



May 6, 2021

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

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

Dear Ms. Dortch:

Intelsat License LLC, as debtor in possession ("Intelsat"), herein requests an additional 30 days of Special Temporary Authority ("STA")¹ previously granted to Intelsat² to use 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 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 to complete testing in May 2021.

The operations will continue to 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 is be 47.2 dBW.

The 24x7 contact information for the operations is:

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

In further support of this request, Intelsat incorporates by reference Exhibit A of its original request,³ which contains a Radiation Hazard Report. 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.

² See, e.g., *Satellite Communications Services Information; Actions Taken*, Report No. SES-02356, File No. SES-STA-20210406-00615 (Apr. 14, 2021) (Public Notice).

³ See *Satellite Communications Services Information; Actions Taken*, Report No. SES-02345, File No. SES-STA-20210303-00424 (Mar. 17, 2021) (Public Notice).

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Grant of this further STA extension request will serve the public interest by enabling Intelsat to continue testing new equipment.

Please direct any questions regarding this further STA extension 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