



## TYPE APPROVAL CERTIFICATE

### Maritime Mobile Earth Station

Thrane & Thrane AS trading as COBHAM SATCOM ("Cobham"), the manufacturer of a Maritime Earth Station identified as **SAILOR 900 ViaSat Ka** has submitted test data which demonstrates that the said MES model when operating in the environmental conditions set forth in its Type Approval Particulars meets the applicable technical requirements for use with the Viasat Ka-band Satellite Communication System, as issued by Viasat Inc. ("Viasat") in the documentation entitled Product Requirement Specifications.

Cobham has certified that all other units of the same model will meet all technical requirements in a similar manner to the unit subjected to test and that the tests have been conducted in accordance with the procedures mutually agreed upon by Cobham and Viasat. The full technical details of the **SAILOR 900 ViaSat Ka** are documented in its formal Type Approval Particulars.

Viasat does hereby certify that the Cobham MES model identified herein is acceptable for use with the Viasat Satellite Communication System as of the date of this Certificate<sup>1</sup>.

*Note 1. This certificate does not authorize the operation of the SAILOR900 Viasat Ka in the Viasat Satellite Network. Such authorization requires registration after installation, in accordance with registration procedures established by Viasat.*



## TYPE APPROVAL PARTICULARS

Thrane & Thrane AS MES Model: SAILOR 900 Viasat Ka  
ViaSat Ka-band satellite network, including Viasat-1, Viasat-2 and Anik-F2  
Certificate Number: **VSMT-001**

### Type Approval

Particular Issue No: **001** — 19th November 2019

### MES TECHNICAL DETAILS

-MES Model	: SAILOR 900 Viasat Ka
-Antenna Type	: 103 cm stabilized tracking, 3 -axis
-Tx Frequency	: 27.5 – 31.0 GHz
-TX Max EIRP PSD	: 47 dBW/MHz
-TX Off-axis emissions	: Compliance with FCC 47 CFR 25.138 at Max EIRP PSD
-Rx Frequency	: 17.7 – 21.2 GHz
-G/T	: $\geq 19.0$ dB/K at 45°

### ENVIRONMENTAL CONDITIONS

- IEC60945

### REGULATORY <sup>Note1</sup>

- Radio Equipment Directive 2014/53/EU
- RoHS Directive 2011/65/EU incl. amendments
- REACH Regulation EC 1907/2006
- Waste Electrical Electronic Equipment 2012/19/EU
- Title 47 CFR Part 15 and Part 25

### NOTES

*1 : Further details of any Regulatory Standards Compliance can be obtained directly from the Manufacturer.*

---

These particulars form part of the Type Approval letter dated 04/11/2019 and are issued in accordance with any waivers and conditions therein. Certified Type Approved for and behalf of Viasat

Signed:

Date: November 19, 2019

Philip L. Berry  
Vice President, Mobile Satellite Services  
ViaSat, Inc.