

Applicant: ISAT US, Inc.
Call Sign: E140114
File No.: SES-STA-20200612-00620
Special Temporary Authority ("STA")

ISAT US, Inc. ("ISAT US") is granted STA for 60 days beginning July 7, 2020, to conduct testing and demonstration of three units each of the GetSAT, MilliEX, and Smiths Interconnect Ka5000 ESIM ESAA antennas with the currently authorized Inmarsat satellite and within the operational limits described in IBFS File No. SES-MOD-20200605-00595 on a non interference and non protected basis. The 24 x 7 POC is Ananda Mishra, +1 808 638-5820 and the Inmarsat NOC at +44 20 7728 1616, noc.controllers@inmarsat.com under the following conditions:

1. Operations are on an unprotected and non-harmful interference basis. ISAT US must cease operations immediately upon notification of such interference and must immediately inform the Commission, in writing, of such an event.
2. In the 17.8-20.2 GHz frequency range, in order to protect Federal satellite services, the licensee shall communicate only with satellites whose operator has completed an agreement with Federal operators pursuant to footnote US334 of the U.S. Table of Frequency Allocations, 47 C.F.R. § 2.106, and that agreement has been approved by both the Federal Communications Commission and the National Telecommunications and Information Administration. The licensee's operations pursuant to this authorization shall be consistent with such US334 agreements.
3. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at ISAT US's own risks.
4. Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
5. 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.

6. All operations shall be on a non-common carrier basis.
7. All existing transmitting facilities, operations and devices regulated by the Commission must comply with the Commission's radiofrequency (RF) exposure guidelines, pursuant to Section 1.1307(b)(1) through (b)(3) of the Commission's rules, or if not in compliance, file an Environmental Assessment (EA) as specified in Section 1.1311. See 47 CFR § 1.1307(b)(5).
8. Stations authorized herein must not be used to provide air traffic control communications.
9. Operations pursuant to this authorization must comply with the terms of the coordination agreements with operators of Ka-band geostationary space stations within thirty angular degrees of the target satellites I5F2. In the event another GSO space station commences operation in the 29.5-30.0 GHz frequency band at a location within thirty degrees of any of the target satellites, ESAAs operating pursuant to this authorization must cease transmitting to the target satellite(s) unless and until such operation has been coordinated with the new space station's operator or ISAT US demonstrates that such operation will not cause harmful interference to the new co-frequency space station.
10. Communications between ISAT US antenna I5F2 must comply with all existing and future space station coordination agreements reached between United Kingdom and other Administrations.
11. Grant of operation under this special temporary authority does not constitute U.S. market access.

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.