



February 23, 2023

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 a Ball 9x9 0.46m Ku-band ESIM Terminal with NGSO FSS System Satellites

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 30 days of Special Temporary Authority ("STA")¹ previously granted to Intelsat to operate a Ball 9x9 0.46m Ku-band airplane-mounted earth station in motion ("ESIM") terminal with non-geostationary orbit ("NGSO") fixed-satellite service ("FSS") system satellites for testing and demonstrations.² The requested authority is for operations while the airplane is on the tarmac at the San Juan Airport (SJU) in San Juan, Puerto Rico, as well as inflight. Inflight testing operations are over the continental United States, Puerto Rico and U.S. territories in the greater Caribbean area, and international waters. The testing area is not over foreign territories or waters.

Intelsat requests to operate the ESIM terminal in 11700-12200 MHz (downlink) and 14000-14500 MHz (uplink) to communicate with the OneWeb Constellation (Call Sign S2963). In support of this request, Intelsat incorporates by reference Exhibits A-C of its original request, which contain additional technical information, off-axis EIRP spectral density plots, and a Radiation Hazard Report, respectively.³

The 24x7 contact information is: Angela Wheeler, Director, Network Operations Center, at (404) 381-2820.

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, the 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-02538, File No. SES-STA-20221228-01544 (Feb. 1, 2023) (Public Notice). The aeronautical operations will continue to confirm with the coordination agreement between Intelsat and National Aeronautics and Space Administration.

³ *Id* at Exhibits A-C.

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The requested operations will enable Intelsat to test new equipment. Accordingly, grant of this request is in the public interest.

/s/ W. Ray Rutngamlug
W. Ray Rutngamlug
Associate General Counsel
Intelsat US LLC

cc: Franco Hinojosa