Notified Body

TÜV Rheinland
LGA Products GmbH

Tillystraße 2
90431 Nürnberg
notified by the
Bundesnetzagentur für Elektrizität, Gas,
Telekommunikation, Post und Eisenbahnen

under No. 0197

herewith issues an

EU-Type Examination Certificate

within the meaning of Annex III Module B of the 2014/53/EU Radio Equipment Directive (RED)
for compliance with the essential requirements of this directive

Registration Number:	RT 60171056 0001
Evaluation Report Nr.:	CN23N6DL 001
Manufacturer:	Harman International Industries, Incorporated 8500 Balboa Blvd. Northridge CA 91329 USA
Product:	Radio Equipment (BLUETOOTH HEADSET)
Type Identification:	BLUETOOTH HEADSET (JBL)
Essential requirements:	2014/53/EU (RED) Article 3.1a Health Article 3.1a Electrical Safety Article 3.1b EMC Article 3.2 Radio spectrum

The technical design of the assessed type has been verified based on the technical documentation presented by the manufacturer according to Annex III Module B of the Directive. As far as the essential requirements indicated, the Notified Body of TÜV Rheinland LGA Products GmbH confirms, that the technical design of the apparatus meets the essential requirements of the Directive 2014/53/EU Article 3.
This certificate consists of this page and Annex I.
Validity of the certificate is specified in the Annex I.

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

Notified Body

S. Peng

Date **28.06.2023**

Equipment

Product : BLUETOOTH HEADSET
Trademark : JBL
Identification : SOUNDGEAR SENSE
Product description : The device is Bluetooth Headset, which supports Bluetooth dual mode technology.

System description

Frequency band(s) of operation	:	2400-2483.5MHz
Operating frequency	:	2402-2480MHz
Channel spacing / bandwidth	:	Bluetooth:1MHz / 1.1941MHz Bluetooth LE: 2MHz / 1.9841MHz
RF output power	:	Bluetooth: 6.12dBm (Max. e.i.r.p.) Bluetooth LE: 6.55dBm (Max. e.i.r.p.)
Type of modulation	:	GFSK, pi/4-DQPSK, 8-DPSK
Type of antenna	:	FPC Antenna
Mode of operation (simplex / duplex)	:	Duplex
Duty cycle (access protocol, if applicable)	:	Up to 100%
Hardware version	:	V0E
Software version	:	0.6.0

Documentation

User information and installation instructions	☒
Block diagram	☒
Circuit diagram	☒
Part list	☒
PCB layout	☒
Photo documentation	☒
Versions of firmware/software used	☒
Statement of compliance with art. 10.2 it can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.	☒
Risk Analysis	☒

Conformity Assessment

Applied harmonised standards
(Referred to the publication of harmonised standards in the official Journal of the EU at the time of issuance)

Article	Standard	Test Report No.	Issued by
3.1a Health			
3.1a Safety			
3.1b EMC			
3.2 Radio	EN 300 328 V2.2.2 (2019-07)	CN23NYTX 001 CN23NYTX 002	TÜV Rheinland (Shenzhen) Co., Ltd.
3.3 Others			

Applied non-harmonised standards

Article	Standard	Test Report No.	Issued by
3.1a Health	EN 50663:2017 EN 62479:2010	CN23NYTX 001 CN23NYTX 002	TÜV Rheinland (Shenzhen) Co., Ltd.
3.1a Safety	EN 62368-1:2014+A11: 2017; EN IEC 62368-1:2020+A11:2020	CN23YKGX 001; CN239O4T 001	TÜV Rheinland (Shenzhen) Co., Ltd.
3.1b EMC	EN 301 489-1 V2.2.3 (2019-11) EN 301 489-17 V3.2.4 (2020-09); EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021 EN 55032:2015+A11:2020 EN 55032:2015+A1:2020 EN 55035:2017+A11:2020	CN23NYTX 003; CN23NYTX 004;	TÜV Rheinland (Shenzhen) Co., Ltd.
3.2 Radio			
3.3 Others			

Other solutions, adopted to meet the essential requirements			
Article	**Standard**	**Test Report No.**	**Issued by**
3.1a Health			
3.1a Safety			
3.1b EMC			
3.2 Radio			
3.3 Others			

Rationale for applied non-harmonised standards or other solutions:

- EN 50663 Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz).
- EN 62479 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 62368-1 / EN IEC 62368-1 Audio/video, information and communication technology equipment - Part 1: Safety requirements.
- EN IEC 61000-3-2 Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ⩽ 16 A per phase); EN 61000-3-3 Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply.
- EN 55032 Electromagnetic compatibility of multimedia equipment – Emission Requirements; EN 55035 Electromagnetic compatibility of multimedia equipment – Immunity requirements; EN 55035 Electromagnetic compatibility of multimedia equipment - Immunity requirements.
- EN 301 489-1 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; EN 301 489-17 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems.

Remarks:

- This Type Examination Certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.
- This Type Examination Certificate only relates to the assessment of technical documentation to verify that the technical design of radio equipment meets the essential requirements of the RED 2014/53/EU and will not show compliance with essential requirements of other possible applicable EU Directives.
- The manufacturer has declared in compliance with art. 10.2 that the Radio Equipment can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.
- Validity of this Type Examination Certificate is limited to the versions of the applied standard. If versions of standards change or modifications are made to the product, this Certificate will be invalidated.