
EE/CprE/SE 492 WEEKLY REPORT 1

12/21/24 - 1/30/25

sdmay25-16

Project title: Multi-Channel High-Gain Low Noise Amplifier for High-Frequency Ultrasound Signal Acquisition

Client &/Advisor: Manojit Pramanik

Team Members/Role:

Jon Wetenkamp, Yash Gaonkar, Ethan Hulinsky, Ryan Ellerbach

- **Weekly Summary:** Due to our work being done at the lab in the MRC, and our lab advisor being out of state, we did not have access to the lab during the first weeks back from break. We worked on setting up new meeting times for both the in-person lab work and our biweekly zoom calls with our faculty advisor. Refamiliarized ourselves with where we are at with the project and what our immediate next steps are. Before winter break, we had a breakthrough in the performance of our amplifier and are now going to work on implementing additional stages.
- **Past week accomplishments** Member 1: Worked on... □ Team Member 2:
 - Yash Gaonkar: Worked on setting up meeting times for the semester. Looked over past reports and technical documents to refamiliarize.
 - Ethan Hulinsky: Looked over past reports and technical documents to refamiliarize.
 - Ryan Ellerbach: Looked over past reports and technical documents to refamiliarize.
 - Jon Wetenkamp: Looked over past reports and technical documents to refamiliarize.

Pending issues

None so far.

Past week accomplishments

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u> (Quick list of contributions. This should be short.)	<u>Hours this week</u>	<u>HOURS cumulative</u>
Jonathan Wetenkamp	Looked over past reports and technical documents	3	33.5

Yash Gaonkar	Communication with advisor, rest of team. Looked over past reports and technical documents	4	32.5
Ryan Ellerbach	Looked over past reports and technical documents	3	37.5
Ethan Hulinsky	Looked over past reports and technical documents	2	40

- **Plans for the upcoming week**

In the upcoming week we will start to implement additional stages and see how the amplifier performance is affected, and work on fixing any problems that arise while doing that.