from KDB 447498 Appendix C being applied.

### Exclusion Ratio

Formula 1 from Section 4.3.1 of KDB 447498 D01

Exclusion Threshold = 7.5

Step 1: at 100 MHz and 50 mm, power threshold =  $(7.5 * 50) / \text{sqrt}(0.1) = 1185 \text{ mW}$

Step 2a):  $1185 + (50 - 50) * (27/150) = 1185 \text{ mW}$

Step 3a):  $1185 * [1 + \log(100/27)] = 1858.83 \text{ mW}$

Step 3b):  $1858.83/2 = 929.41 \text{ mW}$

**PER the exclusion requirement of KDB 447498 a SAR measurement is not necessary.**

END OF TEST REPORT