



March 3, 2021

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

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

Dear Ms. Dortch:

Intelsat License LLC, as debtor in possession (“Intelsat”), herein requests Special Temporary Authority (“STA”)¹ for 30 days, commencing March 11, 2021, to utilize a Kymeta u8 (.82m flat-panel) Ku-band antenna to communicate with Galaxy 18 (S2733), Galaxy 11 (S2253), Intelsat 37e (S2972), and SKY-B1 (S2922) in order to test the antenna. The proposed operations will take place while the antenna is fixed at Intelsat’s Hagerstown, Maryland teleport and while in motion on a terrestrial vehicle in Maryland, Virginia, North Carolina, South Carolina, Georgia, and Florida. Intelsat expects testing to last approximately two months.

The proposed operations will be performed in the following frequency bands: 14000-14500 MHz (Earth-to-space) and 11700-12200 MHz (space-to-Earth). The antenna has a transmit gain of 35.1 dBi at 14.0 GHz and a receive gain of 36.7 dBi at 11.7 GHz. The total EIRP for all carriers will be 47.2 dBW.

The 24x7 contact information for the proposed operations mission is:

Howard DeFelice; (516) 455-4670 or (703) 270-4781

In further support of this request, Intelsat herewith attaches a Radiation Hazard Report as Exhibit A. 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.

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.

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Grant of this STA request will serve the public interest by enabling Intelsat to test new equipment.

Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,

/s/ Cynthia J. Grady
Cynthia J. Grady
Assistant General Counsel
Intelsat US LLC

cc: Paul Blais