



Certificate Holder: **Thrane & Thrane A/S (trading as Cobham SATCOM)**
Lundtoftegaardsvej 93D
DK-2800 Kgs Lyngby
Denmark

Model(s): **EXPLORER 8100 Ku**

Product Designation: **Antenna system for Ku Band Land VSAT, Drive Away System
for EXPLORER 8100 family**

Conformity Assessment:

Essential requirements	Examined documentation	Result
Health R&TTE, Article 3.1a	Technical documentation including test report	conform
Safety R&TTE, Article 3.1a	Technical documentation including test report	conform
EMC R&TTE, Article 3.1b	Technical documentation including test report	conform
Radio Spectrum R&TTE, Article 3.2	Technical documentation including test report	conform

Expert Opinion:

Our opinion in accordance with Annex IV of Council Directive 1999/5/EC on radio equipment and telecommunications equipment and the mutual recognition of their conformity is that the evaluation of the submitted documents related to the apparatus identified above complies with the requirement of that directive stated in the above scope

Marking:

The product shall be marked with CE and our notified body number as shown right hand...

CE 0682

Annexes:

The scope of this evaluation relates to the submitted documents only.
The certificate is only valid in conjunction with the following **number** of annexes: 1

Certificate Registration No.: **E817448C-EO**

Place, Issue date **CETECOM ICT Services GmbH**

Saarbrücken, 2015-12-15



Authorized signature / title

Product Characteristics:

Kind of test item:	Antenna system for Ku Band Land VSAT, Drive Away System
Type identification :	EXPLORER 8100 Ku
HW hardware status :	ACU: Rev. A VSAT Antenna: Rev. A
SW software status :	Ver. 1.51 pre-phase
Frequency band :	RX: 10.70 – 12.75 GHz, TX: 13.75 – 14.50 GHz
Type of radio transmission : Use of frequency spectrum :	depends on modem
Type of modulation :	depends on modem
Data rate :	depends on modem
Channel spacing :	depends on modem
Power supply :	100-240 V AC, 50-60 Hz
Temperature range :	ACU: -25°C to +55°C ODU: -33°C to +55°C

Reflector size (m)	Concept	Manufacturer	Type	TX gain dBi (max)	Polarization
1.006	Single reflector, parabolic	Thrane & Thrane	TT-8147A	42.0	Linear

Conformity Details:

Evaluated test reports	
Requirement	Standard, test report number, date & laboratory
Health	EN 62311:2008 -No.: 1-9683/15-01-09 issued by CETECOM ICT Services GmbH
Safety	EN 60950-1: 2006+A11:2009+A1:2010+A2:2013+AC:2011+A12: 2011 EN60950-1:2006+A11:2009+A1:2010+A12:2011 -No.: 1-9683/15-01-04 issued by CETECOM ICT Services GmbH -No.: 1-9683/15-01-05 issued by CETECOM ICT Services GmbH
EMC	ETSI EN 301 489-1 V1.9.2 ETSI EN 301 489-12 V2.2.2 -No.: 1-9683/15-01-03-A issued by CETECOM ICT Services GmbH
Radio spectrum	EN 301 428 V1.3.1 EN 301 430 V1.1.1 -No.: 1-9683/15-01-02 issued by CETECOM ICT Services GmbH

Miscellaneous:

- TCF according to the application
