

#### A. Experiment Description

Demonstration of a custom ground-based vertical profiling radar to monitor insect migration. This proof-of-concept system will detect and characterize insects and their movements as a platform for aeroecological research and allow research on transmit waveforms and radar scan parameters to best detect and track insects.

#### B. Measures to Avoid Interference

Bandwidth and transmit power will be tuned to the minimum required to achieve the detection and characterization requirements.