

Request for Experimental Authority

Iridium Satellite LLC (“Iridium”) seeks an experimental license to transmit in the 1618.725-1626.5 MHz band from its space stations¹ to the Titan satellite (“Titan”) in support of a mission for the benefit of Aethero Space Inc. (“Aethero”). Iridium requests that its license application be granted for a 24 month period beginning on November 1, 2026.

As stated in Aethero’s experimental application for Titan,² the goal of the Titan mission is to demonstrate its space-rated computer technology in an effort to provide one of the first representations of an orbital data center. Four Iridium transceiver modems (model 9603) will be installed on the satellite and will communicate with the Iridium constellation. Transmission from Titan will begin after deployment and cease upon completion of the mission.

There will be no change during the experiment in the operating parameters of Iridium’s space stations, which are licensed as Part 25 space stations under Call Sign S2110. For this reason, no operating parameters, other than effective radiated power and emission designator, are used in the form that this exhibit accompanies. The only change for which Iridium seeks authority is adding the Titan satellite as a point of communication. Iridium’s Part 25 space station license does not cover space-to-space communications.

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¹ Iridium’s constellation is comprised of 66 satellites, any one of which may be used as part of the experiment at any point in time.

² See Aethero Space Inc, Application for Modification of Experimental Authority to Launch and Operate Titan, Call sign WQ2XNL, OET File No. 0169-EX-CM-2026 (filed July 23, 2026); *see also* Aethero Space Inc, Application for Experimental Authority to Launch and Operate Titan, Call sign WQ2XNL, OET File No. 0517-EX-CN-2026 (granted July 23, 2026).