WEEKLY REPORT   **Date: 9/1/15-9/8/15**

Group number and Name: May1604

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 were able to meet with our advisor Gary Tuttle and developed a plan to meet once a week to discuss the project.
   ❖ The meeting with Gary Tuttle gave us insight of what the project requirements are. The requirements for verifying the operation of the DFA antenna are: Sending a signal to the antenna. Receiving signal and interpreting results as a function of frequency and range.
   ❖ We also learned that the software that we will be using to test the antenna parameters are Signal Express/Lab-view.

✓ **Plan for coming week (please describe as what, who, when)**
   ❖ The plan for the upcoming week is to meet with our client 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 2 meeting times. One meeting time will be with the group alone. The other meeting time will be with

our advisor. Gary Tuttle suggested using an application called Doodle in order to schedule two appointment times during the week.

❖ We will also download all needed software and hardware for testing the antenna.

✓ **Pending issues**

❖ Get more details from client about project.

❖ Schedule 2 weekly meetings with doodle.

❖ Gather hardware and software needed for testing antenna.

✓ **Individual contributions**

❖ Jin Cui Scheduled meeting with advisor. Developed ways to communication with team mates. Led first group meeting. Scheduled doodle meeting.

❖ Zhihao Lia: Took notes during meetings. Researched pricing for software needed to test the antenna.

❖ Mukund Choudhary: Took notes during metings. Researched pricing for possible hardware needed for testing antenna.

❖ Mario Perez: Took notes during meetings. Researched FRCCP and DFA antenna general data.

❖ Jesús Hernández: Took notes during meetings. Created weekly report.

✓ **Individual hourly contribution**

NAME	Hours this week	HOURS cumulative
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 Gary Tuttle and talked extensively about the testing procedure of an antenna. 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 is 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. Next week we plan to talk to our client in order to gather more in-depth information about the antenna.