



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: A03393

Description: Short Range Transceiver

Serial Number: N/A

FCC ID: IPH-03393

To

FCC Part 1.1310

Date of Issue: November 15, 2017

On the behalf of the applicant:

**Garmin International, Inc.
1705 S. Research Loop
Tucson, AZ 85710**

Attention of:

**Rick Waybright, Regulatory Manager
Ph: (520)290-6000
Email: Rick.Waybright@garmin.com**

**Prepared By
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Project No: p1790006**

**Kenneth Lee
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	September 22, 2017	Kenneth Lee	Original Document
2.0	November 15, 2017	Amanda Reed	Updated model information



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: A03393

Description: Short Range Transceiver

Firmware: N/A

Software: N/A

Serial Number: N/A

Additional Information: None



MPE Evaluation

This is a portable device used in Uncontrolled Exposure environment.

Limits Controlled Exposure 47 CFR 1.1310 Table 1, (A)

0.3-3.0 MHz:	Limit [mW/cm ²] = 100
3.0-30 MHz:	Limit [mW/cm ²] = (900/f ²)
30-300 MHz:	Limit [mW/cm ²] = 1.0
300-1500 MHz:	Limit [mW/cm ²] = f/300
1500-100,000 MHz	Limit [mW/cm ²] = 5

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	2402
Power, Conducted, mW (P)	4.24
Antenna Gain Isotropic	2.5dBi
Antenna Gain Numeric (G)	1.79
Antenna Type	Integral
Distance (R)	20 cm

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

Power Density (S) =	0.0015099475
Limit =(from above table) =	1.0

END OF TEST REPORT