

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Cheetah/Panther/Skyware STA for VA/MN/NY

1. Applicant

Name:	Inmarsat Mobile Networks, Inc.	Phone Number:	202-248-5150
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Country:	USA	Zipcode:	20036 -
Attention:	Mr. Louis Rosa		



File # SES-STA-20150923-00616
E120072
Call Sign _____ Grant Date 10-8-15
(or other identifier)
Term Dates
From: 10-8-15 To: 11-7-15
Approved: Paul E. Hader

Applicant: Inmarsat Mobile Networks, Inc.
Call Sign: E120072
File No.: SES-STA-20150923-00616
Special Temporary Authority (STA)



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Inmarsat Mobile Networks, Inc. (Inmarsat Mobile Networks) is granted STA for 30 days to conduct Over-the-Air testing of the Inmarsat Global Xpress Ka-band network using the 0.98m Skyware Sky98 antenna and the 0.85m AvL Technologies L3 Cheetah antenna located at testing locations: Lino Lakes, Minnesota; Chantilly, Virginia; Reston, Virginia; and Victor, New York, to communicate on frequencies 29.5-30.0 GHz (Earth-to-space) and 19.7-20.2 GHz (space-to-Earth) with United Kingdom licensed satellite Inmarsat 5 F2 at permanent orbital location 55 degrees W.L. under the following conditions:

1. Operational power level parameters will not exceed as specified in the STA request.
2. All operations by Inmarsat Mobile Networks shall be on an unprotected basis and shall not claim protection from interference caused to it by any other lawfully operating station.
3. In the event that any harmful interference is caused as a result of STA operation, Inmarsat Mobile Networks shall cease operations immediately upon notification of such an event, and shall inform the Commission immediately, in writing, of the event.
4. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Inmarsat Mobile Networks' own risks.
5. Testing locations will be at: Lino Lakes, Minnesota (045° 07' 55.9194" N.L./093° 05' 45.24" W.L.); Chantilly, Virginia (038° 53' 31.92" N.L./077° 26' 38.76" W.L.); Reston, Virginia (038° 56' 50.9994 N.L./077° 20' 53.16" W.L.); Victor, NY (043° 00' 16.2" N.L./077° 27' 03.24' W.L.)
6. 24/7 contact: Kevin.baker@inmarsat.com, telephone 18084697104 in Lino Lakes, MN; John Kim (john.kim@inmarsat.com), telephone 12023682068 in Chantilly, VA; GNCOC(support@inmarsat.gov) telephone 17036739964 in Reston, VA; Nathan Giordano (Nathan.giordano@L-3.com) telephone 15857429624 in Victor, NY.
7. The licensee shall take all necessary measures to ensure that the antenna does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR 1.1307(b) and 1.1310 wherever such exposures might occur. Measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions, such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling, or by field measurements. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on

predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.

8. Operations under STA will be in compliance with Section 25.209(b) and Section 25.138 of the Commission's rules, 47 C.F.R. §§ 25.209(b) and 25.138, and will be operated through the Lino Lakes Satellite Access station E120072, SES-LIC-20120426-00397 and monitored by the Inmarsat Network Operations Center (NOC).
9. Grant of this authorization is without prejudice to any determination that the Commission may make regarding any of Inmarsat Mobile Networks' applications.
10. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately.