

EU-Type Examination Certificate

2051-RED-220901

In compliance with Radio Equipment Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment, this certificate applies to the product(s)

GNSS receiver module

Model: PNT-SG3FS

Placed on the market under the name or trade mark of

Lantronix Inc.
7535 Irvine Center Drive, Suite 100
CA 92618 - Irvine, United States

This certificate attests that all provisions concerning the assessment and verification of performance described in the standard(s)

Art 3.1a: EN IEC 62368-1:2020 + A11:2020
Art 3.1b: ETSI EN 301 489-1 V2.2.3:2019
ETSI EN 301 489-19 V2.2.0:2020
Art 3.2: ETSI EN 303 413 V1.2.1:2021

as per Annex III (Module B) for the performance set out in this certificate, are applied.

Certificate issued March 07, 2022
This Certificate was first issued on March 07, 2022

This certificate consists of 3 pages
Certificate revision: 1.0

Nemko S.p.A.
Authorized signatory: Marco De Angelis

NB 2051

This certificate has been granted by Nemko Spa a Socio Unico, Via del Carroccio 4, 20853 Biassono (MB), Italy

This certificate remains valid for ten years from the issue date, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Nemko. Should the specified regulations or standards be amended, the products are to be re-approved prior to being placed on the market. Nemko S.p.A. is designated by the Italian Notifying Authority "Ministry of Economic Development".

Any person not a party to the contract pursuant to which this document is delivered may not assert a claim against Nemko for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel in the establishment or issuance of this document, and in connection with any activities for which it may provide.

ANNEX 1 – PRODUCT SPECIFICATIONS

PRODUCT DESCRIPTION

Equipment identification: GNSS receiver module

Model/type: PNT-SG3FS

Variants: -

Brand/trade name: **LANTRONIX**

Supply voltage: 3.3 Vdc (typ.)

Rated power/current: 43 mA max

TECHNICAL CHARACTERISTICS

Type of radio interface: GNSS

Intended purpose: GNSS standalone low power module

Class of equipment: Class I, Sub-class 07 (Receive-only radio equipment) of Commission Decision 2000/299/EC

Frequency range: GPS/Galileo: 1559 ÷ 1610 MHz
GPS L1: 1575.42 MHz
Galileo E1: 1575.42 MHz
Glonass: 1592.9525 ÷ 1610.485 MHz
Glonass G1: 1602 MHz + (n * 0.5625 MHz, n = -7, -6, -5, ..., 0, ..., 6)

Transmit power: Not applicable

Modulation type: BPSK

Antenna type: Dedicated

Firmware: STA8090_4_6_xx_CP_LIV3FL

MANUFACTURER

Name: Lantronix Inc.

Address: 7535 Irvine Center Drive, Suite 100 - CA 92618 - Irvine, United States

ADDITIONAL INFORMATION

None.

Nemko S.p.A.

Authorized signatory: Marco De Angelis

NB 2051

Nemko Italy

Nemko Spa a Socio Unico, Via del Carroccio 4, 20853 Biassono (MB)
TEL +39 039 220 12 01 FAX +39 039 220 12 21 EMAIL segreteria@nemko.com
COD.FISC./P.IVA IT02540280969 CAP.SOC. € 895.960,00 i.v. ISCR.R.I. MB 02540280969
Doc: C121_NB-RED REV. 5, 2021-02-15

ANNEX 2 - SCHEDULE OF APPROVAL

SCOPE OF EXAMINATION

- | | |
|--|----------|
| <input checked="" type="checkbox"/> Protection of Health and Safety, according to Article 3(1)(a). | COMPLIES |
| <input checked="" type="checkbox"/> Electromagnetic Compatibility (EMC), according to Article 3(1)(b). | COMPLIES |
| <input checked="" type="checkbox"/> Radio Spectrum Use, according to Article 3(2). | COMPLIES |
| <input type="checkbox"/> Special Radio Features, according to Article 3(3)(a)-(i). | N/A |

APPLICATIONS/LIMITATIONS

Nil.

MARKING OF PRODUCT

The Manufacturer and Type Designation shall be applied to the product in a visible location.
The equipment shall carry the CE marking of the European Union.

TYPE EXAMINATION DOCUMENTATION

Test report(s)

- Safety test report by Nemko SpA (id: 448552TRFSAF, dated: 2021-10-21)
- EMC test report by Nemko SpA (id: 448552-1TRFEMC, dated: 2021-09-28)
- Radio test report by Nemko SpA (id: 448552TRFWL, dated: 2021-09-28)

Additional documentation

- RED technical file by Lantronix Inc. (id: TCF-RED_PNT-SG3FS; Rev.01, dated 2022-02-15)

ADDITIONAL INFORMATION

None.

<< End of certificate >>

Nemko S.p.A.
Authorized signatory: Marco De Angelis

NB 2051