

# Compliance Testing, LLC

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

### **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

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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 <sup>2</sup> ] = 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 <sup>2</sup> ] = 5

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 $[mW/cm^2] = f/1500$
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<sup>2</sup>

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

**END OF TEST REPORT**