



July 7, 2022

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

Re: Request for 180-days of Special Temporary Authority to Operate 0.25m Ku-band Antennas

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 180 days of Special Temporary Authority ("STA"),¹ commencing upon grant, to temporarily 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.² The ESIM antennas will be mounted on terrestrial and maritime vessels and operate while stationary and in motion. The testing is scheduled to begin immediately upon grant and will occur intermittently as customer demands necessitate.

The test will be performed in the following frequency bands: 14000-14500 MHz in the uplink; and 11700-12200 MHz in the downlink. During testing the antennas will communicate with Galaxy 17 (S2715) and Intelsat 37e (S2972). Additional antenna and satellite information is included as Exhibit A.

The 24x7 contact information for the requested operations is Scott Congdon at (571) 286-1922 and Eric Li at (703) 663-0882.

Intelsat attaches a Radiation Hazard Report as Exhibit B. 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 proposed operations of these antennas will enable Intelsat to provide customer service. Accordingly, grant of this STA request is in the public interest.

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 has filed a related 30-day request, see Intelsat License LLC's Request for Special Temporary Authority to test .25m Ku-band antennas, File No. SES-STA-20220614-00650 (filed June 14, 2022).

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

Sincerely,

/s/ Cynthia J. Grady

Cynthia J. Grady
Assistant General Counsel
Intelsat US LLC

cc: Kerry Murray

EXHIBIT A

Antenna

Antenna Description	HiSky 8x8 Dynamic
Antenna size	.25m
Transmit Frequencies	14.0-14.5 GHz
Receive Frequencies	11.7-12.2 GHz
Polarization	Vertical/Horizontal
Bandwidth	2 MHz
Transmit Gain	21 dB at 14-14.5 GHz
Maximum EIRP per Carrier	18 dBW/2 MHz
Maximum EIRP Density per Carrier	-9 dBW/4 kHz

Point(s) of Communication

Satellite	Galaxy 17
Call Sign	S2715
Satellite Type	Geostationary
Orbital Location	91° W.L.

Satellite	Intelsat 37e
Call Sign	S2972
Satellite Type	Geostationary
Orbital Location	18° W.L.