



May 12, 2022

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

Re: Request for Special Temporary Authority
Hagerstown, Maryland Earth Station KA258

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),¹ commencing June 7, 2022, to use its Hagerstown, Maryland Ku-band earth station, Call Sign KA258, to provide launch and early orbit phase ("LEOP") services for the Nilesat-301 satellite. Nilesat-301 is expected to launch on June 7, 2022.² Intelsat expects the LEOP period to last approximately 30 days.

The Nilesat-301 operations will be performed at the following frequencies: 17301.0 MHz and 17302.50 MHz in the uplink; and 12498.0 MHz and 12499.0 MHz in the downlink.³

The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁴ 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.

The 24x7 contact information for the Nilesat-301 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, FCC Form 159, a \$210.00 filing fee, and this supporting letter electronically via the International Bureau's Filing System.

² Intelsat understands that Nilesat-301 is licensed by Egypt. The satellite's final location will be 7.0° W.L.

³ In support of this request, additional antenna and satellite information is provided in Exhibit A, and a waiver request is attached as Exhibit B.

⁴ Thales Alenia Space ("Thales"), the manager of the Nilesat-301 mission, will handle the coordination.

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Request to speak with Kevin Bell or Glen Jones.

Finally, Intelsat clarifies that during the Nilesat-301 LEOP mission, Thales will serve as the mission manager. Thales 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 Thales. 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 Nilesat-301 satellite. This will help provide services at the 7.0° W.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	14.2 m
Transmit Frequencies	17301.0 MHz (LHCP) 17302.5 MHz (RHCP)
Receive Frequencies	12498.0 MHz (RHCP) 12499.0 MHz (RHCP)
Emission Designator	1M00F2D & 500KG2D
Polarization	Circular
Bandwidth	1 MHz
Transmit Gain	64.5 dBi @ 13.750 GHz
Maximum EIRP per Carrier	80.3 dBW/MHz
Maximum EIRP Density per Carrier	56.3 dBW/4 kHz
Site Location	Hagerstown, MD
Latitude (NAD83)	39° 35' 54" N
Longitude (NAD83)	77° 45' 33 W

Point(s) of Communication

Satellite	Nilesat-301
Call Sign	none
Satellite Type	Geostationary
Orbital Location	7°W