



November 24, 2021

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
45 L Street NE
Washington, DC 20554

Re: Request for Special Temporary Authority
Riverside, California Earth Station E040125

Dear Ms. Dortch:

Intelsat License LLC, as debtor in possession (“Intelsat”), herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing December 21, 2021, to use its Riverside, California C-band earth station, Call Sign E040125, to provide launch and early orbit phase (“LEOP”) services for the Inmarsat-6 F1 satellite. Inmarsat-6 F1 is expected to launch on December 21, 2021.² Intelsat expects the LEOP period to last approximately two months.

The Inmarsat-6 F1 operations will be performed at the following frequency bands: 5850-5930 MHz and 6420-6425 MHz (CP) in the uplink; and 4198.35 MHz, 4198.85 MHz, 4199.35 MHz, and 4199.85 MHz (CP) in the downlink. With the exception of the emission designators³ and use of the 5850-5930 MHz band, the proposed operations are within the licensed parameters.⁴

The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁵ All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

¹ Intelsat has filed its STA request, FCC Form 159, a \$210.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System.

² Intelsat understands that Inmarsat-6 F1 is licensed by the United Kingdom. The satellite’s final location will be 83.5° E.L.

³ The uplink and downlink emission designators are 1M00F2D and 500KG2D, respectively. The size of the uplink carrier is 1 MHz and the downlink carrier is 500 kHz.

⁴ See *Satellite Communications Services Information; Actions Taken*, Report No. SES-02165, File No. SES-RWL-20190320-00385 (May 22, 2019) (Public Notice).

⁵ Airbus, the manager of the Inmarsat-6 F1 mission, will handle the coordination.

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The 24x7 contact information for the Inmarsat-6 F1 mission is as follows:

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 request, Intelsat herewith attaches Exhibits A and B, which contain waiver requests and a coordination report. 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.

Finally, Intelsat clarifies that during the Inmarsat-6 F1 LEOP mission, Airbus will serve as the mission manager. Airbus will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will be forwarded to Airbus. Intelsat will perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to help launch the Inmarsat-6 F1 satellite. This will help provide services at the 83.5° E.L. location and thereby promotes the public interest.

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

Respectfully submitted,

/s/ Cynthia J. Grady

Cynthia J. Grady

Assistant General Counsel, Intelsat US LLC
on behalf of Intelsat License LLC

cc: Kerry Murray