

Project May15-24 Advisor: Ayman Fayed

<b>Class D amplifier</b>	5/1/2015					
	Alan Stewart	Troy Bowers	Xilu Wang	Dana Conrad	Jing Li	Kyle Maginot
<b>Weekly Hours</b>	7		7	7		
<b>Cum Hours</b>	33.5	21	34.5	43	13.5	39
<b>Milestones</b>	<b>Due Date</b>	<b>Est Delivery</b>				<b>Status</b>
EQ Design Compl.	10/18/2014	10/23/2014				Finishing
Power Apm Design	10/30/2014	10/30/2014				Finishing
PCB Designed	11/15/2014					Not Started
Bill of Materials	11/30/2014					Not Started

Description	Target Date	Priority	Assigned To	Status

**Risks and Issues**

**Next Actions**



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Individual Activity Report								Hours for task
<b>Alan Stewart</b>	Team Lead							
	Design Document Drafting							4
	Amplifier Design							2
	Team Meetings							1
						Total		7
<b>Troy Bowers</b>	Communications							
	Created visuals for updated amplifier section of Design document.							3.5
	Completed PSPICE designs for Amplifier portion. Ready to begin simulations							4
						Total		7.5
<b>Xilu Wang</b>	Web Master							
	Revising Website							1
	Working on user interface							2
	Team Meeting							1
	Working on design doc							3
						Total		7
<b>Dana Conrad</b>	Realizing EQ component values (to values we can buy)							3.5
	Writing Design Document							2.5
	Team meetings							1
						Total		7
<b>Jing Li</b>	Key Concept Holder							
						Total		0
<b>Kyle Maginot</b>								
						Total		0

## EQ update

This week we went through the buffer and filter stages to realize the component values. Previously they were straight from the calculations, and many were too far from a component value we could actually buy. In some instances we were forced to combine two resistors or capacitors to create the value we needed.

### **Next week's goals:**

Next week we hope to start learning the PCB process and revisiting the EQ's power section (virtual ground circuit) to create a more robust virtual ground system, as we have decided to use a single 5v power supply to power the EQ side of things.. We also hope to focus more on the amplifier part now that this is fairly far along.