

**Attachment 1**  
**REQUEST FOR SPECIAL TEMPORARY AUTHORIZATION**  
**(Response to Question 12)**

ISAT US, Inc. (“ISAT US”) hereby requests special temporary authorization (“STA”) to operate for static testing and demonstration purposes one unit of the ThinKom Ka2517 antenna to communicate with the Inmarsat 5F2 (I5F2) space station for a thirty-day period beginning June 14, 2023. Inmarsat seeks STA in the 19.7-20.2 GHz (space-to-Earth) and 29.5-30.0 GHz (Earth-to-space) bands.

ISAT US is licensed by the Commission to operate aeronautical earth stations in the 19.7-20.2 GHz and 29.5-30.0 GHz bands under its existing aeronautical blanket earth station license (call sign E140114, File No. SES-MFS-20221213-01333). Further, the ThinKom Ka2517 antenna is authorized for use on other active FCC licenses, e.g., appearing as Site ID “AES2” on the aeronautical earth station in motion license issued to Thales Avionics, Inc. (“Thales”) (call sign E170068, File No. SES-MOD-20200818-00888).

The location of the antenna under test is the Reston, Virginia, location of Inmarsat Government, 11600 Sunrise Valley Drive, Reston, Virginia, 20191, at the NAD84 coordinates specified on the application form.

The terminal will communicate with the Inmarsat Global Xpress I5F2 space station (licensed by the United Kingdom and granted market access in the United States, Call Sign E120072, File No. SES-LIC-20120426-00397), located at the 55° W.L. orbital location. ISAT US will be responsible for all technical aspects of the system during testing and demonstration. The user terminal operations will be closely monitored by the Inmarsat Network Operations Center and the engineering team associated with the demonstration. ISAT US acknowledges this operation will be conducted on a non-interference and non-protected basis.

The ISAT US 24/7 Point of Contact during the STA is the Inmarsat Government Network Operations Center, which can be reached at +1 703 637-0120. Further, the Inmarsat Network Operations Center in London can be reached at any time at +44 207 728 1616.

Grant of the requested STA will serve the public interest, convenience, and necessity because it will enable ISAT US to test a new terminal using the I5F2 space station, facilitating the further deployment of broadband communication to Inmarsat customers, including commercial aeronautical and United States Government customers with evolving operational needs. The operation will be consistent with the technical parameters of the licenses specified above, which are sufficient to avoid risk of harmful interference. ISAT US therefore respectfully requests that the Commission grant STA beginning June 14, 2023, for a period of thirty days.