

# Report on the FCC and IC Testing of the

## LARS THRANE A/S

### Communications System, Model: LT3100

#### In accordance with FCC 47 CFR Parts 15 and 25 and Industry Canada RSS-247, RSS-170 and RSS-GEN (Simultaneous Transmission)

Prepared for: LARS THRANE A/S  
Skovlytoften 33  
Holte  
DK-2840  
DENMARK



Product Service

Choose certainty.  
Add value.

FCC ID: 2AP9E-07183100

IC: 24065-07183100

## COMMERCIAL-IN-CONFIDENCE

Date: June 2018

Document Number: 75942068-09 | Issue: 01

RESPONSIBLE FOR	NAME	DATE	SIGNATURE
Project Management	Adam Porteous	05 July 2018	
Authorised Signatory	Matthew Russell	05 July 2018	

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD Product Service document control rules.

### ENGINEERING STATEMENT

The measurements shown in this report were made in accordance with the procedures described on test pages. All reported testing was carried out on a sample equipment to demonstrate limited compliance with FCC 47 CFR Parts 15 and 25 and Industry Canada RSS-247, RSS-170 and RSS-GEN (Simultaneous Transmission). The sample tested was found to comply with the requirements defined in the applied rules.

RESPONSIBLE FOR	NAME	DATE	SIGNATURE
Testing	Graeme Lawler	05 July 2018	

FCC Accreditation

90987 Octagon House, Fareham Test Laboratory

Industry Canada Accreditation

IC2932B-1 Octagon House, Fareham Test Laboratory

### EXECUTIVE SUMMARY

A sample of this product was tested and found to be compliant with FCC 47 CFR Parts 15 and 25 and Industry Canada RSS-247, RSS-170 and RSS-GEN (Simultaneous Transmission).



### DISCLAIMER AND COPYRIGHT

This non-binding report has been prepared by TÜV SÜD Product Service with all reasonable skill and care. The document is confidential to the potential Client and TÜV SÜD Product Service. No part of this document may be reproduced without the prior written approval of TÜV SÜD Product Service. © 2018 TÜV SÜD Product Service.

### ACCREDITATION

Our UKAS Accreditation does not cover opinions and interpretations and any expressed are outside the scope of our UKAS Accreditation. Results of tests not covered by our UKAS Accreditation Schedule are marked NUA (Not UKAS Accredited).

TÜV SÜD Product Service  
is a trading name of TÜV SÜD Ltd  
Registered in Scotland at East Kilbride,  
Glasgow G75 0QF, United Kingdom  
Registered number: SC215164

TÜV SÜD Ltd is a  
TÜV SÜD Group Company

Phone: +44 (0) 1489 558100  
Fax: +44 (0) 1489 558101  
[www.tuv-sud.co.uk](http://www.tuv-sud.co.uk)

TÜV SÜD Product Service  
Octagon House  
Concorde Way  
Fareham  
Hampshire PO15 5RL  
United Kingdom



## Contents

<b>1</b>	<b>Report Summary .....</b>	<b>2</b>
1.1	Report Modification Record.....	2
1.2	Introduction.....	2
1.3	Brief Summary of Results .....	3
1.4	Application Form .....	4
1.5	Product Information .....	6
1.6	Deviations from the Standard.....	6
1.7	EUT Modification Record .....	6
1.8	Test Location .....	6
<b>2</b>	<b>Test Details .....</b>	<b>7</b>
2.1	Radiated Spurious Emissions (Simultaneous Transmission) .....	7
<b>3</b>	<b>Measurement Uncertainty .....</b>	<b>13</b>



# 1 Report Summary

## 1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	Description of Change	Date of Issue
1	First Issue	05 July 2018

## 1.2 Introduction

Applicant	LARS THRANE A/S
Manufacturer	LARS THRANE A/S
Model Number(s)	Communications System: LT-3100 Control Unit: LT-3110 Antenna: LT-3130 Handset Cradle: LT-3120 Handset Unit: LT3121
Serial Number(s)	Communications System: 00001730 Antenna: 00001668 Handset: 00002071
Hardware Version(s)	1.00
Software Version(s)	1.01R
Number of Samples Tested	1
Test Specification/Issue/Date	FCC 47 CFR Part 15: 2017 FCC 47 CFR Part 25: 2017 Industry Canada RSS-247 (Issue 2) February 2017 Industry Canada RSS-170 (Issue 3) July 2015 Industry Canada RSS-GEN (Issue 4) November 2014
Order Number	QAF
Date	08-March-2018
Date of Receipt of EUT	03-April-2018
Start of Test	25-April-2018
Finish of Test	25-April-2018
Name of Engineer(s)	Graeme Lawler
Related Document(s)	ANSI C63.10 (2013) ANSI C63.26 (2015)



Product Service

### 1.3 Brief Summary of Results

A brief summary of the tests carried out in accordance with FCC 47 CFR Parts 15 and 25 (Simultaneous Transmission) is shown below.

Section	Specification Clause					Test Description	Result	Comments/Base Standard
	Part 15	Part 25	RSS-247	RSS-170	RSS-GEN			
Configuration and Mode: Iridium Transmit + Bluetooth								
2.1	15.247 (d) and 15.205	25.202 (f)	5.5	5.4.3.1	6.13	Radiated Spurious Emissions (Simultaneous Transmission)	Pass	