

Antenna Registration Question 5: FAA Antenna Sketch
MIT Lincoln Laboratory
Experimental License Application
File Number: 0001-EX-CN-2021
Confirmation Number: EL997695

The experiment will consist of up to ten (10) high altitude balloons with low power S-band transmitters with omnidirectional antennas. Each balloon will transmit a 1 MHz bandwidth signal in the requested frequency band. The S-band signal will be received by ground stations located in the operating area.

The balloons will be launched and flown by ground-based flight operators. During the flight tests the balloons will float at altitudes between 65,000 ft and 90,000 ft for up to twelve hours. All flight operations will be conducted using procedures and equipment that meet or exceed all FAA requirements.