



May 16, 2022

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

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

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 30 days of Special Temporary Authority ("STA")¹ previously granted to Intelsat² to temporarily operate two identical 0.25m Ku-band antennas with Galaxy 17 (S2715) and Intelsat 37e (S2972) in order to test the antennas. The antennas will be mounted on terrestrial vehicles and the proposed test will be conducted while the antennas are stationary and in motion. The testing is expected to last for 90 days and will occur within a 10-mile radius of Herndon, Virginia and a 20-mile radius of San Juan, Puerto Rico.

The test will be performed in the following frequency bands: 14.0-14.5 GHz in the uplink; and 11.7-12.2 GHz in the downlink. Additional antenna information is included in Exhibit A.

The 24x7 contact information for the requested operations is as follows:

Ph.: (703) 663-0882 – Eric Li

Intelsat incorporates by reference Exhibit A of its original request,³ a Radiation Hazard Report. 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 temporary operation of these antennas will enable Intelsat to test new equipment. 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 See *Satellite Communications Services Information; Actions Taken*, Report No. SES-02459, File No. SES-STA-20211129-01843 (Apr. 20, 2022) (Public Notice).

³ *Id.*

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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
Emission Designators	2M00G7W
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
Location 1 (NAD83) Herndon, VA	77° 25' 18.687" W
	38° 57' 5.444" N
Location 2 (NAD83) San Juan, PR	65° 49' 46.531" W
	18° 22' 30.709" N

Point(s) of Communication

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

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