



April 21, 2021

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

Re: Request for Extension of Special Temporary Authority to Operate New Ku-band Earth Station in Motion Antennas

Dear Ms. Dortch:

Intelsat License LLC, as debtor in possession ("Intelsat"), herein requests an additional 60 days of Special Temporary Authority ("STA")¹ previously granted to Intelsat² to utilize 30 0.23m airplane-mounted Earth Station in Motion Ku-band antennas (collectively, the "ESIM Antennas") within the United States and its territories to communicate with Intelsat satellites and Hispasat 143W-1 (S3058) in order to test antenna performance and provide customer service.³ The ESIM Antennas will operate during flight and on the tarmac. Intelsat will be seeking permanent authority to use these antennas.

The operations will continue to be performed in the following frequency bands: 14.0-14.5 GHz in the uplink; and 10.7-12.2 GHz in the downlink. The ESIM Antennas have a transmit gain of 30.4 dB at 14.25 GHz and a receive gain of 28.9 dB at 11.75 GHz. The total EIRP for all carriers is 43.2 dBW with a maximum EIRP density of 7.2 dBW/4KHz.

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

Intelsat Secure Operational Center
Phone: +1 404-381-2727
Email: ISOC@intelsatgeneral.com
Primary Point of Contact:
Angela Wheeler, Manager, Network Operations
Phone: +1 404-381-2727

¹ Intelsat has filed its STA request, an FCC Form 159, a \$210.00 filing fee, and this supporting letter electronically via the International Bureau's Filing System.

² See *Satellite Communications Services Information; Actions Taken*, Report No. SES-02342, File No. SES-STA-20210201-00198 (Mar. 3, 2021) (Public Notice).

³ The satellite an individual antenna communicates with is dependent on the antenna location and satellite availability during the communication and will vary over time. Therefore, in order to support customer service on the ESIM Antennas, Intelsat is seeking to communicate with its U.S.-licensed fleet of satellites and Intelsat satellites with market access. The operations will be consistent with all applicable coordination agreements.

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Email: Angela.Wheeler@IntelsatGeneral.com

In further support of this request, Intelsat incorporates by reference Exhibits A and B of its original request,⁴ which contain technical information supporting the proposed operations and a Radiation Hazard Report. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its ESIM Antennas, Intelsat will take all reasonable steps to eliminate the interference.

Grant of this STA extension request will serve the public interest by enabling Intelsat to complete the testing of the ESIM Antennas and provide new customer service.

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

Sincerely,

/s/ Cynthia J. Grady

Cynthia J. Grady
Assistant General Counsel
Intelsat US LLC

cc: Paul Blais

⁴ See *supra*, n. 2.