

E140029 SES-STA-20160217-00139 IB2016000467
ISAT US Inc.

Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA Request for Sailor 60 GX Terminal for Demonstration

I. Applicant

Name:	ISAT US Inc.	Phone Number:	202-248-5150
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Attention:	Giselle Creeser		

with conditions

File # SES-STA-20160217-00139

Call Sign E140029 Grant Date 2/18/2016
(or other identifier)

Term Dates

From 2/22/2014 To: 2/27/2014

Approved: [Signature] [Signature]



Applicant: ISAT US, Inc.
Call Sign: EI40114
File No.: SES-STA-20160217-00139
Special Temporary Authority (STA)



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Call Sign EI40114 Grant Date 2/18/2016
(or other identifier)
Term Dates
From 2/22/2016 To: 2/27/2016
Approved: Paul E. Davis

ISAT US, Inc.(ISAT) is granted special temporary authority for six days beginning February 22, 2016, to operate a Sailor 60 GX terminal earth station at 9801 International Drive, Orlando, FL and another at 2100 N Alafaya Trail, Orlando, FL. Both earth stations are authorized to operate with the Inmarsat-5 F2 satellite at the 55° W.L. orbital location in the 29.5-30.0 GHz (Earth-to-space) and 19.7-20.2 GHz (space-to-Earth) frequency bands. Operations must be in accordance with the technical specifications contained in ISAT's pending application IBFS File No. SES-MOD-20151106-00818, and are subject to the following conditions:

1. Operations under this grant of special temporary authority are on an unprotected, non-harmful interference basis, *i.e.*, while operating under this temporary authority ISAT must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating radiocommunication system. ISAT must cease operations immediately upon notification of such interference and must immediately inform the Commission, in writing, of such an event.
2. ISAT US, Inc. must take all necessary measures to ensure that the antenna does not create potential exposure of humans to radio frequency 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. 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. The licensee shall ensure installation of terminals will be by qualified installers who have an understanding of the antenna's radiation environment and the measures best suited to maximize protection of the general public and persons operating the aircraft and equipment. A terminal exhibiting radiation exposure levels exceeding 1.0 mW/cm² in accessible areas, such as at the exterior surface of the radome, shall have a label attached to the surface of the terminal warning about the radiation hazard and shall include thereon a diagram showing the regions around the terminal where the radiation levels could exceed 1.0 mW/cm².
3. The remote control point at Lino Lakes, MN (808-469-7104) must maintain be available 24 hours per day, seven days per week, with the authority and ability to terminate operations authorized, for discussing interference concerns with other licensees and U.S. Government agencies.
4. ISAT US, Inc. must maintain records of the following data for each earth station, a record of the location (*i.e.*, latitude/longitude/altitude), transmit frequency, channel bandwidth and satellite used shall be time annotated and maintained for a period of not less than one year. Records shall be recorded at time intervals no greater than one (1) minute while the antenna is transmitting. The operator shall make this data available, in the form of a comma delimited electronic spreadsheet, within 24 hours of a request from the Commission, NTIA, or a frequency coordinator for purposes of resolving harmful interference events. A description of the units (*i.e.*, degrees, minutes, MHz, etc.) in which the records values are recorded will be supplied along with the records.
5. Antenna elevation for all operations must be at least 5 degrees above the geographic horizon while the aircraft is on the ground.

6. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending applications or future requests for special temporary authority. E.g. IBFS File No. SES-MOD-20151106-00818.
7. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at ISA T US, Inc.' s risk.

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. Petitions for reconsideration under Section 1.106 or applications for review under Sections 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be med within thirty days of the date of the public notice indicating that this action was taken.