

Antenna Registration Question 5 FAA Antenna Sketch
MIT Lincoln Laboratory
STA License Application
STA Confirmation Number: EL425867
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The experiment will consist of one fixed ground and one mobile airborne communication system that provide the data link under test. Each system contains two to four electronically scanned phased array antennas. The fixed ground system antennas will be mounted less than six meters above an existing building. The pointing of the ground station antennas is software controlled and the antennas will track the airborne system.

The airborne system antennas are installed on a manned aircraft. The airborne system will operate at altitudes up to 25,000 ft MSL in the specified area of operations. The pointing of the airborne antennas is software controlled and the antennas will point at the ground station.