



May 19, 2022

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

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

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),¹ commencing June 6, 2022, to temporarily operate two 0.25m Ku-band antennas with SKY-B1 (S2922) 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 30-mile radius of Tampa, FL. Additional antenna and satellite information is included in Exhibit A.

The test will be performed in the following frequency bands: 14297.1-14299.1 MHz in the uplink; and 11700-12200 MHz in the downlink.

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

Ph.: (703) 270-4781 – Howard DeFelice

In further support of this request, Intelsat attaches Exhibit B, 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.

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.

EXHIBIT A

Antenna

Antenna Description	HiSky 8x8 Dynamic
Antenna size	.25m
Transmit Frequencies	14297.1-14299.1 MHz
Receive Frequencies	11.7-12.2 GHz
Emission Designators	2 MHz carrier
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	-6.98 dBW/4 kHz
Site Location	Hillsborough County, FL
Latitude (NAD83)	27° 45' 49" N
Longitude (NAD83)	82° 20' 49" W

Point(s) of Communication

Satellite	SKY-B1
Call Sign	S2922
Satellite Type	Geostationary
Orbital Location	43.15°W