



EU Type Examination Certificate

Certificate No: BAPT-RED001297 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-3100

We, as Notified Body number 0168, 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-3100

Valid from: 2019-05-15

(Thomas Twynam)

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The certificate has been issued in accordance with the Certification Regulations of TUV SUD BABT (Notified Body Number 0168) 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 BAPT@tuv-sud.co.uk

Issued by TUV SUD BABT under document number: RED1 103564 0001 Rev. 00

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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-3100	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-3110	Control Unit	1.00	1.01R
LT-3120	Handset	4.00	-
LT-3121	Cradle	-	-
LT-3130	Antenna Unit	2.00	1.01R

2 Assessed Standards

Article 3.1(a)	Article 3.1(b)	Article 3.2
EN 60529:1992/A2:2013 EN 60945:2002 including IEC 60945 Corrigendum 1:2008 EN 60950-1:2006/A2:2013 EN 60950-22:2006/A11:2008 EN 62311:2008	Draft EN 301 489-1 V2.2.0 Draft EN 301 489-17 V3.2.0 Draft EN 301 489-19 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

Annex to EU-Type Examination Certificate



3 Technical Documentation

3.1 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.

3.2 Declarations

68-101340 Rev. 1.02 LT-3100 Declaration of Conformity	Dated	2019-05-03
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3.3 Strategic Documentation

69-101769 Rev. 1.03 LT-3100 Risk Assessment	Issued	2019-05-02
68-101768 Rev. 1.01 LT-3100 Conformity Assessment Principles	Issued	2019-03-15

3.4 Technical Compliance Documentation

3.4.1 Article 3.1(a)

75942068-10 Issue 2	Issued	2019-04-23
64-101849 1.00	Issued	2019-04-15
071-75942068-000	Issued	2018-08-15
64-101266 1.00	Issued	2017-11-13

3.4.2 Article 3.1(b)

75942068-06 Issue 01	Issued	2018-07-18
75942068-12 Issue 01	Issued	2018-07-09

3.4.3 Article 3.2

75942068-07 Issue 01	Issued	2018-08-02
75942068-11 Issue 01	Issued	2018-07-04
75942068-08 Issue 01	Issued	2018-06-26
75936870-08 Issue 01	Issued	2017-02-08
ETSI EN 303 413 Conformance Test Report	Issued	2017-06-16
75932207-04 Issue 3	Issued	2016-03-10

4 Additional Information

None.

Signature: T.J. Twynam

Date: 2019-05-15

On behalf of TÜV SÜD BABT