

Team Name: sdmay21-09

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Report Period: Sept 28-Oct 11

Summary of Progress in this Period

Wee of Sep 28 - Met online on Friday to begin working on Design Document V1 for approximately an hour. Not all team members were able to attend the meeting so remaining work was scheduled for Oct 4 so that final revisions of V1 could be completed as a team. We also discussed equipment purchasing and how to get access to an oscilloscope.

Week of Oct 4 - Met online to complete work on Design Document V1. An email was sent to Professor Tyagi regarding parts ordering. Tyagi responded and set the approval to ETG. We currently expect to get the parts back in approximately a week. Additionally, an email was sent to Dr. Geiger requesting access to a high-bandwidth oscilloscope in his research lab.

Pending Issues

We still do not have access to an oscilloscope with a high enough bandwidth to observe the electromagnetic radiation of our processor and the specified frequency. We hope that we will be able to use the DSO available in Dr. Geiger's email.

Plans for Upcoming Reporting Period

Upon receipt of parts, we hope to begin building the EM antenna and capturing data for the software team to work on. Software team also plans to investigate machine learning approaches for the dataset we will be retrieving.
