

Applicant: Universal Space Network, Inc.
No Call Sign
File No.: SES-STA-20210323-00560
Special Temporary Authority (STA)

Universal Space Network Inc. (“USN”) is granted STA to operate for 30 days, beginning May 1, 2021, USN’s 13 meter ground station antenna located at 19° 00’ 50.3”N, 155°39’46.6”W in Naalehu, HI to conduct the needed telemetry, tracking, and control (“TT&C”) function during testing and validation of the Low-Earth orbit (“LEO”) NGSO PATHSTONE spacecraft bus, licensed by New Zealand, not commercial service to the United States, for future lunar missions, with the first slated for Q3-2021. USN has contracted with Swedish Space Corporation (“SSC”), Solna, Sweden to support the bus testing portion in the S-Band of the satellite prior to its validation for future lunar missions. STA operations shall be under the following condition(s):

1. Universal Space Network, Inc. shall not transmit to the PATHSTONE spacecraft when the NASA International Space Station (NORAD ID 25544 or International Spacecraft ID 1998-067A) is within 36 degrees of the Naalehu, HI ground station antenna boresight.
2. Uplink Transmissions in the 2025-2210 MHz frequency band must not exceed the equivalent isotropic radiated power limits in No. 21.8 of the ITU Radio Regulations.
3. Power flux-density levels from operation of the PATHSTONE spacecraft in the 2200-2290 MHz band must not exceed the limits in No. 22.5 and Table 21-4 of the ITU Radio Regulations.
4. Operation of the PATHSTONE spacecraft shall satisfy the limits/protection criteria in Recommendation ITUR SA.1157-1 and ITU-R SA.609-2.
5. All operations shall be limited to telemetry, tracking, and control (“TT&C”) function during testing and validation of the LEO NGSO PATHSTONE spacecraft.
6. All operations shall be on an unprotected, non-interference basis to both government and non-government operations. In the event of any harmful interference as a result of operations under this grant of STA, USN shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
7. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at USN’s own risk.

8. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future USN's applications.

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 upon release.