

**NEW ZEALAND RADIO COMMUNICATIONS
 EQUIPMENT
 COMPLIANCE ASSESSMENT
 TO
 RADIOCOMMUNICATIONS REGULATIONS
 (GENERAL USER RADIO LICENCE FOR SATELLITE SERVICES)
 NOTICE 2005**

Client:	Thrane & Thrane A/S trading as Cobham Satcom, Denmark
Address:	Lundtoftegaardsvej 93D, DK-2800 Kgs. Lyngby 2800, Denmark
Report Number:	1218THR_TT-3721A_GURLSatellite(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.]
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Assessed by:	Phillip Kane
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Approved by:	Pat Sinni
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Date of Issue:	18 Dec 2013
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Results appearing herein relate only to the sample(s) assessed through the submitted test report(s).
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SUBMITTED TEST REPORT 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
TESTED STANDARD:	<i>RSS-170, Satellite Mobile Earth Stations</i>
TEST REPORT NUMBER:	145878 - 8
TEST REPORT ISSUE DATE:	October 15, 2010
EQUIPMENT TEST DATE:	01 Jun to 15 Sep 2010
TEST LABORATORY:	Nemko AS Nemko Kjeller, Instituttveien 6, Box 96 N-2007 Kjeller, NORWAY
LABORATORY ACCREDITATION:	None
ACCREDITATION REGISTRATION NUMBER:	Not applicable
NATA MRA PARTNER:	Not applicable

Applicable Standards

This equipment is licensed for operation in New Zealand by the Radiocommunications Regulations (General User Radio Licence for Satellite Services) Notice 2005, made by the Radio Spectrum Management (RSM) pursuant to Regulation 9 of the Radiocommunications Regulations 2001 made under section 116 (1) (b) of the Radiocommunications Act 1989.

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Technical Specifics of Compliance

	Applied in Test Report	General User Radio Licence for Satellite Services Requirements	Compliance
Standard	RSS-170, Satellite Mobile Earth Stations (November 6, 1999)	Radiocommunications Regulations (General User Radio Licence for Satellite Services) Notice 2005	Complies
Frequency Range MSS Service	1626.5MHz to 1660.5MHz ^{Note 1}	1610MHz to 1660.5 MHz	Complies
VSAT devices: Maximum permitted total transmit power level in dBW e.i.r.p. per terminal	15.1 (max) ^{Note 1}	60	Complies
VSAT devices: Maximum permitted emission bandwidth in MHz per terminal	0.168 ^{Note 1}	3	Complies
Supply Voltage	10.5Vdc – 32Vdc	NA	NA

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.

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 Radio Spectrum Management (RSM).

The equipment complies with the Radiocommunications Regulations (General User Radio Licence for Satellite Services) Notice 2005.

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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