



April 14, 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 E040125

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),¹ commencing June 17, 2022, to use its Riverside, California C-band earth station, Call Sign E040125, to provide launch and early orbit phase ("LEOP") services for the GSAT-24 satellite. GSAT-24 is expected to launch on June 17, 2022.² Intelsat expects the LEOP period to last approximately 20 days.³

The GSAT-24 operations will be performed at the following frequencies: 5850.982 MHz and 6415.00 MHz in the uplink; and 4186.848 MHz and 4189.344 MHz in the downlink.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. 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.

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 GSAT-24 is licensed by India. The satellite's final location will be 93.5° E.L.

³ Intelsat is requesting 30 days of STA to accommodate launch delays.

⁴ In support of this request, additional antenna and satellite information is provided in Exhibit A, a waiver request in Exhibit B, and a coordination report is attached as Exhibit C.

⁵ The Indian Space Research Organization ("ISRO"), the manager of the GSAT-24 mission, will handle the coordination.

The 24x7 contact information for the GSAT-24 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 Kevin Bell or Glen Jones.

Finally, Intelsat clarifies that during the GSAT-24 LEOP mission, ISRO will serve as the mission manager. ISRO 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 ISRO. 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 GSAT-24 satellite. This will help provide services at the 93.5° 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

cc: Kerry Murray

EXHIBIT A

Antenna

Antenna size	11.1m
Transmit Frequencies	5850.982 MHz 6415.00 MHz
Receive Frequencies	4186.848 MHz 4189.344 MHz
Emission Designator	1M00F2D
Polarization	Circular
Bandwidth	1 MHz
Transmit Gain	54.8 dBi at 6.423208 GHz
Maximum EIRP per Carrier	85 dBW/MHz
Maximum EIRP Density per Carrier	61 dBW/4 kHz
Site Location	Riverside, CA
Latitude (NAD83)	33° 47' 45.1" N
Longitude (NAD83)	117° 5' 16.3" W

Point(s) of Communication

Satellite	GSAT-24
Call Sign	none
Satellite Type	Geostationary
Orbital Location	93.5°E