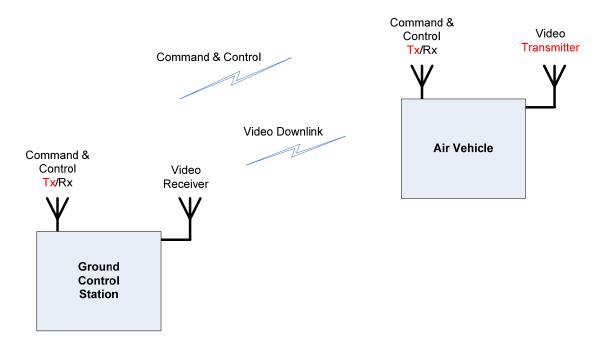
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This program involves the flight test of Unmanned Aerial Systems for the US Military and for DARPA for reconnaissance and surveillance missions. The radios and associated frequency bands have been coordinated with the US Military and DARPA POCs for their desired operations. The communication links (both command and control, and video feedback) are crucial to provide situation awareness to the warfighter. The command and control link has been integrated via a Microhard Systems Inc. radio operating in the 310-390 MHz range (or alternate frequency range of 902-928 MHz). The video feedback is accomplished via an L3 Communications Inc transmitter (operating in the 2300-2500 MHz range) onboard the air vehicle and a receiver on the ground control station. (See figure below)



The operations covered in this application apply to two separate locations:

The first is at our Laguna test site. This site is on the Laguna Pueblo, New Mexico and is approximately 40 miles west of Albuquerque. The elevation of this site is approximately 6200 feet MSL. This site is where we perform flight test of our unmanned air vehicles, although we operate below 400 feet AGL.

The second is at the Honeywell facility. This is our tethered flight facility. The elevation of this site is approximately 5100 feet MSL. Since the vehicle is constrained by the tether, the maximum altitude of the vehicle is 180 feet AGL.