

EU Type Examination Certificate

Certificate No: DK-RED001541 i01

Certificate Holder: Lars Thrane A/S
Skovlytoften 33
2840 Holte
DENMARK

Product Type: Satellite Radio
Satellite User Terminal with Bluetooth and GNSS

Model(s): LT-3100S

We, TÜV SÜD DANMARK ApS, as Notified Body number 2443, have examined the technical documentation and supporting evidence for the above listed equipment and found it to comply with the requirements of Annex III Module B of Radio Equipment Directive 2014/53/EU in relation to the following essential requirements covered by the examination.

Essential Requirements: Article 3.1 (a) in respect of Health and Safety
Article 3.1 (b) in respect to EMC
Article 3.2 in respect to the use of the Radio Spectrum

This is based upon examination of the following Technical Data file. Please refer to the Annex for further technical details.

Technical Documentation: LT-3100S

Valid from: 2020-03-20



(Thomas Twynam)

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This certificate has been issued in accordance with the TÜV SÜD Testing and Certification Regulations and constitutes page 1 of the combined Certificate and Annex.

The CE marking may be used on the equipment described above subject to the equipment meeting the compliance requirements of all applicable EU directives.

The conditions for the validity of this certificate are listed in the Annex.
For further details related to this certification please contact BAIT@tuv-sud.co.uk

REDK1 103564 0002 Rev. 00

TÜV SÜD DANMARK ApS • Strandvejen 125 • 2900 Hellerup • Denmark

Annex to EU-Type Examination Certificate

1 Equipment Description

Iridium Satellite Communications System with Bluetooth and GNSS

1.1 Models

	Model	Description	HW Version	SW Version
Original	LT-3100S	Satellite Communications System	See 1.3 below	See 1.3 below

1.2 Supported Functions and Features

1.2.1 Non-radio features

Colour TFT display, keypad, handset, built-in speaker, SIM card.

1.2.2 Radio features

Radio	Features	Operating Spectrum / Power
Iridium	-	1.616 – 1.6265 GHz 8 W
Bluetooth V4.0	BDR, EDR, LE	2.402 – 2.480 GHz 10 mW
GNSS (GPS/GLONASS)	-	1559 – 1610 MHz Receive only

1.3 Associated Parts

Model/Part Number	Description	HW Version	SW Version
LT-3110S	Control Unit	1.00	1.00R
LT-3120	Handset	4.00	-
LT-3121	Cradle	-	-
LT-3130	Antenna Unit	2.00	1.00R
LT-3140S	Interface Unit	1.00	1.00R
LT-3150S	Alarm Panel	1.01	1.00R
LT-3160S	Printer Adapter	1.00	1.00R

2 Assessed Standards

Article 3.1(a)	Article 3.1(b)	Article 3.2
EN 60945:2002 including IEC 60945 Corrigendum 1:2008 EN 60950-1:2006/A2:2013 EN 60950-22:2006/A11:2008 EN 62311:2008 EN 60529:1992/A2:2013 EN 62368-1:2014 ISO 694	Draft EN 301 489-1 V2.2.1 Draft EN 301 489-17 V3.2.0 Draft EN 301 489-19 V2.1.0 Draft EN 301 489-20 V2.1.0 EN 60945:2002 including IEC 60945 Corrigendum 1:2008	EN 300 328 V2.1.1 EN 301 441 V2.1.1 EN 303 413 V1.1.1

3 Technical Documentation

2.1 Technical Documentation

Technical documentation and supporting evidence were examined and found to comply with the EU-type examination requirements in conjunction with Annex V requirements of the directive.

2.2 Declarations

68-102304 Rev. 1.01 LT-3100S Declaration of Conformity	Modified	2020-03-11
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2.3 Strategic Documentation

69-102301 Rev. 1.02 LT-3100S Risk Assessment	Issued	2019-05-13
68-102309 Rev. 1.00 LT-3100S Conformity Assessment Principles	Issued	2019-03-03

2.4 Technical Compliance Documentation

2.4.1 Article 3.1(a)

071-75946681-000	Issued	2020-02-11
64-101266 Issue 1.00	Issued	2017-11-13
071-75946681-020	Issued	2020-02-14

2.4.2 Article 3.1(b)

75946681-03 Issue 01	Issued	2020-01-06
75946681-02 Issue 01	Issued	2019-02-19
75946681-07 Issue 01	Issued	2019-12-19

2.4.3 Article 3.2

75946681-04 Issue 1	Issued	2020-01-06
75946681-05 Issue 1	Issued	2020-01-06
75946681-06 Issue 1	Issued	2020-01-06

3 Additional Information

None.

Signature: T. J. Twynam

Date: 2020-03-20

Print Name: Tom Twynam

On behalf of TÜV SÜD Danmark ApS