

Applicant: Spire Global, Inc.  
File No.: SES-STA-20200831-00939  
Call Sign: E160033  
Special Temporary Authority

Spire Global, Inc. is granted a special temporary authority for 60 days, beginning September 28, 2020 to commence its operations in Boulder, CO to operate its 1.85 meter M2ANTENNA SYSTEMS and 1.85 meter INNOV fixed earth stations in the 402-403 MHz (Earth-to-space and space-to-Earth) frequency band and 1.8 meter ELITE fixed earth station in the 2020-2025 MHz (space-to-Earth) frequency band with its non-geostationary orbit (NGSO) satellites, LEMUR NGSO (S2946) and MINAS NGSO (S3045) and under the following conditions:

1. Operations shall not exceed the operational power levels and parameters authorized in SES-MOD-20200828-00938.
2. All operations under this grant of special temporary authority shall be on an unprotected and non-harmful interference basis. Spire Global, Inc. shall not cause harmful interference to and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
3. In the event of any harmful interference under this grant of special temporary authority, Spire Global, Inc. must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
4. All operators of satellites will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs, Currently the 24x7 contact information for the Technical Assistance Center is Ph.: 4153563400 X307.
5. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Spire Global, Inc.'s risk.
6. Spire Global, Inc. shall adhere to the modification of condition 900601 in accordance with license condition #15 on prior LEMUR satellite license (SAT-AMD-20180102-00001): 900601 Spire and DOC/NOAA shall work jointly to explore mitigation strategies to avoid interference to NOAA missions in the band 402-403 MHz. As of the date of this grant, Spire has earth station authorizations for operations with the LEMUR constellation in the 402-403 MHz band at the locations listed in Appendix A to this grant and outside the United States. For future missions, transition of TT&C links out of the 402-403 MHz band is required such that operations within the frequency band do not extend beyond October 31, 2020. Spire shall coordinate new earth station locations in the U.S. territory operating in 402-403 MHz with DOC/NOAA by providing the location of such stations for DOC/NOAA's review for interference concerns and approval prior to operation of those ground stations.
7. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Spire Global, Inc. applications.

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