

**AUSTRALIAN RADIO COMMUNICATIONS
 EQUIPMENT
 COMPLIANCE ASSESSMENT
 TO
 RADIOCOMMUNICATIONS
 (COMMUNICATION WITH SPACE OBJECT)
 CLASS LICENCE 1998 WITH VARIATION 2003 (No.1)**

Client:	Thrane & Thrane A/S trading as Cobham Satcom, Denmark
Address:	Lundtoftegaardsvej 93D, DK-2800 Kgs. Lyngby 2800, Denmark
Report Number:	1218THR_TT-3721A_SpaceObjects(RA)
File Number:	NEM131108

Equipment Name:	1. Optus MobileSat System / 2. EXPLORER 325
Equipment Model No:	TT-3721A (Refer to Equipment Details section for full description)
Equipment Description:	Satellite Communication System

Result: **COMPLIES** *[Refer to Note 1 within.]*

Assessed by: **Phillip Kane**



Approved by: **Pat Sinni**



Date of Issue: 18 Dec 2013

Results appearing herein relate only to the sample(s) assessed through the submitted test report(s).
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Applicable Standards

This equipment is licensed for operation in Australia by the Radiocommunications (Communication with Space Object) Class Licence 1998 with Variation 2003 (No.1), made by the Australian Communications and Media Authority (ACMA) under sections 132 of the Radiocommunications Act 1992.

The equipment shall bear the RCM / A- Tick mark and supplier code, and the importer shall hold a Declaration of Conformity to the Radiocommunications (Communication with Space Object) Class Licence 1998 with Variation 2003 (No.1), together with a description of the product in a compliance folder, when compliance with all other applicable A-Tick requirements is met.

EQUIPMENT DETAILS	
MANUFACTURER:	Thrane & Thrane AS
MODEL:	TT-3721A, consisting of: Tranceiver: TT-3733A, Antenna: TT-3058A, IP Handset: TT-3670A consisting of IP cradle: TT-3647A + IP Handset: TT_3672A
OPERATING FREQUENCY:	1626.5MHz to 1660.5MHz ^{Note 1}
TRANSMITTER POWER	45.1 dBm (32.36W, max) ^{Note 1}
TYPE OF ANTENNA:	2" Helix, External GPS antenna ^{Note 1}
ANTENNA GAIN:	Max 11,88 dBi at 20° elevation ^{Note 1}

Technical Specifics of Compliance

	Operating Frequency of EUT	RCM / A-Tick Requirements	Compliance
Frequency Range	1626.5MHz to 1660.5MHz	1610MHz to 1660.5 MHz	Complies ^{Note 1}

Notes:

1. Data taken from the following documents provided by client;
 - RSS-170, Satellite Mobile Earth Stations Test Report 145878 – 8 from Comlab for the EXPLORER 325 Satellite Terminal
 - User Guide file MobileSat Handset User Guide.pdf for the Optus MobileSat System

Compliance is based on the assumption that the data contained in the submitted documents remains valid for Model TT-3721A, consisting of: Tranceiver: TT-3733A, Antenna: TT-3058A, IP Handset: TT-3670A consisting of IP cradle: TT-3647A + IP Handset: TT_3672A.

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Austest Summary and Recommendations:

The submitted documentation provides sufficient support for the claim that the equipment described therein operates within the licensing arrangements provided by the Australian Communications and Media Authority.

The equipment complies with the Radiocommunications (Communication with Space Object) Class Licence 1998 with Variation 2003 (No.1) and shall bear the RCM / A-Tick mark, when compliance with all other applicable RCM / A-Tick requirements is met.

If compliance is sought for model numbers other than those listed in the test report, then the compliance folder must hold additional documentation, demonstrating the equivalence of the products between the different model numbers.

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