



EC Declaration of Conformity

Harman Becker Automotive Systems GmbH
 Becker-Göring-Str. 16
 D-76307 Karlsbad, Germany

declares under our sole responsibility, that the product

Description of object : Telematic Control Unit used in automotive industry
Brand / Model Name : VOLVO / TCAM2
Type name of system : L172, L259

is conform to the provisions of the directives:

Directive, short title	Description, long title of the directive
2014/53/EU RED directive	Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC Text with EEA relevance. <i>Official Journal L 153, 22.5.2014</i>

Based on the evidence presented in the Technical Documentation, **DEKRA Testing and Certification, S.A.U.** acting as Notified Body - **No. 1909** for the Radio Equipment Directive 2014/53/EU, verified and attested with **EU Type Examination Certificate - acc. Module B of ANNEX 3:**

Registration number: **76298RNB.001**

that the technical design of the radio equipment meets certain essential requirements of European Directive 2014/53/EU, as indicated in more details on page 2.

Thus,  is placed on the product

The Technical Documentation (TD) relevant to the product described above and which supports this Declaration of Conformity, is held at: Harman Becker Automotive Systems GmbH, Becker-Goering-Str.16, 76307 Karlsbad (Germany)

Additional information about the conformity to this EU directive is listed in the Attachment.

This declaration is showing the compliance to the noted directive and to other product relevant European directives. The declaration covers all devices manufactured according to the related technical documentation.


Declared by:

Mr. Mihail Mandru, Product Compliance Expert

Regulatory Product Compliance Expert – Center of Excellence Automotive / Product Reliability / Certification

 Karlsbad
 (Place)

 27.07.2023
 (Date)

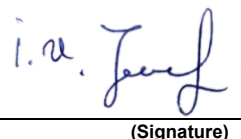

 (Signature)




Mr. Ionut Ionita, Product Compliance Expert

Regulatory Product Compliance Expert – Center of Excellence Automotive / Product Reliability / Certification

 Karlsbad
 (Place)

 27.07.2023
 (Date)


 (Signature)

	Attachment to DoC		 
	Model: Customer: Description of Project: Type: Document version:	TCAM2 VOLVO Telematic Control Unit L172, L259 V2.0	

The following requirements have been applied:

Directive reference:	Standard – Detail	Version/ Release date	Description of standard
72/245/EEC European EMC vehicle directive	2009/19/EC	03/2009	European Vehicle EMC Directive
2014/53/EU RED directive Part 3.1a	EN 62368-1	2014+AC 2015 +AC 2017+A11 2017	Audio/video, information, and communication technology equipment Safety – Requirements
	EN 62209-2	2010 + A1:2019	Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)
	EN 50566	2017	Product standard to demonstrate the compliance of wireless communication devices with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 30 MHz to 6 GHz: hand-held and body mounted devices in close proximity to the human body
2014/53/EU RED directive Part 3.1b	EN 301 489 – Part 01	2.2.3	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements
	EN 301 489 – Part 03	2.3.2	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; Harmonised Standard for Electromagnetic Compatibility.
	Draft EN 301 489 - Part 17	3.2.5	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems
	EN 301 489 - Part 19	2.2.1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 19: Specific conditions for Receive Only Mobile Earth Stations (ROMES) operating in the 1.5 GHz band providing data communications and GNSS receivers operating in the RNSS band (ROGNSS) providing positioning, navigation, and timing data
	EN 301 489 - Part 52	1.2.1	Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 52: Specific conditions for Cellular Communication Mobile and portable (UE) radio and ancillary equipment.
	EN 55032	(2015)/A11 (2020)	Electromagnetic compatibility of multimedia equipment - Emission requirements.
	EN 55035	(2017)/A11 (2020)	Electromagnetic compatibility of multimedia equipment - Immunity requirements.
2014/53/EU RED directive Part 3.2	EN 301 511	12.5.1	Global System for Mobile communications (GSM); Mobile Stations (MS) equipment; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
	EN 300 328	2.2.2	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz band; Harmonised Standard for access to radio spectrum.
	EN 301 908-1	15.1.1	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 1: Introduction and common requirements
	EN 301 908 - 2	13.1.1	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 2:
	EN 301 908 - 13	13.2.1	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 13:
	EN 301 908 - 25	15.1.1_15.0.3 DRAFT	IMT cellular networks; Harmonised Standard for access to radio spectrum; Part 25:
	EN 303 413	1.2.1	Satellite Earth Stations and Systems (SES); Global Navigation Satellite System (GNSS) receivers; Radio equipment operating in the 1 164 MHz to 1 300 MHz and 1 559 MHz to 1 610 MHz frequency bands
	EN 300 220-1	3.1.1	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 1. Technical characteristics and methods of measurement
	EN 300 220-2	3.1.1	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 2. Harmonized Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU for nonspecific radio equipment.
2000/53/EC ELV directive	2000/53/EC	09/2000	End of life vehicles (ELV)