

Narrative

We intend to investigate the accuracy of marine X-Band radar in recognizing aircraft movements on and around an airport. We are currently competing in the FAA Design Competition for Universities and are in Phase II of our research project. We were encouraged by the FAA to continue our research using the X-band system after we received 3rd place for our conceptual design. At this point, we are requesting an STA in order to turn our radar unit back on to collect data. We will only use the system to determine if we can recognize fast moving objects (aircraft). We do not intend to use this radar system for any aviation purposes. The radar unit will be constantly attended on-site and will not be energized over extended periods of time. Our group believes that the temporary use of X-band radar for research purposes does not pose a threat to local aviation users or other radio frequencies in the area. This can be validated by the lack of complaints or other issues resulting from our previous operations under our last STA.
