

Meeting Minutes

Lydia Engerbretson

Hannah Pearson

Matt Covalt

Matt Waltz

Roy Cochran

Feng Li

September 20, 2017 3:30pm-4:30pm

Agenda

* Agenda is here: <https://github.com/mateoconlechuga/tater/issues/6#issuecomment-330911069>

Agenda Notes/Status Report

We plan to buy the CW308 UFO Board which is \$235.00. We need to bring this question to client because department is expecting money from the client, so we need to go through the department. This will be the board where we will do all the analysis.

We plan to measure ENH field as specification in order to pick up signals. ENH is a sphere of influence, it measures volts per meter. This is how we will get started on the antenna design.

The ADC - sine wave to logical bits. We need to buy the ADC - we want high bit and sample rate. The 4000 series looked good.

We will also need an external power supply.

We also discussed about implementing more parallelism into our project schedule. Hannah and I (Lydia) plan to perform research on the algorithms and design algorithms that read and analyze the signal. The signal will most likely be a string of ones and zeroes and it will need to match the correct boot code.

We plan to do this while Waltz, Covalt, and Roy do hardware design and implementation. We also plan to find consistent boot code and create tests that alter boot code.

Once we get a target board, we need EM measurements - set of hardware for analysis board (4000 series).

Boot and code tests - u-boot/das u-boot/Texas Instruments with ARM processor.

Action Items

- * Everyone: Need to take (and print in senior design lab) team picture for portfolio binder.
- * Everyone: Target specs ready by 9/27.
- * Everyone: Meeting agenda ready for client meeting on 9/27.
- * Lydia: Update and reprint team contract page (spacing problems and specify team meeting place and time).
- * Roy: Ask JJ about probes.
- * Roy: Put antenna pdf on github.
- * Hannah and Lydia: Research/download u-boot.
- * Waltz: Create chart/gantt chart for milestones.
- * Waltz: Follow up with Dale about resources/research article.
- * Waltz: Ask client and department about budget.
- * Waltz: Follow up with client about meeting agenda.
- * Everyone: Plan to meet Friday at 3:30pm to discuss hardware.