

Group Number: May1725

Project Title: Wireless Energy Measurement System

Advisor: Nathan Neihart

Team Members/Role:

- 1) Joseph Freeland (Co-Lead)
- 2) Milan Patel (Co-Lead)
- 3) Adam Cha (Communications Lead)
- 4) Adam Dau (Webmaster)
- 5) James Tran (Key Concept Holder)
- 6) Wei LinLin (Key Concept Holder)

o Weekly Summary

Made changes to 3D printed part to have screws be able to work and also sanded down case. Emailed TI engineer to resolve clamp diode issue. Using Arduino to verify the output voltage of the circuit. Met up as a team to try and debug problems we had with the circuit and microcontroller.

o Past week accomplishments (please describe as what was done, by whom, when)

- Adam Cha - Made changes to 3D printed part to have screws be able to work and also sanded down case.
- Adam Dau - Worked with Adam Cha to made changes to 3D printed part.
- Joseph Freeland - Worked on Database and storing code on the CC3200.
- Wei LinLin - Worked with the team on figuring out board and PCB
- Milan Patel - N/A
- James Tran - Emailed TI engineer to resolve clamp diode issue. Using Arduino to verify the output voltage of the circuit

o Pending issues (if applicable)

- Adam Cha - Need to start on Case Version 2
- Adam Dau - Work with Adam Cha on Case Version 2

- Joseph Freeland - Get working CC3200 that can link to the database and everything
- Wei LinLin - Work with Joey on database
- Milan Patel - PCB testing
- James Tran - PCB tuning

o **Individual contributions**

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<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>Hours cumulative</u>
Adam Cha	Made changes to 3D printed part to have screws be able to work and also sanded down case.	4	95
Adam Dau	Worked with Adam Cha to made changes to 3D printed part.	4	50
Joseph F.	Worked on Database and storing code on the CC3200.	3	54
Wei LinLin	Worked with the team on figuring out board and PCB	2	33
Milan Patel	PCB testing	1	85
James Tran	Tested and transferred CC3200 micro to software team. Emailed TI engineer to resolve clamp diode issue. Using Arduino to verify the output voltage of the circuit	10	128

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o **Comments and extended discussion**

None at this time

o **Plan for coming week (please describe as what, who, when)**

Adam Cha

Task	Date	Expected outcome
Work on 3D printing revision 2	3/28/17	Have a better made case.

Adam Dau

Task	Date	Expected outcome
Work with Adam Cha on updating case	3/29/17	Have a better, last revision case

Joseph Freeland

Task	Date	Expected outcome
Work on getting everything together to pair circuit with CC3200	3/29/17	Have a working system

Wei LinLin

Task	Date	Expected outcome
Work with Joey to get CC3200 ready to run	3/28/17	Continue getting software side finished

Milan Patel

Task	Date	Expected outcome
Work with James on fixing PCB	03/27/17	Safer to test the circuit

James Tran

Task	Date	Expected outcome
Isolate circuit from main voltage	03/27/17	Safer to test the circuit

o Summary of weekly advisor meeting

No meeting this week.