



April 27, 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 Three
0.25m ESIM 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 operate three 0.25m Earth Station in Motion ("ESIM") antennas in Ku-band for a customer demonstration in U.S. territorial and international waters. The ESIM antennas are mounted on maritime vessels and operate while stationary and in motion. The demonstration is expected to last approximately four months.

During the demonstration, the ESIM antennas are communicating with Galaxy 17 (S2715) in the 11.7-12.2 GHz and 14.0-14.5 GHz frequency bands.³

The 24x7 contacts for the operations are: Eric Li at (703) 663-0882 and Carl Cagle at (404) 381-2147. 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 operations will enable Intelsat to provide a customer demonstration. Accordingly, grant of this STA extension request is in the public interest.

Sincerely,

/s/ Cynthia J. Grady

Cynthia J. Grady

Assistant General Counsel, Intelsat US LLC

cc: Kerry Murray

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-02456, File No. SES-STA-20220308-00249 (Apr. 6, 2022) (Public Notice).

³ In support of this request, additional antenna and satellite information is provided in Exhibit A. Intelsat incorporates by reference Exhibit B of its original request, a Radiation Hazard Report. *Id.*

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	Linear
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