

Planet Labs Inc.
Request for Special Temporary Authority
August 12, 2020

Request for Special Temporary Authority - Narrative

Planet Labs Inc. (Planet), pursuant to Section 25.120 of the Federal Communications Commission's (FCC's or Commission's) Rules, 47 C.F.R. § 25.120, hereby requests Special Temporary Authority (STA) for an additional Earth-to-space UHF channel to communicate with Planet's Flock constellation, Call Sign S2912. Planet requests the addition of an Earth-to-space channel with a center frequency of 450.1 MHz and a bandwidth of 0.06 MHz, as well as a space-to Earth channel with a center frequency of 401.4 MHz and a bandwidth of 0.06 MHz, for a period of 180 days.

Grant of this STA request will serve the public interest by allowing Planet to investigate the ability to lower radio interference to the Flock satellite's UHF communications link through use of additional channels centered at 450.1 MHz and 401.4 MHz. Planet is not requesting any other changes to the Flock authorization, and the additional channels are within the frequency range of 449.75 - 450.25 MHz for earth to space communication and 401 - 402 MHz for space to earth communication included in the current Flock Space Station license. Therefore, in order to test the effectiveness of the additional channel, Planet is requesting Special Temporary Authority.