



EU-Type Examination Certificate

Number: 1304-RED-0019

Project file: C20171642

This certificate is issued in accordance with Article 17 and Annex III of the Radio Equipment Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014.

Applicant: TELTONIKA
Saltoniskiu st. 10c, LT-08105 Vilnius, Lithuania

Product: Automotive router

Type reference: RUT850

Trademark: 

Manufacturer: TELTONIKA
Saltoniskiu st. 10c, LT-08105 Vilnius, Lithuania

This EU-type examination certificate is given in respect of compliance of radio equipment with the essential requirements set out in Article 3 of the Radio Equipment Directive 2014/53/EU and concerns the product identified above and its compliance with the following essential requirements:

| Essential Requirements | Assessed | Result |
|--|----------|----------------|
| Health and safety Article 3.1(a) | Yes | Conform |
| Electromagnetic compatibility Article 3.1(b) | Yes | Conform |
| Radio spectrum Article 3.2 | Yes | Conform |
| Radio equipment within certain categories or classes Article 3.3 | No | Not applicable |

Notified body: SIQ Ljubljana
Tržaška cesta 2, SI-1000 Ljubljana, Slovenia

Notification number: 1304

This certificate will remain valid as long as the circumstances relevant for its issue remain unchanged. This conformity assessment is limited to the essential requirements of the Radio Equipment Directive 2014/53/EU. Only products fulfilling all essential requirements of all applicable directives may be placed on the market and put into service. Products in compliance with all provisions of the applicable directives providing for the CE marking must bear this marking.

Date: 2017-08-16

Authorized signature:

Marijan Mak



Only integral publication of this certificate is allowed. This certificate may only be reproduced in its entirety and without any changes. On request SIQ will give information about the validity of the certificate.

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Ratings and technical description of product:

Intended use: on board internet
Power supply: 12-24 Vdc; 250 mA
Protection class: III

| | |
|------------------|--------------------|
| Hardware version | RUT850_04 |
| Software version | RUT850_R_XX.XX.XXX |

Temperature: up to 75°C

RUT850_R_XX.XX.XXX

RUT850: *radio equipment type*

R: "*Software part*" *radio interface and safety functions*

XX.XX.XXX: "*Software part*" *other comfort functions, bug fixing*

Place(s) of manufacture:

TELTONIKA
Liepkalnio st. 132A, LT-02121 Vilnius, Lithuania

Technical description of built in RF module(s):

| | |
|--------------------------------------|--|
| Product name: WiFi module | 2G / 3G / LTE Wireless Module |
| Type reference: AR9344-DC3A | LE910-EU V2 |
| Trademark: Atheros | Telit |
| Manufacturer: Qualcomm Atheros | Telit |
| Frequency Range: 2.4 GHz Wifi | E-GSM 900, DCS 1800 WCDMA/HSPA: FDD I, FDD VIII LTE: FDD 1, FDD 3, FDD 7, FDD 8, FDD 20 |
| Modulation: 802.11n 802.11b/g | GSM/GPRS: GMSK EDGE: 8PSK WCDMA/HSPA: QPSK LTE: QPSK, 16QAM |
| Transmitted Power: Max. 20 dBm | Max. 32,5 dBm (+1/-3 dBm) |
| Hardware Version: 0 | 0 |
| Software Version: RUT850_R_XX.XX.XXX | 20.00.402 |

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Technical documentation and supporting evidence:

Health and safety - Article 3.1(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.

| Testing Laboratory | Technical standards and specifications | Test Report No. |
|--------------------|---|---------------------|
| SIQ Ljubljana | EN 60950-1:2006 + A1:2010 + A2:2013 + A11:2009 + A12:2011 | T223-0021/17 |
| JSC Teltonika | EN 62311:2008 | TLTK-20170320RUT-85 |

Electromagnetic compatibility - Article 3.1(b)

An adequate level of electromagnetic compatibility as set out in Directive 2014/30/EU.

| Testing Laboratory | Technical standards and specifications | Test Report No. |
|--------------------|---|-----------------|
| SIQ Ljubljana | draft EN 301 489-1 V2.2.0 draft EN 301 489-17 V3.2.0 draft EN 301 489-52 V1.1.0 | T251-0544/17 |

Efficient use of radio spectrum - Article 3.2

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.

| Testing Laboratory | Technical standards and specifications | Test Report No. |
|--------------------|---|------------------|
| DECRA | EN 301 511 V12.5.1 EN 301 908-1 V11.1.1 EN 301 908-2 V11.1.1 EN 301 908-13 V11.1.1 | 53258RMV.001 |
| RRT | EN 300 328 V2.1.1 | Nr. (29.1) PB-37 |

Radio equipment within certain categories or classes - Article 3.3

- (a) radio equipment interworks with accessories, in particular with common chargers;
- (b) radio equipment interworks via networks with other radio equipment;
- (c) radio equipment can be connected to interfaces of the appropriate type throughout the Union;
- (d) radio equipment does not harm the network or its functioning nor misuse network resources, thereby causing an unacceptable degradation of service;
- (e) radio equipment incorporates safeguards to ensure that the personal data and privacy of the user and of the subscriber are protected;
- (f) radio equipment supports certain features ensuring protection from fraud;
- (g) radio equipment supports certain features ensuring access to emergency services;
- (h) radio equipment supports certain features in order to facilitate its use by users with a disability;
- (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.

| Testing Laboratory | Technical standards and specifications | Test Report No. |
|--------------------|--|-----------------|
| / | / | / |

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