

Group number: 18

Project title: Radio Frequency Readout Device (RFRD)

Client &/Advisor: Dr. Qiao

Team Members/Role: Brandon Baxter/Team Leader, Vaughn Dorsey/Team Webmaster, Luke Myers/Team Communication Leader, Kurt Turner/Team Key Concept Holder, Aaron Haywood, Robert Buckley, Mehdy Faik, Kellen Yoder, Michael Miller

o Weekly Summary

The first week we met as a group to touch base and discuss some of our goals for the semester. Vaughn began work on the development of the software companion device. We also started initial work on debugging our IC prototype.

o Past week accomplishments

- Brandon Baxter:
- Vaughn Dorsey: Began initial development of device companion software.
- Luke Myers: Did some testing with our IC prototype.
- Kurt Turner: Debug initial IC prototype.
- Aaron Haywood: IC prototype testing
- Robert Buckley: Assisted with debugging initial IC prototype.
- Mehdy Faik: Looked into simulations for rectification
- Kellen Yoder:
- Michael Miller:

o Pending issues

- Brandon Baxter:
- Vaughn Dorsey: None that I'm aware of.
- Luke Myers:
- Kurt Turner: Need to fix clock divider issue.
- Aaron Haywood: Antenna power
- Robert Buckley: How to increase the power sent to the Reader antenna.
- Mehdy Faik:
- Kellen Yoder:
- Michael Miller:

o Individual contributions

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulativ e</u>
Brandon Baxter			
Vaughn Dorsey	Began Software Development with interface design	1	1
Luke Myers	Conducted some further testing with our IC prototype	2.5	2.5
Kurt Turner	IC prototype testing	3	3
Aaron Haywood	IC prototype test/troubleshooting	2	2
Robert Buckley	Began work to determine what output we can get out of the prototype IC.	2	2
Mehdy Faik	Looked into simulations for rectification	2	2
Kellen Yoder			
Michael Miller			

o Comments and extended discussion

o Plan for coming week

- Brandon Baxter: Worked on...

- Vaughn Dorsey: Plan to try to get interface layout completed, at least in a rough stage, and some programming done. Also want to get a database schema sorted out and capability list for the front end written up if I have time.
- Luke Myers: Continue working with prototype.
- Kurt Turner: Fix logic issue from clock divider IC, work on solving frequency issues.
- Aaron Haywood: Administrative issues, antenna work
- Robert Buckley:
- Mehdy Faik: dude just let me work
- Kellen Yoder:
- Michael Miller:

o Summary of weekly advisor meeting

We did not meet with our advisor this week.