

Request for Special Temporary Authority

Iridium Satellite LLC (“Iridium”) seeks experimental special temporary authority (“STA”) to transmit in the 1618.725-1626.5 MHz band from its space stations¹ to the smallsat HORIS-1, a spacecraft operated by ACME AtronOmatic LLC d/b/a MyRadar (“MyRadar”).

Iridium requests that its STA be granted for a period of 180 days beginning March 1, 2025. Iridium asks that the STA be issued by January 1, 2025, to satisfy the requirements of the launch integrators.

As stated in MyRadar’s experimental STA request,² the goal of the mission is to operate the HORIS-1 spacecraft to demonstrate multi-sensor data capture and downlink, AI-assisted low-bandwidth alerting, and training dataset generation. The primary mission objective is collection of orbital training data for AI model development. An Iridium transceiver modem (model 9603) on HORIS-1 will communicate with the Iridium constellation.

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 an authority is adding the HORIS-1 spacecraft 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 ACME AtronOmatic LLC d/b/a MyRadar, Application for Special Temporary Authority to Launch and Operate HORIS-1, OET File No. 2046-EX-ST-2024 (filed Nov. 2, 2024).