Harrison Owens
WCP-52
Status Report for Week 9/29/14

Accomplishments
- Defined the finer details of the project and gained a better understanding of what needs to be done
  - Intended purpose of the device
  - Brainstorming parts and different ideas as how to proceed with the project
- Assigned roles of Leader and Scribe of the Group
- Scheduled a meeting with the Faculty Adviser

Problems/Suggestions
- The Groups unfamiliarity with KiCad, a necessary design tool became clear
  - Become familiar with said tool and undergo training in order to use it.
- Amongst the Group there isn't enough experience in order to design a proper Printed Circuit Board
  - Meet with the Faculty Advisor in order to go over good Printed Circuit Board design
- The group needs to finalize project requirements

Plans

- To meet on Monday in order to finalize project requirements
- Consider changing max frequency requirement from 100 Mhz to 200 Mhz
- Must add spec requirement for at least 5V Amplitude
- Change the requirement Detect signals down to 40 or 60 dB instead of 80
- Change the requirement Amplitude Accuracy must be 3 dB instead of 2.5 dB
- Need a max Voltage Standing Wave Ratio spec
- Consider using sweeping Standing Wave Ratio
- Review each Project Specification in order to be sure each one is testable
- To research vector analyzers to get good ideas of how they are implemented
- As a group familiarize ourselves with KiCad preferably by the week of 10/6