

Applicant: Universal Space Network, Inc.  
Call Sign: None  
File No.: SES-STA-20210505-00771  
Special Temporary Authority (“STA”)

Universal Space Network Inc. (“USN”) is granted special temporary authority for 8 days, commencing May 24, 2021, to operate its 13 meter antenna earth station in Naalehu, HI to provide telemetry, tracking, and control on 2041.598 MHz (Earth-to-space) and 2217.120 MHz (space-to-Earth) frequencies with India’s licensed NGSO lunar-orbiting Chandrayaan-2 satellite to conduct data collection testing support. The Chandrayaan-2 mission to collect data is essential for the future US/Japanese lunar base relating to the NASA Artemis program. STA operations are under the following conditions:

1. All operations shall be on an unprotected basis.
2. All operations should be limited to providing tracking and command, telemetry functions for India's licensed NGSO lunar-orbiting Chandrayaan-2 satellite.
3. Transmission from the Universal Space Network, Inc. earth station shall cease when the NASA International Space Station (NORAD designation 25544, International Spacecraft ID 1998-067A) or the NASA Ionospheric Connection Explorer (NORAD designation 44628, International Spacecraft ID 2019-068A) is within 10 degrees of the Naalehu, HI earth station antenna boresight.
4. The licensee shall take all necessary measures to ensure that the antenna does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR 1.1307(b) and 1.1310 wherever such exposures might occur. Measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling or by field measurements. The FCC's OET Bulletin 65 (available on-line at [www.fcc.gov/oet/rfsafety](http://www.fcc.gov/oet/rfsafety)) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.
5. 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.