

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 short-term modification of the uplink and downlink transmission frequencies for Planet's earth station located at Maddock, North Dakota (Call Sign E150004). Planet requests the earth station be granted the authority to transmit at a center frequency of 450.1 MHz, with a bandwidth of 0.06 MHz, to all satellites in the Flock constellation (Call Sign S2912), as well as the authority to receive transmissions at a center frequency of 401.4 MHz with 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 ranges of 449.75 - 450.25 MHz (Earth-to-space) and 401 - 402 MHz (space-to-Earth) 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.