

Request for Special Temporary Authority

Capitol Technology University (“CTU”) has requested special temporary authority (“STA”) to operate two Iridium 9603 modems in connection with the launch of a sub-orbital rocket that is scheduled for August 2018.¹ The details of these operations are described in CTU’s STA request.² The modems will transmit to space stations in Iridium’s “Big LEO” constellation.

Iridium hereby requests an STA to transmit in the reverse direction, from its Big LEO constellation to the 9603 modems. 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.³

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 rocket-based modems as a point of communication. Iridium’s space station license does not cover intersatellite communications in the 1618.725–1626.5 MHz band.

¹ See File No. 0851-EX-ST-2018.

² See *id.*

³ 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.