



July 15, 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 Antennas

Dear Ms. Dortch:

Intelsat License LLC, as debtor in possession ("Intelsat"), herein requests Special Temporary Authority ("STA")¹ for 30 days, commencing July 23, 2021, to utilize 50 Kymeta u8 (.82m flat-panel) Ku-band antennas within the United States and its territories to communicate with Intelsat satellites in order to provide customer service.² The proposed operations will take place while the antennas are in motion on terrestrial vehicles. Intelsat expects operations 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 Kymeta u8 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:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

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.

² The satellite used by each individual Kymeta u8 antenna is determined by the location of the antenna and satellite availability. Both factors, antenna location and satellite, are unique to each antenna and may change over the course of the STA period. As such, Intelsat is seeking to communicate with its fleet of satellites in order to support customer service on the antennas. The proposed operations will be consistent with all applicable coordination agreements.

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Grant of this STA request will serve the public interest by enabling Intelsat to provide new customer service.

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
Anthony Asongwed
Kerry Murray