



January 3, 2023

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

Re: Request for Special Temporary Authority to Operate Ku-band Flat Panel Antenna

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),¹ commencing January 30, 2023, to operate a 0.3m flat-panel Ku-band antenna in the continental United States. Intelsat will be testing the antenna while stationary. Intelsat expects the testing to last approximately three months.

The proposed operations will be in: 11700-12200 MHz (downlink) and 14200-14500 MHz (uplink).² The antenna will communicate with Galaxy 17. In support of this request, Intelsat herein attaches additional operational information and a Radiation Hazard Report as Exhibits A and B, respectively.

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 antenna, Intelsat will take all reasonable steps to eliminate the interference.

The proposed operations will enable Intelsat to test new equipment. Accordingly, grant of this STA is in the public interest.

Respectfully submitted,

/s/ W. Ray Rutngamlug
W. Ray Rutngamlug
Associate General Counsel
Intelsat US LLC

cc: Franco Hinojosa

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 will not operate within 150 km of the Tracking and Data Relay Satellite System sites in Blossom Point, Maryland and White Sands, New Mexico.

EXHIBIT A

Intelsat License LLC Request for Special Temporary Authority to Operate Ku-band Flat Panel Antenna

Antenna Description	Xphased PU3030
Antenna Size (m)	0.3
Transmit Frequencies (MHz)	14200-14500
Receive Frequencies (MHz)	11700-12200
Emission Designator(s)	1M23G7D
Polarization	Linear
Bandwidth (MHz)	1.229
Transmit Gain	30.6 dBi @ 14300 MHz (boresight) 28.1 dBi @ 14300 MHz (30° elevation angle)
Maximum EIRP per Carrier (dBW)	41.5 (boresight) 39.0 (30° elevation angle)
Maximum EIRP Density per Carrier (dBW/4 kHz)	6.5
Site Locations and Latitude/Longitude (NAD83)	n/a; continental U.S.
Satellite Point(s) of Communication, Call Sign, and Orbital Location	Galaxy 17 (S2715) at 91.0° W.L.