

Date: 9/7/15-9/14/15

Senior Design 491(FRCCP Group) Weekly Report

Group number and Name: May1604, FRCCP Group

Client/Advisor: FRCP/Gary Tuttle, Neihart

Attendees/Role:

Jin Cui (Team Leader)

Zhihao Liao (Concept Holder)

Mario Perez (Communications Leader)

Mukund Choudhary (Idea keyholder)

Jesús Hernández (Webmaster)

✓ Past week accomplishments (please describe as what, who, when)

- ❖ This past week we contacted our client and requested a meeting time via video-chat.
- ❖ We met via email, Michael McFarland. Michael stated that his fellow co-worker that is part of the team of Engineers at FRCP is out of town. Michael requested to have our team meeting next week.
- ❖ Besides establishing contact, we were able to get some brief information about the project.

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

- ❖ The plan for the upcoming week is to meet with our client, once Ziad Yacoub makes it back from his trip and gather more

- data about the parameters and constraints of the project, as well as more general information about the project.
- ❖ We will also schedule one meeting with the group. Once we have our first meeting with our client next week, we will schedule a meeting with our advisor Gary Tuttle.
 - ❖ This week we will meet with our second advisor Professor, Neihart.

✓ **Pending issues**

- ❖ Get more details from client about project.
- ❖ Schedule 2 meetings via doodle poll.
- ❖ Gather hardware and software needed for testing antenna.

✓ **Individual contributions**

- ❖ Jin Cui Scheduled meeting with Professor Neihart. Developed ways to communication with team mates (via doodle poll, online).
- ❖ Led first and second group meeting. Scheduled 3rd and 4th doodle meetings.
- ❖ Zhihao Lia: Researched pricing for software needed to test the antenna. Found several sources of free software at school.
- ❖ Mukund Choudhary: Took notes during meetings. Found some websites for buying testing equipment to test antenna (in case we need to purchase).
- ❖ Mario Perez: Contacted FRCCP and established contact. Researched FRCCP and DFA antenna general data.
- ❖ Jesús Hernández: Took notes during meetings. Created weekly report.

✓ **Individual hourly contribution**

<u>NAME</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Jin Cui	4	4
Zhihao Lia	4	4
Mukund Choudhary	4	4
Mario Perez	4	4
Jesús Hernández	4	4

✓ **Comments and extended discussion**

This past week we met with Michael McFarland and scheduled an appointment time for next week (when Ziad Yacoub comes back from a business trip). According to our last meeting with Gary Tuttle: The main requirement for testing the antenna that our client is having repeated failures from is to isolate all other signals that could come in contact with the antenna. This can be achieved by testing the antenna in an isolation chamber. The next step in testing the antenna is to send a known signal to the antenna and assessing the behavior of the antenna to the known signal. The signal received can be analyzed by using Signal Express/Lab-view. This week we plan to talk to Professor Neihart. We will also have a group meeting. Next week we plan to talk to our client in order to gather more in-depth information about the antenna.