

Request for Modification

Aethero Space, Inc.

Aethero Space, Inc. (“Aethero”) files this request for modification to its grant, under file number EX-CN-0517-2026, to request a change in orbital parameters. Aethero, due to circumstances outside of its control, was removed from the Transporter 19 launch. Aethero was able to remanifest on a launch with a launch window that begins on November 1, 2026. Aethero therefore respectfully requests that its application be granted on or before September 1, 2026.

As a result of being on a new launch, Aethero’s orbital inclination will change from being in a sun-synchronous orbit at 88 degrees inclination. Its orbital altitude will be the same at 500 km +/- 20 km.

Aethero also requests authority to communicate with the Iridium NGSO constellation in the 1616 to 1626.5 MHz band. Titan will communicate bi-directionally with the Iridium network of spacecraft as a secondary means of communications for telemetry, tracking, and command. These signals will help Aethero to retrieve health data from Titan and facilitate commands from its ground stations via the Iridium network of satellites in emergency situations. Aethero has coordinated the filing of this modification with Iridium and expects that Iridium will be able to file a companion license application in the near future.

Aethero has also provided a new ODAR with this application, which demonstrates its compliance with Section 5.64 of the Commission’s rules as well as a new NTIA Space Data Record. Aethero will also notify the respective federal agencies of the change to its orbital parameters.

Aethero’s authorized spectrum use in the 2025-2110 MHz band (Earth-to-space), 2200-2290 MHz (space-to-Earth), and 8025-8400 MHz (space-to-Earth) will not change as a result of its new launch parameters. Likewise, Aethero’s proposed launch and early operations phase and mission CONOPs will be identical to what was described in the underlying application narrative and authorized in Aethero’s grant.