



July 8, 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 Two 0.3m Ku-band Flat Panel Antenna

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 180 days of Special Temporary Authority ("STA"),¹ commencing upon grant, to operate two 0.3m flat-panel antennas in the continental United States in order to test the antennas and use the antennas for customer demonstrations. Intelsat intends to file for blanket authority to use this terminal and expects to continue operating these antennas under STA until permanent authority is granted.²

Specifically, Intelsat seeks STA to communicate with Galaxy 18 (S2733), Intelsat 37e (S2972), and SKY-B1 (S2922) in the 11.7-12.2 GHz and 14.0-14.5 GHz frequency bands with the 0.3m antennas.³ The proposed operations will occur while the antennas are stationary.

The 24x7 contact information for the proposed operations is: Tony Williams at (404) 381-2744. 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 will enable Intelsat to test and demonstrate new equipment. Accordingly, grant of this STA is in the public interest.

Respectfully submitted,

/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 Intelsat has a related 30-day STA on file, see Intelsat License LLC, Request for 30 days of Special Temporary Authority to test two 0.3m Ku-band antennas, File No. SES-STA-20220708-00736 (filed July 8, 2022).

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

EXHIBIT A

Antenna

Antenna Description	Starwin FL30P
Antenna size	0.3m
Transmit Frequencies	14.0-14.5 GHz
Receive Frequencies	11.7-12.2 GHz
Polarization	Linear/Vertical
Bandwidth	4.32 MHz
Transmit Gain	32 dBi @ 14.3 GHz
Maximum EIRP Density per Carrier	44 dBW/4 kHz

Point(s) of Communication

Satellite	Galaxy 18
Call Sign	S2733
Satellite Type	Geostationary
Orbital Location	123.0° W.L.

Satellite	Intelsat 37e
Call Sign	S2972
Satellite Type	Geostationary
Orbital Location	18.0° W.L.

Satellite	SKY-B1
Call Sign	S2922
Satellite Type	Geostationary
<i>Orbital Location</i>	43.15° W.L.