

Date: April 13, 2014

Group Number and Name	DEC14-06 TMS: Transcranial Magnetic Simulation
Client/Advisor	Mani Mina
Attendees/Role	Josh Abbott- Leader Spencer Ulven- Communicator Zhongheng Wang- Idea Master Kaiyue Zheng- Webmaster

Past week accomplishments

What was done, who did it, and when it was done

- ❖ A – Josh – Created most of the ultiboard symbols, signed the group up for homework 2, helped edit the project plan, and started ultiboard layout for a finished PCB board.
- ❖ B – Spencer – Wrote the weekly report, wrote the project plan, and helped josh make most of the components on the ultiboard to match our dimensions that exactly matched our components, and designed casing layout.
- ❖ C – Kaiyue – Updated the website, found a better IGBT replacement, and worked with Wang to create PCB components of the resistors and relays
- ❖ D – Zhongheng – Worked on making a PCB board using the ultiboard program connected to multisim. Changed the dimensions of components to match the ones we found. Also researched more into casing for our circuit and the possible dimensions of the circuit.
- ❖ E – As a group we started building component dimensions on ultiboard, read into documents given to us by Robert to better understand what the circuit we are building can do, and finalized the bill of materials to find out our budget.

Plan for coming week

What to do, who, and when should it be done

- ❖ A – Finish PCB layout.
- ❖ B – Finish the casing dimensions for the enclosure of the circuit.
- ❖ C – Make final PCB layout that will allow circuit to work without overheating and/or exploding.
- ❖ D – Have Kaiyue update the website with current documents.

Pending Issues

- ❖ A – Finding the right layout to create on the PCB board.
- ❖ B
- ❖ C

Individual Contributions

- ❖ A- Josh- Sized most of the components for PCB layout and helped with the project plan, and started the layout for PCB board
- ❖ B- Kaiyue- Updated the website, found IGBT replacement for old component, and created components for PCB layout.
- ❖ C- Spencer – Wrote the Weekly Report, helped sizing components for PCB layout, and wrote the project plan, also started sizing the casing we needed.
- ❖ D- Zhongheng- Sized some components for the PCB layout, and looked into casing dimensions.

Individual hourly Contributions

Weekly Report

EE491

<u>NAME</u>	<u>Hours this week</u>	<u>HOURS Cumulative</u>
Josh	11	86
Spencer	9	79
Kaiyue	5	72
Zhongheng	8	74

Comments and extended discussions: