

Applicant: Intelsat License LLC, as debtor-in-possession
Call Sign: E170121
File No.: SES-STA-20200327-00347
Special Temporary Authority (“STA”)

Intelsat Licensee LLC, as debtor-in-possession (“Intelsat”) is granted extension of STA for 30 days to continue to conduct testing to evaluate the Spain licensed HISPASAT 143W-1 at the 143°W orbital location using five (5) earth station aboard aircraft (“ESAA”) Astronics AeroSat FliteStream T-310 model HR129 terminals. Operations shall be under the following conditions:

1. Grant of this special temporary authority does not constitute a grant of U.S. market access for HISPASAT 143W-1 at the 143° W orbital location.
2. Operations shall be on frequencies: 14000-14500 MHz (Earth-to-space); 11450-12750 MHz (space-to-Earth) over CONUS, western parts of Mexico and Canada, parts of the Pacific Ocean, including Alaska and Hawaii (SAT-PDR-20191205-00143).
3. Operations under this authority are on a non-interference basis only and non-protected basis only and while operating under this temporary authority, Intelsat must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating radio-communications systems. Intelsat must cease operations immediately upon notification of such interference and must immediately inform the Commission, in writing, of such an event.
4. Operation pursuant to this authorization must comply with the terms of the licensee’s coordination agreements with the National Science Foundation and the National Aeronautics and Space Administration pertaining to operation of ESAA in the Ku-Band frequencies.
5. Operation pursuant to this authorization outside the United States in the 14.0-14.5 GHz band must be in compliance with the provisions of Annex 1, Part C of Recommendation ITU-R M.1643, with respect to any radio astronomy station performing observations in the 14.47-14.5 GHz band.
6. Operations pursuant to 47 C.F.R. §25.228 (a),(b), (c),(g)(1)-(3),(j)(1), and (j)(5).
7. Operation pursuant to this authorization must conform to the terms of coordination agreements between the operators of HISPASAT 143W-1 and operators of other Ku-band geostationary satellites within six angular degrees of HISPASAT 143W-1 satellite. In the event that another GSO Fixed-Satellite Service (FSS) space station commences operation in the 14.0-14.5 GHz band at a location within six degrees of this space station, ESAs operating pursuant to this temporary authority shall cease transmitting to that space station unless and until such operation has been coordinated with the new space station’s operator or Intelsat demonstrates that such operation will not cause harmful interference to the new co-frequency space station.
8. The licensee shall ensure installation of terminals on aircraft by qualified installers who have an understanding of the antenna’s radiation environment and the measures best suited to

maximize protection of the general public and persons operating the aircraft and equipment. A terminal exhibiting radiation exposure levels exceeding 1.0 mW/cm² in accessible areas, such as at the exterior surface of the radome, shall have a label attached to the surface of the terminal warning about the radiation hazard and shall include thereon a diagram showing the regions around the terminal where the radiation levels could exceed 1.0 mW/cm².

9. Operations authorized herein must not be used to provide air traffic control communications.
10. ESAA (Ku-band frequencies only) on the ground must not transmit at elevation angles less than three degrees.
11. Intelsat shall comply with any pertinent limits established by the International Tele-communication Union to protect other services allocated internationally.
12. In connection with the provision of service in any particular country, Intelsat is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.
13. Operations of terminals shall not be within line-of-sight of TDRSS stations.
14. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat's risk.
15. Operations of this station during the period from expiration of April 1, 2020, FCC IBFS File No. SES-STA-20200210-00140, to the grant of this STA was authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. § 1.62.

This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately.