

January 24, 2017

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Request for Special Temporary Authority
Hagerstown, Maryland Earth Station E140121

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing February 14, 2017, to use its Hagerstown, Maryland Ku-band earth station—call sign E140121—to provide launch and early orbit phase (“LEOP”) services for SKY-B1; telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 33.0° W.L.; IOT services at 33.0° W.L.; TT&C during the drift of SKY-B1 to its final location of 43.1° W.L.; and TT&C on-station at 43.1° W.L. SKY-B1, a U.S. licensed satellite,² is expected to be launched on February 14, 2017. The LEOP period is expected to last approximately 8 days; IOT and drift are expected to last approximately 30 days and 10 days, respectively.

The proposed TT&C operations will be performed using the following frequencies: 13249.5 MHz (V & CP) and 14498.00 MHz (H & CP) in the uplink; and 11443 MHz (V & CP), 11443.5 MHz (V & CP), 11444.5 MHz (H & CP), 11446.5 MHz (V & CP), and 11447 MHz (V & CP) in the downlink. The proposed IOT operations will be performed in the following frequency bands: 10.7 – 11.45 GHz and 12.75 – 13.25 GHz. The proposed operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path, the drift path, or are potentially affected by these operations at the IOT location.³ All operators of potentially affected satellites will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

The 24x7 contact information for the SKY-B1 mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)

¹ Intelsat has filed its STA request, an FCC Form 159, a \$200.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² See *Policy Branch Information; Actions Taken*, Report No. SAT-01158, File No. SAT-RPL-20140221-00026 (May 13, 2016) (Public Notice).

³ Intelsat will handle the coordination.

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Request to speak with Harry Burnham or Kevin Bell.

In further support of this request, Intelsat hereby attaches Exhibits A and B, which contain technical information that demonstrates that the TT&C operations of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility and a waiver request. Intelsat will provide additional technical information in support of the IOT services prior to launch. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Grant of this STA request will allow Intelsat to help launch and test the SKY-B1 satellite. This, in turn, will help support expansion of DTH services from the 43.1° W.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,



Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais