

Request for Experimental Authority

Iridium Satellite LLC (“Iridium”) hereby requests a two-year experimental license to transmit from its space stations to the LumirX spacecraft in the 1618.725–1626.5 MHz band.¹ Iridium requests authority to operate starting October 15, 2026.

LumirX is a satellite to be launched on a SpaceX Falcon 9 mission and operated by Lumir Inc., a South Korean space technology company. LumirX is a small synthetic aperture radar (“SAR”) satellite and will be testing novel X-band SAR technology using high resolution earth observation technology. Lumir plans to use an Iridium 9603N transceiver modem installed on the satellite to communicate via Iridium’s constellation to relay TT&C and operational anomaly recovery for the duration 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 identified in the form this exhibit accompanies. The only change for which Iridium seeks experimental authority is adding the LumirX 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.