

EXHIBIT

This request for special temporary authority (“STA”) is related to an Experimental License request (FCC File No. 0171-EX-PL-2013) filed by Cosmiac at University of New Mexico (“Cosmiac”).

In its license request, Cosmiac sought authority to operate an Iridium satellite short burst data modem (“SBD”) that it will host on a space weather picosat in low earth orbit. The SBD 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 with a private remote sensing satellite system to collect radiation data that will allow for a better understanding of the ionosphere.

In this STA request, Iridium seeks authority, in connection with the experiment, to transmit from its space stations to Cosmiac’s picosat 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.¹

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 the SBD on Cosmiac’s picosat will be operated for the six-month period of November 14, 2014 to May 14, 2015.

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.