



April 12, 2023

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

Re: Request for 30 days of Special Temporary Authority to Operate HiSky 0.25m
Ku-band Antennas

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),¹ commencing no later than May 10, 2023, to operate 50 0.25m Ku-band Earth Station in Motion ("ESIM") antennas within the U.S. and its territories, U.S. territorial waters, and international waters to provide temporary customer service for testing purposes. The ESIM antennas will be mounted on terrestrial and maritime vessels and operate while stationary and while in motion.

The tests will be performed in the following frequency bands: 14200-14500 MHz (uplink) and 11700-12200 MHz (downlink) with the Galaxy 16, Horizons 3e, Intelsat 37e, and Intelsat 40e satellites. Additional operational information and a Radiation Hazard Report are included as Exhibits A and B, respectively.

The 24x7 contact information is: Scott Congdon at +1 (571) 286-1922.

In the extremely unlikely event that harmful interference should occur due to transmissions to or from its antennas, Intelsat will take all reasonable steps to eliminate the interference.

The requested operations will enable Intelsat to provide customer service. Accordingly, grant of this STA request is in 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

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

EXHIBIT A

Intelsat License LLC Request for 30 Days of STA

Antenna Description	HiSky 8x8 Dynamic
Antenna Size (m)	0.25m
Transmit Frequencies (MHz)	14200-14500
Receive Frequencies (MHz)	11700-12200
Emission Designator(s)	2M00G7W
Polarization	Linear
Bandwidth	2 MHz
Transmit Gain	21 dB at 14-14.5 GHz
Maximum EIRP per Carrier (dBW)	18 dBW/2 MHz
Maximum EIRP Density per Carrier (dBW/4 kHz)	-9 dBW/4 kHz
Site Location	n/a; U.S. and its territories, U.S. territorial waters, and international waters
Satellite Points of Communication	Galaxy 16 (S2687) at 99.0° W.L.
	Horizons 3e (S2947) at 191.0° W.L.
	Intelsat 37e (S2972) at 18.0° W.L.
	Intelsat 40e (S3066) at 91.0° W.L.