

Certificate
262140343/AA/02



Issued **05-08-2026** First issue **--**
Valid until **--** Page **1 of 1**

EU-type examination certificate (Module B)

In compliance with the procedure specified in the **Radio Equipment Directive Scheme** RD_061, Kiwa Nederland B.V. declares as designated Notified Body 0063 for the Radio Equipment Directive 2014/53/EU (including amending Directives and/or Regulations), that the stated product complies with the essential requirements of Article 3 of Directive 2014/53/EU as indicated under Annex 1 of this certificate and based on the applied technical standards and specifications as listed in Annex 2 of this certificate.

Product description: Smart Everyday Vehicle
Trademark / brand name: STRUTT
Type/model designation: Strutt ev¹
Hardware version: v1.0.0.0
Software version: v1.0.0.0
Variants: See Annex 3 of this certificate

This certificate is granted to manufacturer:

Name: Shenzhen Ruochuang Intelligent Manufacturing Co. Ltd.
Address: Room 802, Building 1, Jia'an Science Park, No. 2 Longchang Road, Area 67, Xingdong Community, Xin'an Street, Bao'an District, Shenzhen City, Guangdong, the PRC
Country: China

Wim van Loon
Managing Director Nederland

This certificate has three Annexes.

Disclosure of the certificate in full is permitted.

This certificate remains valid as long as the listed product(s) maintain a continued compliance with the essential requirements of Directive 2014/53/EU.



Annex 1 to EU-type examination certificate

General Conditions

Each product which is covered by this EU-type examination certificate complies with the essential requirements of Directive 2014/53/EU as follows:

Article 3.1

Radio equipment shall be constructed so as to ensure:

- C (a) the protection of health and safety of persons and of domestic animals and the protection of property, including the objectives with respect to safety requirements set out in Directive 2014/35/EU, but with no voltage limit applying;
- C (b) an adequate level of electromagnetic compatibility as set out in Directive 2014/30/EU.

Article 3.2

- C Radio equipment shall be so constructed that it both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.

Article 3.3

Radio equipment within certain categories or classes shall be so constructed that it complies with the following essential requirements:

- NA (a) radio equipment interworks with accessories other than the charging devices for the categories or classes of radio equipment, specified in Part I of Annex Ia of Directive 2014/53/EU, which are specifically referred to in paragraph 4 of this Article;
- NA (b) radio equipment interworks via networks with other radio equipment;
- NA (c) radio equipment can be connected to interfaces of the appropriate type throughout the Union;
- NP (d) radio equipment does not harm the network or its functioning nor misuse network resources, thereby causing an unacceptable degradation of service;
- NP (e) radio equipment incorporates safeguards to ensure that the personal data and privacy of the user and of the subscriber are protected;
- NA (f) radio equipment supports certain features ensuring protection from fraud;
- NA (g) radio equipment supports certain features ensuring access to emergency services;
- NA (h) radio equipment supports certain features in order to facilitate its use by users with a disability;
- NA (i) radio equipment supports certain features in order to ensure that software can only be loaded into the radio equipment where the compliance of the combination of the radio equipment and software has been demonstrated.

Article 3.4

- NA Radio equipment falling within the categories or classes specified in Part I of Annex Ia of Directive 2014/53/EU shall be so constructed that it complies with the specifications relating to charging capabilities set out in that Annex for the relevant category or class of radio equipment.

Legend

- C = Conform
- NC = Not Conform
- NA = Not applicable (for this product)
- NP = Not performed (in this certificate)

Annex 1 to EU-type examination certificate

- This EU-type examination certificate does not cover or implies conformity with the requirements of other Directives and/or Regulations than Directive 2014/53/EU.
- This EU-type examination certificate has been issued in accordance with the relevant conformity assessment procedures in Article 17 and Annex III, module B, of Directive 2014/53/EU
- The validity of this EU-type examination certificate is limited to those products which are covered by the technical documentation of the manufacturer and as submitted by the manufacturer to the Notified Body for the conformity assessment.
- When the manufacturer places the products as covered by this EU-type examination certificate on the European Union market or the countries of the EEA, they are obliged to affix the CE marking to the product. The CE marking confirms conformity with the requirements of all EU harmonization legislation to which the product needs to comply.

In addition to affixing the CE marking the manufacturer has to draw up and issue an EU Declaration of Conformity, declaring that the products as covered by this EU-type examination certificate are in compliance with the requirements of Directive 2014/53/EU and any other EU harmonization legislation applicable to the product(s).

- Manufacturers shall ensure that a product which they have placed on the market bears a type/model, batch or serial number or other element allowing its identification, or, where the size or nature of the product does not allow it, that the required information is provided on the packaging, or in a document accompanying the product.
- Manufacturers shall indicate on the product their name, registered trade name or registered trade mark and the postal address at which they can be contacted or, where the size or nature of the product does not allow it, on its packaging, or in a document accompanying the product. The address shall indicate a single point at which the manufacturer can be contacted. The contact details shall be in a language easily understood by end-users and market surveillance authorities.
- If a product as covered by this EU-type examination certificate is to be modified then Kiwa shall be notified immediately of such intended modification(s). Depending on the nature of the modification(s) Kiwa may need to perform an additional assessment on the intended modification(s) and/or revised technical documentation in consultation with the manufacturer in order to either confirm the continued validity of the existing EU-type examination certificate, or to issue a revised EU-type examination certificate for those cases where the intended modification(s) affect the conformity with one or more essential requirements of Directive 2014/53/EU.
- Enforcement of a new amending directive or Delegated Regulation voids the validity of this EU-type examination certificate.
- The validity of this EU-type examination certificate, as far as article 3.3 d / e/ f is concerned, expires on the date on which either the Commission Delegated Regulation (EU) 2022/30/EU will be repealed by the European Commission or on the date as set by an amendment to the Commission Delegated Regulation (EU) 2022/30/EU which may indicate the end date of the transition period between the Commission Delegated Regulation (EU) 2022/30/EU and Regulation (EU) 2024/2847 (Cyber Resilience Act or CRA).
- In the event that standards which are referenced in this EU-type examination certificate are withdrawn or superseded or when standards are published indicating a change in the state of art and/or cover new technologies which were previously not covered by any published standard then Kiwa may need to perform an additional assessment in consultation with the manufacturer in order to either confirm the continued validity of the existing EU-type examination certificate or to issue a revised EU-type examination certificate for those cases where the conformity will be affected with one or more essential requirements of Directive 2014/53/EU.

Remarks and observations

The following conditions are applicable:

AA/02: Changed 1) Appearance 2) Hardware Structure 3) Software Function.

AA/01: Based on 262140343/AA/00: changed manufacturer.

Annex 1 to EU-type examination certificate

The two models differ in:

1. appearance
2. hardware and structure
3. software

Maximum reported SAR value (10g) Body: 0.082 W/kg @ 0 mm.

Device is restricted to indoor use only when operating within 5150-5350 MHz frequency range.

DFS: Slave without radar detection.

Device is restricted to indoor use only when operating within 5150-5350 MHz frequency range.

This certificate does not include RED Articles 3.3 (d),(e).

Demonstrating compliance with the essential requirements of Article 3.3 (d),(e) of the Radio Equipment Directive 2014/53/EU, as well as completing/amending the technical documentation relating to coverage of Articles 3.3 (d),(e) remains the sole responsibility of the manufacturer.

Annex 2 to EU-type examination certificate

Documentation lodged for this EU-type examination certificate

Test Reports:

- Hefei SUNGO Medical Technology Co., Ltd.: SGTHF-202502009-18-G2, 08 June 2026
- Shenzhen Morlab Communications Technology Co., Ltd: SZ26060318E01, 28 July 2026
- Shenzhen Morlab Communications Technology Co., Ltd: SZ26060318E02, 28 July 2026
- Shenzhen Morlab Communications Technology Co., Ltd: SZ26060318S01, 31 July 2026
- Shenzhen Morlab Communications Technology Co., Ltd: SZ26060318W01, 28 July 2026
- Shenzhen Morlab Communications Technology Co., Ltd: SZ26060318W02, 28 July 2026
- Shenzhen Morlab Communications Technology Co., Ltd: SZ26060318W03, 28 July 2026
- Shenzhen Morlab Communications Technology Co., Ltd: SZ26060318W04, 28 July 2026
- Shenzhen Morlab Communications Technology Co., Ltd: SZ26060318W05, 28 July 2026

Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electrical diagrams
- External photos
- Manual
- Label and label placement
- Test setup photos
- Risk assessment

Technical Standards and Specifications

The product is compliant with:

EN 303 413	April, 2021	V1.2.1
EN 12184	2022	
EN 300 328	July, 2019	V2.2.2
EN 301 489-1	November, 2019	V2.2.3
EN 301 489-17	September, 2024	V3.3.1
EN 301 489-19	September, 2022	V2.2.1
EN 301 489-52	November, 2024	V1.3.1
EN 301 893	November, 2024	V2.2.1
EN 301 908-1	January, 2023	V15.2.1
EN 301 908-13	October, 2024	V13.3.1
EN 50566:2017+A1:2023	August, 2023	
EN 50663	October, 2017	
EN 55032:2015+A1:2020	December, 2020	
EN 55035:2017+A11:2020	May, 2020	
EN 61000-3-3:2013+A1:2019+A2:2021+AC:2022-01	January, 2022	
EN 62209-2:2010+A1:2019	July, 2019	
EN IEC 61000-3-2:2019+A1:2021+A2:2024		

Annex 2 to EU-type examination certificate

Technical features and characteristics

The product includes the following features and characteristics:

BDS receiver

- Operating frequency range: 1559-1610 MHz

GLONASS receiver

- Operating frequency range: 1559-1610 MHz

GPS receiver

- Operating frequency range: 1559-1610 MHz

Bluetooth LE

- Operating frequency range: 2402-2480 MHz (40 channels)
- Maximum output power: 6.22 dBm EIRP average (calculated)
- Maximum antenna gain: 2.15dBi

IEEE 802.11b/g/n (20/40 MHz)

- Operating frequency range: 2412-2472 MHz (13/9 channels)
- Maximum output power: 18.46 dBm EIRP average (calculated)
- Maximum antenna gain: 4.92 dBi

IEEE 802.11a/n/ac(20/40/80 MHz)

- Operating frequency range: 5180-5240 MHz (4/2/1 channels)
- Maximum output power: 15.98 dBm EIRP average (calculated)
- Maximum antenna gain: 2.74 dBi

IEEE 802.11a/n/ac(20/40/80 MHz)

- Operating frequency range: 5260-5320 MHz (4/2/1 channels)
- Maximum output power: 17.02 dBm EIRP average (calculated)
- Maximum antenna gain: 3.07 dBi

IEEE 802.11a/n/ac(20/40/80 MHz)

- Operating frequency range: 5500-5700 MHz (11/5/2 channels)
- Maximum output power: 18.48 dBm EIRP average (calculated)
- Maximum antenna gain: 3.99 dBi

IEEE 802.11a/n/ac(20/40/80 MHz)

- Operating frequency range: 5745-5825 MHz (5/2/1 channels)
- Maximum output power: 12.38 dBm EIRP average (calculated)
- Maximum antenna gain: 5.11 dBi

LTE FDD Band 1

- Operating frequency range: 1920-1980, 2110-2170 MHz
- Maximum output power: 23 dBm rated

LTE FDD Band 3

- Operating frequency range: 1710-1785, 1805-1880 MHz
- Maximum output power: 23 dBm rated

LTE FDD Band 7

- Operating frequency range: 2500-2570, 2620-2690 MHz
- Maximum output power: 23 dBm rated

LTE FDD Band 8

- Operating frequency range: 880-915, 925-960 MHz
- Maximum output power: 23 dBm rated

LTE FDD Band 20

- Operating frequency range: 703-748, 758-803 MHz
- Maximum output power: 23 dBm rated

LTE FDD Band 28

- Operating frequency range: 703-748, 758-803 MHz
- Maximum output power: 23 dBm rated

LTE TDD band 34

- Operating frequency range: 2010-2025 MHz
- Maximum output power: 23 dBm rated

LTE TDD Band 38

- Operating frequency range: 2570-2620 MHz
- Maximum output power: 23 dBm rated

LTE TDD Band 40

- Operating frequency range: 2300-2400 MHz
- Maximum output power: 23 dBm rated

Annex 3 to EU-type examination certificate

The product as described in this certificate includes the following type/model designations:

- Product description: Smart Everyday Vehicle
- Trademark: STRUTT
- Type designation: Strutt ev¹
- Hardware version: v1.0.0.0
- Software version: v1.0.0.0

- Product description: Smart Everyday Vehicle
- Trademark: STRUTT
- Type designation: Strutt ev¹c
- Hardware version: v1.0.0.0
- Software version: v1.0.0.0

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- Hardware version: v1.0.0.0
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