

EE/CprE/SE 492 BIWEEKLY REPORT 01

1/7/18 – 1/20/18

Group number: 11

Project title: RFRD Phase II

Client &/Advisor: Dr. Daji Qiao and Dr. Nathan Neihart

Team Members/Role:

Bailey Akers - Facilitator/RFRD Tag Design/Fabrication Engineer

Colin Sunderman - RFRD Tag Design/Fabrication Engineer

Lyle Bishop - Principal Antenna Engineer

Pengyu Qu – Antenna/Power Harvesting Engineer

Nathan Mulbrook - RFRD Wireless Communications Engineer

o Past two weeks accomplishments

Team Member 1: Bailey Akers

Met with Dr. Qiao to plan the team meetings and prepare for the new semester, met with team to begin planning for the new semester, created an initial PCB design for the capacitance measuring circuit

Team Member 2: Colin Sunderman

Met with Dr. Qiao to plan the team meetings and prepare for the new semester, met with team to begin planning for the new semester, created an initial PCB design for the capacitance measuring circuit

Team Member 3: Pengyu Qu

Met with team to begin planning for the new semester, start rectifier design

Team Member 4: Lyle Bishop

Team Member 5: Nathan Mulbrook

Continued research into software-controlled radio and using it for testing RFRD.

o Biweekly Summary

1/12 - Colin Sunderman and Bailey Akers met with Dr. Qiao to begin to make plans for what needs to be accomplished this semester

11/16 - Pengyu Qu, Colin Sunderman, and Bailey Akers met to plan the weekly meetings for the team, to review what progress was made last semester, and to plan for the next steps of the project

11/19 - Colin Sunderman and Bailey Akers created a PCB design for the capacitance measuring circuit

Last Two Weeks:

NAME	Individual Contributions Summary	Hours This Week	Hours Cumulative
Bailey Akers	Met with members of team to plan, created PCB design	4	4
Colin Sunderman	Met with members of team to plan, created PCB design	4	4
Pengyu Qu	Met with members of team to plan, start rectifier design	3	3
Lyle Bishop		0	0
Nathan Mulbrook		5	5

***Details of weekly contributions are noted in above Weekly Summary section.**

o Plan for coming week

Goals for next couple weeks:

Our first meeting with our advisors is 22nd. At this meeting we will present over any progress that we have made on the project since we last met and we will plan what we would like to accomplish over the next several weeks. Then we will meet on the 23rd to begin working on the project.

o Team Difficulties

The main difficulties in the first couple weeks of the semester was that we needed to review our progress from last semester and make plans for what we are to do next. Now that we have done this we should start making significant progress on the project in the next several weeks.