

Applicant: Maris Developments
File No.: SES-STA-20201006-01090
Call Sign: E181611
Special Temporary Authority

Maris Developments (“Maris”) is granted a special temporary authority for 30 days, starting November 02, 2020, to operate its Boardman, OR fixed earth station with the “Lynk the World” satellites operating in a non-geostationary orbit at 450 km altitude, 51 deg. incl as authorized under Experimental call sign WQ9XDP on center frequencies 2080 MHz (Earth-to-space); and 2260 (space-to-Earth) under the following conditions:

1. Operations will not exceed the operational power levels and parameters 5.5 (dBW) Max EIRP per Carrier(dBW)/-13.9 dBW/4 KHz.
2. All operations under this grant of special temporary authority shall be on an unprotected and non harmful interference basis. Operations 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, the operator 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 if harmful interference occurs, Currently the 24x7 contact information is Ph.: (206) -399-1834.
5. Any action taken, or expense incurred as a result of operations pursuant to this special temporary authority is solely at Maris’ risk.
6. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Maris applications.
7. All operations shall be limited to durations when a licensed test facility is within view of the Lynk the World satellite.
8. Operations must be successfully coordinated with the local Society of BroadcastEngineers frequency coordinator in the proposed areas prior to operation in 2079.7184-2080.2816 MHz. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
9. Maris shall be aware that requests for operation in the 2025-2110 MHz and 2200-2290 MHz bands are considered on a case-by-case basis, and no expectations that future requests, including requests for renewal, will be approved.
10. Transmissions from the Lynk the World satellite in the 2200-2290 MHz band shall be limited to a single frequency of 2260.0 MHz and transmissions from earth stations supporting the Lynk the World satellite in the 2025-2110 MHz band shall be limited to a single frequency of 2080.0 MHz.
11. Operations using the 2025-2110 MHz or 2200-2290 MHz frequency bands shall be strictly limited to durations when the Lynk the World satellite is visible to the earth station locations coordinated with federal agencies, as listed below:
 - a. Dublin, Ohio
 - b. Boardman, Oregon
 - c. Kapolei, Oahu, Hawaii
 - d. Torri Brianche, Italy
 - e. Dublin, Ireland
12. Earth station transmissions using frequency of 2080 MHz shall cease operation when the NASA International Space Station (NORAD designation 25544 or International Spacecraft ID 1998-067A) is within 15 degrees of the earth station antenna boresight. Lynk Global, Inc. assumes full responsibility for ensuring each supporting earth station complies with this requirement, and Lynk Global, Inc. shall notify the NASA JSC Spectrum Management Office (JSC-DL-SPECTRUM-MANAGEMENT@MAIL.NASA.GOV) a minimum of 7 days in advance of any planned satellite contacts that are expected to require mitigation as a result of this requirement.
13. Lynk Global, Inc. shall coordinate the addition of any earth station location operating in the 2025-2110 MHz or 2200-2290 MHz bands not specifically identified in Condition 12 (including earth station locations outside the US&P) with the NTIA and federal agencies prior to submitting regulatory applications for operation.
14. Transmissions from foreign earth stations to the Lynk the World satellite

shall obtain the appropriate regulatory license from the respective foreign administrations prior to operations.

14. All transmissions in the band 2200-2290 MHz shall comply with national and international power flux density limits, unless otherwise coordinated with the NTIA and federal agencies. PFD analysis shall be submitted with the FCC application and provided to the NTIA for US Government review.

15. Lynk Global, Inc. shall immediately notify the NASA JSC Spectrum Management Office (JSC-DL-SPECTRUM-MANAGEMENT@MAIL.NASA.GOV) in the event a spacecraft anomaly prevents termination of the Lynk the World satellite transmission in the 2200-2290 MHz band.

16. Lynk Global, Inc. shall provide Stop Buzzer POCs for the Lynk the World satellite and supporting earth stations to the NASA JSC Spectrum Management Office (JSC-DLSPECTRUM-MANAGEMENT@MAIL.NASA.GOV) and Air Force (Jimmy.Nguyen@us.af.mil). Any changes to the Stop Buzzer POCs shall be immediately communicated.

17. NLT 60 days prior to launch, Lynk Global, Inc. shall provide operations and spaceflight trajectories to the Naval Surface Warfare Center, Dahlgren Division (NSWCDD). Five (5) blackout zones (BOZs) WILL be imposed as follows:

- (1) 1500 nautical mile radius centered at 22N160W
- (2) 1500 nautical mile radius centered at 33.25N119.57W
- (3) 1500 nautical mile radius centered at 4.11N175.2W
- (4) 1500 nautical mile radius centered at 57.46N152.38W
- (5) 1500 nautical mile radius centered at 32.37N106.47W

18. Operations must also comply with any and all restrictions that may be levied by NSWCDD.

The primary contacts for frequency coordination:

Mr. James Moneyhon, (540) 653-3477- james.moneyhon@navy.mil

Mr. A. Jason Verdugo, (540) 653-9590 – Anthony.J.Verdugo@navy.mil

Mr. Phillip B. Scyphers, (540) 653-6071 – Phillip.scyphers@navy.mil

Group email box: W_DLGR_NSWC_FTMA_FM@navy.mil

19. The designated point-of-contacts to terminate transmissions if interference occurs are Tyghe Speidel at (240) 705-9409, and Robert Noteboom at (703) 623-7982.

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.