AWaRE REU

Weekly Summary

Name: Brad King

Date: 9/5/2019

Weekly Accomplishments:

* Hooked up a more reliable safer current sensor as Dr. Lusher advised.
* Coded it to read AC current
* Verified that it sensing current, but I have not tuned the sensitivity to measure current accurately. I have only verified that it is sensing current to begin with
* Found parts required to replace the unfinished power subsystem

Weekly Challenges:

* Career fair sucking up time
* Not having a table available at the EDC this is stopping me from calibrating the sensitivity on the new current sensor.

What to do Next:

* Calibrate the Hass sensor sensitivity
* Design a pcb with Altium
* Order the power subsystem parts

Concerns:

* The battery required to run this project for 30 days is over $200. If I were to change one of two things about the system I could use a much smaller battery. I will need to talk with Dr. Lusher or Kim about this.