

EU-Type Examination Certificate

Certificate No.: 1622 - RED - 233003

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)

Product: Starlink dish

Model: UTA-232

Placed on the market under the name or trade mark of

Space Exploration Technologies Corporation

1 Rocket Rd.

Hawthorne, CA 90250

USA

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

- Article 3.1a): EN 62368-1:2014 + A11:2017, EN IEC 62368-1:2020 + A11:2020
EN 62311:2008
- Article 3.1b): EN 301 489-1 v2.2.3, EN 301 489-19 v2.1.1, EN 301 489-20 v2.1.1,
EN 55032: 2015+A11:2020, EN 61000-3-2: 2014, EN 61000-3-3: 2013,
EN 55035: 2017/A11:2020, EN 55024: 2010
- Article 3.2): EN 303 981 v1.3.1, EN 303 413 v1.2.1

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

Certificate revision: 1.0

TCF No.: CER180496

For NEMKO (Notified Body 1622)

Authorized Signatory



Kevin Ma, Senior Technical Assessor

Valid from 9 / 2 / 2024

Day / Month / Year


This certificate has been granted by Nemko North America, Inc. 303 River Road, Ottawa, Ontario, K1V 1H2, Canada

This certificate remains valid, 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 North America, Inc. is an SCC-accredited organisation.

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 type: **2D Flat Phased Array Antenna**
Model/type: **UTA-232**
Brand/trade name: 
Supply voltage: **PoE 57Vdc, 1.7A (x2)**
Hardware version: **02534011-501**
Software version: **Release 9CC6AF769E85**

TECHNICAL CHARACTERISTICS

Transmitter type: **Satellite Transceiver**
Intended purpose: **Satellite Communication**
Frequency range: **Tx: 14.0 – 14.5 GHz**
Rx: 10.7 – 12.75 GHz
GNSS Rx: 1599.0-1610.0 MHz
Transmit power: **3.69 W / 35.7 dBm**
Modulation type: **BPSK up to 64QAM**
Maximum duty cycle: **100%**
Number of channels: -
Channel separation: -
Antenna type: **Satellite: 2D Flat Phased Array Antenna**
GNSS: Patch Antenna
Maximum antenna gain: **36.4 dBi**

MANUFACTURER

Name: **Space Exploration Technologies Corporation**
Address: **1 Rocket Rd.**
Hawthorne, CA 90250
USA

ADDITIONAL INFORMATION

None.

ANNEX 2 - SCHEDULE OF APPROVAL

ASSESSED STANDARDS

- Protection of Health and Safety, according to Article 3(1)(a).
Standards: EN 62368-1:2014 + A11:2017, EN IEC 62368-1:2020 + A11:2020, EN 62311:2008
- Electromagnetic Compatibility (EMC), according to Article 3(1)(b).
Standards: EN 301 489-1 v2.2.3, EN 301 489-19 v2.1.1, EN 301 489-20 v2.1.1, EN 55032: 2015+A11:2020, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 55035: 2017/A11:2020, EN 55024: 2010
- Radio Spectrum Use, according to Article 3(2).
Standards: EN 303 413 v1.2.1, EN 303 981 v1.3.1
- Special Radio Features, according to Article 3(3)(a)-(f).
Standards: N/A

APPLICATIONS/LIMITATIONS

None.

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

Article	Standard	Test Report Number	Issued by
3.1a	EN 62368-1:2014 + A11:2017 EN IEC 62368-1:2020 + A11:2020	REP016971, Issued: 2023-12-26 461734, Issued: 2022-05-24 449230, Issued: 2021-12-08	Nemko USA
	EN 62311:2008	REP016446-11TRFWL, Issued: 2023-12-05	Nemko USA
3.1b	EN 301 489-1 v2.2.3 EN 301 489-19 v2.1.1 EN 301 489-20 v2.1.1	REP016446-3TRFEMC, Issued: 2023-11-09	Nemko USA
	EN 55032: 2015+A11:2020 EN 61000-3-2: 2014 EN 61000-3-3: 2013 EN 55035: 2017/A11:2020 EN 55024: 2010	REP016446-2TRFEMC, Issued: 2023-11-09	Nemko USA
3.2	EN 303 413 v1.2.1	REP016446-10TRFWL, Issued: 2023-12-05	Nemko USA
	EN 303 981 v1.3.1	REP016446-7R1TRFWL, Issued: 2023-11-27	Nemko USA

Additional documentation

Radio Equipment Directive technical file by Space Exploration Technologies Corporation

ADDITIONAL INFORMATION

None.

<< End of certificate >>