

Applicant: ViaSat, Inc.
Call Sign: E050318
File No.: SES-STA-20200512-00525
Special Temporary Authority (“STA”)

ViaSat, Inc. (“ViaSat”) is granted extension STA for 60 days to conduct testing, evaluation, and customer services during long-haul, international routes outside of CONUS using five (5) earth station aboard aircraft (“ESAA”) KuKarray terminals in the 14000-14500 MHz (Earth-to-space) and 11450-12200 MHz (space-to-Earth) frequency bands over the Pacific Ocean Region, Alaska, and Hawaii with Eutelsat 174A satellite at 174°W orbital location (Call Sign S2610); over the Gulf of Mexico, Latin America, and Caribbean region with SES-10 satellite (Call Sign S2950) at 67°W orbital location. Operations shall be under the following conditions:

1. Operations shall not exceed parameters proposed in the pending modification application IBFS File No. SES-MFS-20200204-001122
2. Operations with the Eutelsat 174A satellite will be limited to the satellite’s available frequencies 11450-11700 MHz and 12200 MHz (space-to-Earth).
3. Operations under this authority are on a non-interference basis only and non-protected basis only and while operating under this temporary authority, ViaSat must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating radio-communications systems. ViaSat 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).
7. Operation pursuant to this authorization must conform to the terms of coordination agreements between the operators of Eutelsat 174A and SES-10 satellites and operators of other Ku-band geostationary satellites within six angular degrees of Eutelsat 174A and SES-10 satellites. 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, ESAA’s 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 ViaSat 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. ViaSat shall comply with any pertinent limits established by the International Telecommunication Union to protect other services allocated internationally.
12. In connection with the provision of service in any particular country, ViaSat 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. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending application IBFS File No. SES-MFS-20200204-001122.
15. Operations of this station during the period from expiration of May 12, 2020, FCC IBFS File No. SES-STA-20200204-00117, to the grant of this STA was authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. § 1.62.
16. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at ViaSat's risk.

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. Petitions for reconsideration under Section 1.106 or applications for review under Sections 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be filed within thirty days of the date of the public notice indicating that this action was taken.