December 6, 2022

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 E060384
Expedited Treatment Requested

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),[1] commencing December 27, 2022, to use its Riverside Ku-band earth station, Call Sign E060384, to conduct in-orbit testing ("IOT") with Galaxy 32 (S3078).[2] Unexpectedly, the antenna Intelsat was planning to utilize for the IOT of Galaxy 32's Ku-band failed. Therefore, Intelsat is seeking expedited treatment of this STA to begin Ku-band IOT with a different earth station in order to minimize any delays to Galaxy 32 being placed into service. Intelsat expects the IOT to last approximately 16 days.

The proposed IOT will be performed at the following frequencies: 13.750-14.500 GHz (Earth-to-space); and 11.450-11.701GHz (space-to-Earth).

The 24x7 contact information for proposed operations 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 Kevin Bell or Glen Jones.

The proposed operations have been coordinated with all operators of satellites that are potentially affected by these operations at the IOT location.[3] All operators of potentially affected satellites have been provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs. 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.

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[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] *See Satellite Policy Branch Information; Actions Taken*, Report No. SAT-01615, File No. SAT-LOA-20210107-00004 (March 4, 2022) (Public Notice). The in-orbit testing will occur at 149.05° W.L. The final location will be 91.0° W.L.

[3] Intelsat will handle the coordination.

In furtherance of the Federal Communications Commission's goal of clearing 3.7-4.0 GHz, expedited grant of this STA request will allow Intelsat to help launch, test, and place Galaxy 32 into service, which will provide continuity of service at the 91.0° W.L. orbital locations. Grant of this request will thereby promote the public interest.

Please direct any questions the undersigned at (703) 559-6949.

Respectfully submitted,

/s/ Cynthia J. Grady
Cynthia J. Grady
Assistant General Counsel
Intelsat US LLC

cc: Franco Hinojosa

EXHIBIT A

Intelsat Request for STA to IOT Galaxy 32

Earth Station	E060384
Antenna Size (m)	9
Transmit Frequencies (MHz)	12.75-13.25 GHz and 13.75-14.5 GHz
Receive Frequencies (MHz)	10.7-11.2 GHz and 11.7-12.45 GHz
Emission Designator	1M00F2D
Polarization	Linear and Circular
Bandwidth	1 MHz
Transmit Gain	60.1 dBi at 14.5 GHz
Maximum EIRP per Carrier (dBW)	81
Maximum EIRP Density per Carrier (dBW/4 kHz)	52
Site Location	Riverside, CA
Latitude/Longitude (NAD83)	33° 47’ 47.3” N, 117° 5’ 15.0” W
Satellite Point(s) of Communication	Galaxy 32 (S3078)
Satellite Type	Geostationary
Satellite Location	149.05° W.L.