

March 9, 2017

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

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

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)¹ previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station—call sign E140121—to provide telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 33.0° W.L. for SKY-B1; 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.² SKY-B1, a U.S. licensed satellite,³ was launched on February 14, 2017. The IOT and drift are expected to last approximately 30 days and 15 days, respectively.

The SKY-B1 TT&C operations will continue to 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 IOT operations will continue to be performed in the following frequency bands: 10.7 – 11.45 GHz and 12.75 – 13.25 GHz. The SKY-B1 operations will be coordinated with all operators of satellites that use the same frequency bands and are in the drift path, or are potentially affected by these operations at the IOT location.⁴ 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:

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 Intelsat’s previous STA request also included launch and early orbit phase (“LEOP”) services. LEOP services are now complete. See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01931, File No. SES-STA-20170125-00059 (Feb. 22, 2017) (Public Notice).

³ See *Policy Branch Information; Actions Taken*, Report No. SAT-01158, File No. SAT-RPL-20140221-00026 (May 13, 2016) (Public Notice).

⁴ Intelsat will handle the coordination.

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

Request to speak with Harry Burnham or Kevin Bell.

In further support of this extension request, Intelsat incorporates by reference Exhibit A, Exhibit B, and a supplement,⁵ which contain technical information that demonstrates that the 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. 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 extension 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

⁵ See Letter from Cynthia J. Grady, Regulatory Counsel for Intelsat Corporation, to Ms. Marlene H. Dortch, FCC, File No. SES-STA-20170125-00059 (Feb. 1, 2017).