

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.