

## EXHIBIT

This request for special temporary authority ("STA") is related to an STA request (FCC File No. 1052-EX-ST-2014) filed by San Jose State University ("SJSU").

In its STA request, SJSU sought authority to operate an Iridium satellite phone that it will host on the Lambdasat picosatellite in low earth orbit. The satellite phone will transmit from the picosat to space stations in Iridium's "Big LEO" constellation. The transmissions are part of an experiment that, among other goals, will evaluate, demonstrate, and validate the use of the Iridium constellation for two-way communication with mission operations on Earth.

In this STA request, Iridium seeks authority, in connection with the experiment, to transmit from its space stations to SJSU's Lambdasat in the 1618.725–1626.5 MHz band. The technical characteristics of these transmissions will be identical to the technical characteristic of Iridium's already-licensed space station transmissions in the 1618.725–1626.5 MHz band.<sup>1</sup>

Iridium's space station constellation is licensed under Call Sign S2110. Because Iridium will be operating under the requested STA in accordance with the parameters of its license, no operating parameters, other than effective radiated power, were used in the form that this exhibit accompanies. The only change from Iridium's licensed operations is that Iridium will be adding the picosat as a point of communication. Iridium's space station license does not cover intersatellite communications in the 1618.725–1626.5 MHz band.

It is anticipated that SJSU's Lambdasat will be in orbit for a maximum of seventy-five (75) days. However, because of current uncertainty as to when the experiment will begin, Iridium is seeking authority herein to cover the period shown in the STA form.

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<sup>1</sup> 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.