

In response to the following paragraph to which we need to comply:

47 CFR 15.407(c) *The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.*

The default state of the PA is off. The CPU sends the data and sets the data length in the medium access control (mac) hardware. The mac hardware sends txstart and txend signals to the modem during the beginning and end of transmission. This ensures that there is no transmission in absence of information to transmit. In the case of operational failure, the default state of the PA is off. The physical layer control (PLC) controls the PA. The hardware mac controls the PLC. In case of operational failures in that chain the mac would reset the modem. In case of operational failure of the mac, the host would reset the mac.