

DOVE-3 and DOVE-4 Experimental Missions

This modification requests the addition of UHF and S-band transmit frequencies at Morehead State University to support the Planet Labs "Dove" series of satellites—in this case Dove-3 and Dove-4. The 21 m dish will also be involved in Dove satellite X-band and UHF downlink testing, but those frequencies will be receive only.

The Dove-3 and Dove-4 missions will test cubesat bus technologies associated with the program's goal of developing a constellation of Earth imaging satellites. The ultimate goal is to map the entire Earth to better understand the changing planet and ecosystems.