

Team Name: sdmay24-24

Team Members: Jacob Elliot, Julia Falat, Joseph Hanson, Logan Kinch, Viola Newman, Chris Penne

Report Period: Jan 28th – Feb 10th

Summary of Progress in this Period

Began designing the receiver transmitter circuit. Were able to get a signal reading with one transducer and one receiver. Software also received a MCU to begin understanding the software for the project and brainstorming the best ways to implement their code.

Pending Issues

Transistor began not reading our signal earlier this week when we adjusted our system phase. We believe the MCU was having trouble reading the updated wave and it began inverting the transmission.

Plans for Upcoming Reporting Period

Get our system transmitting properly and implement it in a transducer array. We also plan to start adjusting our filters on the receiver side so that we can begin our object detection in the following period.
