

Issued: 23/08/2016

Revised: 13/6/2017

DECLARATION of CONFORMITY

Application of Council Directive: 2014/53/EU, 2011/65/EU

Standard to which conformity is declared:

IEC 60950-1:2005(2nd Edition)+A1:2009+A2:2013**EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013** Information technology equipment. Safety. General requirements**EN 55032:2012 (CISPR 32)** Electromagnetic compatibility of multimedia equipment – Emission requirements**EN 300 328 v2.1.1 2016-11** Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques**EN 300 440 v2.1.1 2017-03** Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range**EN 301 489-1 v2.1.1 2017-02** ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements**EN 301 489-17 v3.1.1 2017-02** ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems**IEC 62479:2010** Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)**EN 301 489-3 v2.1.1 2017-03** ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz

Manufactured by:	GARMIN International	&	GARMIN Corporation
Manufacturer's Address:	1200 E. 151 st Street		No.68, Zhangshu 2nd Rd.,
	Olathe, Kansas 66062		Xizhi Dist., New Taipei City 221,
	U.S.A.		TAIWAN, R.O.C.

Authorised Representative: GARMIN (Europe) Ltd. Liberty House,
Hounsdown Business Park, Southampton,
Hampshire, SO40 9LR, U.K.

Type of Equipment: Information Technology Equipment (Global Positioning System Receiver)

Model Number(s): Garmin Drive 51 x y ("x" If used describes pre-loaded map software; "y" can be LM, LT, LMT, LMT-BC, LMT-D or LMT-HD, LMT-S or blank)

Garmin Drive 51 x y: 2.4 GHz @ 3 dBm nominal

The undersigned does hereby declare that the equipment complies with the above Directives



Ryan House
Quality Associate
Garmin (Europe) Ltd

13/6/2017

Publication : 23/08/2016

Révision : 13/6/2017

DECLARATION de CONFORMITE

Application des directives : 2014/53/EU, 2011/65/EU

Norme dont la conformité est déclarée :

IEC 60950-1:2005(2e édition)+A1:2009+A2:2013**EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013** Appareils de traitement de l'information. Sécurité
Spécifications générales**EN 55032:2012 (CISPR 32)** Compatibilité électromagnétique des équipements multimédias - Exigences en
matière d'émission**EN 300 328 v2.1.1 2016-11** Système de transmission de données à large bande ; matériel de transmission de
données fonctionnant dans la bande ISM à 2,4 GHz et utilisant des techniques de modulation à étalement du
spectre**EN 300 440 v2.1.1 2017-03** Appareils à courte portée (SRD) ; équipement radio destiné à être utilisé dans la
bande de fréquences comprises entre 1 et 40 GHz**EN 301 489-1 v2.1.1 2017-02** Norme de compatibilité électromagnétique (CEM) concernant les équipements et
services de communication radio ; Partie 1 : exigences techniques communes**EN 301 489-17 v3.1.1 2017-02** Norme de compatibilité électromagnétique (CEM) concernant les équipements et
services de communication radio ; Partie 17 : conditions spécifiques pour les systèmes de transmission large
bande**IEC 62479:2010** Evaluation de la conformité des appareils électriques et électroniques de faible puissance aux
restrictions de base concernant l'exposition des personnes aux champs électromagnétiques (10 MHz - 300 GHz)**EN 301 489-3 v2.1.1 2017-03** Norme de compatibilité électromagnétique (CEM) concernant les équipements et
services de communication radio ; Partie 3 : exigences spécifiques pour les appareils à courte portée (SRD)
destinés à être utilisés dans la gamme de fréquences comprises entre 9 kHz et 246 GHz

Fabriqué par :	GARMIN International	et	GARMIN Corporation
Adresse de fabrication :	1200 E. 151 st Street		No.68, Zhangshu 2nd Rd.,
	Olathe, Kansas 66062		Xizhi Dist., New Taipei City 221,
	Etats-Unis		TAIWAN, R.O.C.

Représentant autorisé :	GARMIN (Europe) Ltd. Liberty House, Hounsdown Business Park, Southampton, Hampshire, SO40 9LR, Royaume-Uni
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Type d'appareil :	Appareil de traitement de l'information (récepteur GPS)
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Référence(s) du modèle :	Garmin Drive 51 x y (« x », s'il est utilisé, remplace le logiciel de cartographie préchargé ; « y » peut correspondre à LM, LT, LMT, LMT-BC, LMT-D ou LMT- HD, LMT-S, ou peut ne pas être utilisé)
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Garmin Drive 51 x y :	2.4 GHz @ 3 dBm nominal
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Le soussigné déclare expressément que l'appareil est conforme aux directives susmentionnées.

Ryan House
Associé qualité
Garmin (Europe) Ltd

13/6/2017

Pubblicato: 23/08/2016
Ultima modifica: 13/6/2017

DICHIARAZIONE di CONFORMITÀ

Applicazione della direttiva del consiglio: 2014/53/UE, 2011/65/UE

Standard di conformità:

IEC 60950-1:2005 (2a edizione)+A1:2009+A2:2013

EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 Apparecchiature per la tecnologia dell'informazione.
Sicurezza. Requisiti generali

EN 55032:2012 (CISPR 32) Compatibilità elettromagnetica delle apparecchiature multimediali - Requisiti di emissione

EN 300 328 v2.1.1 2016-11 Sistemi di trasmissione a banda larga; apparecchiature di trasmissione dati che operano nella banda da 2,4 GHz ISM e che utilizzano tecniche di modulazione ad ampio spettro

EN 300 440 v2,1.1 2017-03 Dispositivi a frequenza ridotta (SRD); Apparecchi radio da utilizzare nell'intervallo di frequenze 1 GHz-40 GHz

EN 301 489-1 v2.1.1 2017-02 Compatibilità elettromagnetica (EMC) standard per apparecchiature e servizi radio; Parte 1: requisiti tecnici comuni

EN 301 489-17 v3,1.1 2017-02 Compatibilità elettromagnetica (EMC) standard per apparecchiature e servizi radio; Parte 17: condizioni specifiche per i sistemi di trasmissione dati a banda larga

IEC 62479:2010 Valutazione della conformità di apparati elettrici ed elettronici di debole potenza alle restrizioni di base relative all'esposizione umana ai campi elettromagnetici (10 MHz - 300 GHz)

EN 301 489-3 v2.1.1 2017-03 Standard di compatibilità elettromagnetica (EMC) per apparecchiature e servizi radio; Parte 3: condizioni specifiche per dispositivi a frequenza ridotta (SRD) che funzionano su frequenze comprese tra 9 KHz e 246 GHz

Prodotto da:	GARMIN International	&	GARMIN Corporation
Indirizzo del produttore:	1200 E. 151 st Street		No.68, Zhangshu 2nd Rd.,
	Olathe, Kansas 66062		Xizhi Dist., New Taipei City 221,
	Stati Uniti		TAIWAN, R.D.C.

Rappresentante autorizzato: GARMIN (Europe) Ltd. Liberty House,
Hounsdown Business Park, Southampton,
Hampshire, SO40 9LR, Regno Unito

Tipo di apparecchiatura: Apparecchiature per la tecnologia dell'informazione (ricevitore Global Positioning System)

Numero modello: Garmin Drive 51 x y ("x" se utilizzata descrive il software delle mappe precaricate; "y" può essere LM, LT, LMT, LMT-BC, LMT-D oppure LMT-HD, LMT-S oppure vuoto)

Garmin Drive 51 x y: 2.4 GHz @ 3 dBm nominal

Il sottoscritto dichiara con il presente documento che l'apparecchiatura è conforme alle suddette direttive



Ryan House
Quality Associate
Garmin (Europe) Ltd

13/6/2017

Herausgegeben: 23.8.2016

Überarbeitet: 13.6.2017

KONFORMITÄTSERKLÄRUNG

Anwendung der Richtlinien des Rates: 2014/53/EU, 2011/65/EU

Erklärung der Konformität mit der Norm:

IEC 60950-1:2005 (2. Ausgabe)+A1:2009+A2:2013**EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013** Einrichtungen der Informationstechnik. Sicherheit. Allgemeine Anforderungen**EN 55032:2012 (CISPR 32)** Elektromagnetische Verträglichkeit von Multimediageräten und -einrichtungen – Anforderungen an die Störaussendung**EN 300 328 v2.1.1 2016-11** Breitband-Übertragungssysteme; Datenübertragungsgeräte, die im 2,4-GHz-ISM-Band arbeiten und Breitband-Modulationstechniken verwenden**EN 300 440 v2.1.1 2017-03** Funkanlagen mit geringer Reichweite; Funkgeräte zum Betrieb im Frequenzbereich von 1 GHz bis 40 GHz**EN 301 489-1 v2.1.1 2017-02** Elektromagnetische Verträglichkeit (EMV) für Funkeinrichtungen und -dienste; Teil 1: Gemeinsame technische Anforderungen**EN 301 489-17 v3.1.1 2017-02** Elektromagnetische Verträglichkeit (EMV) für Funkeinrichtungen und -dienste; Teil 17: Spezifische Bedingungen für Breitband-Datenübertragungssysteme**IEC 62479:2010** Beurteilung der Übereinstimmung von elektronischen und elektrischen Geräten kleiner Leistung mit den Basisgrenzwerten für die Sicherheit von Personen in elektromagnetischen Feldern (10 MHz bis 300 GHz)**EN 301 489-3 v2.1.1 2017-03** Elektromagnetische Verträglichkeit (EMV) für Funkeinrichtungen und -dienste; Teil 3: Spezifische Bedingungen für Funkgeräte geringer Reichweite (SRD) für den Einsatz auf Frequenzen zwischen 9 KHz und 246 GHz

Hergestellt von:	GARMIN International	&	GARMIN Corporation
Adresse des Herstellers:	1200 E. 151 st Street		No. 68, Zhangshu 2nd Rd.,
	Olathe, Kansas 66062		Xizhi Dist., New Taipei City 221,
	USA		TAIWAN, Republik China

Autorisierter Vertreter:	GARMIN (Europe) Ltd. Liberty House, Hounsdown Business Park, Southampton, Hampshire, SO40 9LR, Vereinigtes Königreich
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Einrichtungstyp:	Einrichtungen der Informationstechnik (GPS-Empfänger)
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Modellnummer(n):	Garmin Drive 51 x y („x“, sofern verwendet, steht für vorinstallierte Kartensoftware; „y“ kann für LM, LT, LMT, LMT-BC, LMT-D bzw. LMT-HD, LMT-S stehen oder leer sein)
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Garmin Drive 51 x y:	2.4 GHz @ 3 dBm (nominal)
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Ich erkläre hiermit, dass das Gerät die obigen Richtlinien erfüllt.



Ryan House
Mitarbeiter für Qualitätskontrolle
Garmin (Europe) Ltd

13.6.2017

Emitido: 23/08/2016
Revisado: 13/6/2017

DECLARACIÓN de CONFORMIDAD

Aplicación de Directiva del Consejo: 2014/53/UE, 2011/65/UE

Estándares a los que se declara conformidad:

IEC 60950-1:2005 (2.ª edición) + A1:2009 + A2:2013

EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 Equipos de tecnología de la información. Seguridad. Requisitos generales

EN 55032:2012 (CISPR 32) Compatibilidad electromagnética de equipos multimedia - Requisitos de emisiones

EN 300 328 v2.1.1 2016-11 Sistemas de transmisión de banda ancha; Equipos de transmisión de datos que operan en la banda de 2,4 GHz ISM y que utilizan técnicas de modulación de banda ancha

EN 300 440 v2.1.1 2017-03 Dispositivos de corto alcance (SRD); Equipos de radio utilizados en el rango de frecuencia de 1 GHz a 40 GHz

EN 301 489-1 v2.1.1 2017-02 Estándar de compatibilidad electromagnética (EMC) para equipos y servicios de radio; Parte 1: Requisitos técnicos comunes

EN 301 489-17 v3.1.1 2017-02 Estándar de compatibilidad electromagnética (EMC) para equipos y servicios de radio; Parte 17: Condiciones específicas para sistemas de transmisión de datos de banda ancha

IEC 62479:2010 Evaluación del cumplimiento de equipos eléctricos y electrónicos de bajo consumo con las restricciones básicas relativas a la exposición humana a campos electromagnéticos (10 MHz a 300 GHz)

EN 301 489-3 v2.1.1 2017-03 Estándar de compatibilidad electromagnética (EMC) para equipos y servicios de radio; Parte 3: Condiciones específicas para dispositivos de corto alcance (SRD) que funcionan con frecuencias de entre 9 kHz y 246 GHz

Fabricado por:	GARMIN International	&	GARMIN Corporation
Dirección del fabricante:	1200 E. 151 st Street		No.68, Zhangshu 2nd Rd.,
	Olathe, Kansas 66062		Xizhi Dist., New Taipei City 221,
	U.S.A.		TAIWÁN, R.O.C.

Representante autorizado: GARMIN (Europe) Ltd. Liberty House,
Hounsdown Business Park, Southampton,
Hampshire, SO40 9LR, Reino Unido.

Tipo de equipo: Equipos de tecnología de la información (Receptor de sistema de posicionamiento global)

Número(s) de modelo: Garmin Drive 51 x y ("x", si se utiliza, describe el software de mapa preinstalado; "y" puede ser LM, LT, LMT, LMT-BC, LMT-D o LMT-HD, LMT-S, o estar en blanco)

Garmin Drive 51 x y: 2.4 GHz @ 3 dBm nominales

El abajo firmante certifica por la presente que el equipo cumple con las directivas expresadas anteriormente



Ryan House
Asociado de Calidad
Garmin (Europe) Ltd

13/6/2017

Emissão: 23/08/2016

Revisão: 13/6/2017

DECLARAÇÃO de CONFORMIDADE

Aplicação da Diretiva do Conselho: 2014/53/EU, 2011/65/EU

Norma em relação à qual é declarada conformidade:

IEC 60950-1:2005 (2.ª edição)+A1:2009+A2:2013**EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013** Equipamento de tecnologia da informação.

Segurança. Requisitos gerais

EN 55032:2012 (CISPR 32) Compatibilidade eletromagnética de equipamento multimédia – Requisitos de emissões**EN 300 328 v2.1.1 2016-11** Sistemas de transmissão em banda larga; Equipamento de transmissão de dados a funcionar na banda ISM de 2,4 GHz e a utilizar técnicas de modulação da banda larga**EN 300 440 v2.1.1 2017-03** Equipamentos de curto alcance (SRD); Equipamento de rádio destinado à amplitude de frequências de 1 GHz a 40 GHz**EN 301 489-1 v2.1.1 2017-02** Norma de compatibilidade eletromagnética (EMC) para serviços e equipamento de rádio; Parte 1: Requisitos técnicos comuns**EN 301 489-17 v3.1.1 2017-02** Norma de compatibilidade eletromagnética (EMC) para serviços e equipamento de rádio; Parte 17: Condições específicas para sistemas de transmissão de dados em banda larga**IEC 62479:2010** Avaliação da conformidade dos equipamentos eletrónicos e eléctricos de baixa potência com as restrições básicas relacionadas com a exposição humana a campos eletromagnéticos (10 MHz a 300 GHz)**EN 301 489-3 v2.1.1 2017-03** Norma de compatibilidade eletromagnética (EMC) para serviços e equipamento de rádio; Parte 3: Condições específicas para equipamentos de curto alcance (SRD) que funcionam em frequências compreendidas entre 9 kHz e 246 GHz

Fabricado por:	GARMIN International	e	GARMIN Corporation
Endereço do fabricante:	1200 E. 151 st Street		No.68, Zhangshu 2nd Rd.,
	Olathe, Kansas 66062		Xizhi Dist., New Taipei City 221,
	E.U.A.		TAIWAN, R.C.

Representantes autorizados:	GARMIN (Europe) Ltd. Liberty House, Hounsdown Business Park, Southampton, Hampshire, SO40 9LR, Reino Unido
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Tipo de equipamento: Posicionamento Global)	Equipamento de tecnologia da informação (Recetor de Sistema de
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Número(s) de modelo:	Garmin Drive 51 x y (se utilizado, "x" descreve o software de mapa pré-carregado; "y" pode ser LM, LT, LMT, LMT-BC, LMT-D ou LMT-HD, LMT-S ou estar em branco)
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Garmin Drive 51 x y:	2.4 GHz @ 3 dBm nominal
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O abaixo assinado declara que o equipamento está em conformidade com as diretivas apresentadas acima

Ryan House
Responsável de qualidade
Garmin (Europe) Ltd

13/6/2017

CE EMC CERTIFICATION REPORT

EN 301 489-1 V2.1.1
EN 301 489-3 V2.1.1
EN 301 489-17 V3.1.1

Model: Drive 51
012-02872-XX

Test Date: Radiated Emission Test
Conducted Emissions Test
Immunity, Radiated Radio- Frequency
Immunity, Electrostatic Discharge

See Test Lab Report
See Test Lab Report
Apr 18, 2017
May 27, 2016

Project Engineer: Kris Scott



Date: May 8, 2017

1) Applicable Standards and Test Procedures.

- a) International Electro Technical Commission CISPR 22:2010 and CISPR 32:2012
Class B: Conducted
Class B: Radiated
- b) Electromagnetic Compatibility – Generic Immunity Standard EN 61000-6-1: 2007.
EN 61000-4-2:2009: Immunity Electrostatic Discharge
EN 61000-4-3:2010: Immunity Radio-Frequency Electromagnetic Field

2) Equipment Tested:

DUT: Garmin Drive 51

3) Equipment and Cable Configuration:

Conducted Emissions: Test was conducted by Outside Test Lab. Refer to the Outside Test Lab report. Drive 51 FCC PART 15B, EN55022:2010 (CISPR 22) and EN55032:2012 (CISPR 32)

Radiated Emissions: Test was conducted by Outside Test Lab. Refer to the Outside Test Lab report. Drive 51 FCC PART 15B, EN55022:2010 (CISPR 22) and EN55032:2012 (CISPR 32)

Immunity Electrostatic Discharge: The test set up was configured as per figure 5 for table-top equipment from EN 61000-4-2:2009. The DUT was placed on a horizontal coupling plane, 1.6m X 0.8m copper ground plane 0.64mm thick, on top of the table. All the tests were carried out as specified in EN 61000-4-2:2009.

Immunity Radio Frequency Electromagnetic Field: The DUT was placed at the front of a wooden table 0.8m high inside an anechoic room. A biconilog antenna was placed 1.3 m from the DUT inside the room. The signal level was set up to be at or above 3V/m. A USB cable was connected to the DUT to supply the 5Vdc power and for transmission and receipt of data.

4) Equipment:

Refer to appendix for list of Equipment.

5) Test Site Locations:

- a) Conducted and Radiated EMI:
Outside Test Lab is Rogers Labs Inc. located at 4405 West 259th Terr. Louisburg, KS.
- b) Immunity Radiated Radio and Electrostatic Discharge:
Garmin International, located at 1200 East 151st Street, Olathe, KS.

6) Measurement Procedures:

Conducted Emissions: Test was conducted by Outside Test Lab. Refer to the Outside Test Lab report. Drive 51 FCC PART 15B, EN55022:2010 (CISPR 22) and EN55032:2012 (CISPR 32)

Radiated Emissions: Test was conducted by Outside Test Lab. Refer to the Outside Test Lab report. Drive 51 FCC PART 15B, EN55022:2010 (CISPR 22) and EN55032:2012 (CISPR 32)

Radio-frequency electromagnetic field:

This test was conducted inside an anechoic chamber. The DUT was placed on a 0.8m X 0.8m table, 0.8m above the ground plane. A USB cable was connected to the DUT to supply the 5Vdc power and for transmission and receipt of data. The modulated test signal was radiated through a biconilog antenna 1.3m from the DUT. GPS test signals were also radiated inside the chamber to the unit to achieve satellite acquisition. The DUT was radiated on the front and back and in both the horizontal and vertical axis.

Electrostatic Discharge:

The DUT was powered through the cigarette lighter adapter cable. The satellite signal was radiated from the lab radiator. An electrostatic air discharge of +/- 8KV was applied to front and rear case, switch, display screen, any visible screws and the horizontal and vertical coupling plane. An electrostatic contact discharge of +/- 4KV was applied to all conductive parts of the DUT. All discharges were repeated a minimum of 10 times at an interval of no less than 1 second between discharges, with the DUT being discharged to ground after each applied discharge.

7) Summary of Results:

Electrostatic Discharge:

Air Discharge: The DUT showed normal performance within the specified limits. No degradation or loss of function was detected throughout the testing. Unit meets the requirements set forth in EN 61000-4-2:2009 to levels specified in EN 61000-6-1:2007.

Contact Discharge: The DUT showed normal performance within the specified limits. No degradation or loss of function was detected throughout the testing. Unit meets the requirements set forth in EN 61000-4-2:2009 to levels specified in EN 61000-6-1:2007.

Radio-frequency Electromagnetic Field:

Temporary degradation or loss of function or performance, which ceases after the disturbance ceases, and from which the equipment under test recovers its normal performance, without operator intervention. The DUT experienced degradation or loss of signal from the radiated GPS antenna, while the Electromagnetic field was present. The DUT self-recovered after the field was removed. The DUT meets the requirements of EN 61000-4-3:2010.

Appendix:

Test Equipment (calibration due date):

1. Signal Generator : Agilent Model E4428C (4/12/2018)
2. Antenna : Biconilog Type 5 EID 5960 (9/6/2018)
3. Amplifier : RF-Lambda Model RAMP0G06GA (4/5/2018)
4. Satellite 16 Generator : EID 5592 (8/11/2017)
5. Garmin Antenna : Right Hand Polarized Circular
6. ETS-Lindgren Isotropic Field Probe FP75264 (10/21/2017)
7. NoiseKen Electrostatic Discharge Gun Model# TC-815R (4/5/2017)
8. NoiseKen Electrostatic Discharge Simulator Model# ESS-2000 (4/5/2017)