

ISAT US Inc.

Request for Special Temporary Authority

IB File Nos. SES-STA-20150304-00112; SES-STA-20150522-00306; SES-STA-20150703-00446

Exhibit A

### **Description of STA Request**

ISAT US Inc. (“ISAT US”) hereby requests a 30-day special temporary authority (“STA”) with respect to its Global Xpress (“GX”) aviation Honeywell antenna testing campaign using the same technical parameters for which it was previously authorized for various tests under IB File Nos. SES-STA 20150304-00112; SES-STA-20150522-00306; SES-STA-20150703-00446 (“GX Aviation Honeywell Antenna STAs”) in the May through July 2015 period.

The previous Inmarsat flight testing met expectations for initial tests and the antenna was operated in full compliance with the GX Aviation Honeywell Antenna STAs. The testing took place during the authorized periods with multiple flights. Inmarsat did not receive any reports of interference during the tests. ISAT US now plans to begin another stage of testing. This new stage includes:

- 1) Ground and flight testing in the United States starting from August 18<sup>th</sup> to approximately the 29<sup>th</sup> and then again starting on September 5<sup>th</sup> through the 17<sup>th</sup> with the Inmarsat 5-F2 satellite; and
- 2) Ground and flight testing in and around the United Kingdom (“UK”), as previously authorized with the Inmarsat 5-F1 satellite, starting on August 30<sup>th</sup>.

All flights and tests during this portion of the test campaign should be concluded by September 17<sup>th</sup>, within the 30 day STA period. In addition, the second phase of testing described above will permit Inmarsat and Honeywell to conduct Supplemental Type Certification for U.S. Federal Aviation Administration approval on the Boeing 757 aircraft type.

More specifically, ISAT US seeks (i) authority to conduct testing of the Honeywell antenna mounted on a United States-flagged aircraft in the 29.5-30.0/19.7-20.2 GHz frequency bands using the Inmarsat-5 F2 satellite, located at the 55° W.L. orbital location, for the tests in the United States and the Inmarsat-5 F1 satellite, located at 62.6 ° E.L., for the tests in and around the United Kingdom, (ii) within the United States and outside of the United States over international waters and in foreign airspace, and (iii) operated through Inmarsat’s gateway facilities located in Lino Lakes, Minnesota, and Fucino, Italy, respectively.

In summary, the request for authority to conduct the testing will follow the same technical parameters as the initial GX Aviation Honeywell Antenna STA requests. Grant of the requested STA will serve the public interest, convenience and necessity because it will help ensure that the GX Honeywell antenna performs according to its design specifications by facilitating the assessment of the prototype earth station and will enable Inmarsat to proceed in implementing its ultimate plans to deploy the aeronautical antennas for the provision of broadband access service.

As detailed in the GX Aviation Honeywell Antenna STA applications and underlying license application (File No. SES-LIC-20141030-00832; Call Sign E140114), facilitating the ultimate availability of broadband access on board aircraft will help satisfy the rapidly growing demand and consumer expectations for ubiquitous Internet connectivity on land, at sea, and in the air. The Commission previously has granted STA under similar circumstances, as well as permanent authority to operate Ka-band mobile earth stations on board aircraft.

Therefore, ISAT US respectfully requests that the Commission grant its STA for 30 days, beginning August 18th.