

Date: September 21, 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 Nikhil Reddy Purma – Idea Generator

Past week accomplishments

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

- ❖ A – Josh – Met with Robert to test the IGBTs to help Robert with his research paper, then discussed findings with group. Found out the negative IGBT was put in wrong way and needs a suppression diode. Also the drivers need to be built with capacitors to be able to work properly. Divided up the tasks into three parts. Continued working on the discharge board.
- ❖ B – Spencer – Wrote the weekly report, integrated the transformer with the filter board but board was not working. The problem was either a diode was broken or the capacitor was malfunctioning.
- ❖ C – Kaiyue – Helped Spencer with integrating the transformer into circuit and updated the website and helped troubleshoot the problem with the filter board.
- ❖ D – Zhongheng – Worked with Nick to figure out the enclosure components of the circuit. Took measurements of all switches, knobs, and lights to accurately build the correct model.
- ❖ E – Nick – Worked with Wang with the casing and dimensions of everything about the board.
- ❖ E – As a group we did our separate sections but got together to

troubleshoot the problem with the filter board.

Plan for coming week

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

- ❖ A – Test each component of the filter board to determine what is wrong with it.
- ❖ B – Have Spencer write the weekly report.
- ❖ C – Josh continue working with the discharge board and Gui
- ❖ D – Have Kaiyue update the website with current documents.
- ❖ E- Have Wang and Nick keep working together on the casing.

Pending Issues

- ❖ A – Casing dimensions and layout of buttons
- ❖ B – Possibly burnt up a component on the filter board.
- ❖ C

Individual Contributions

- ❖ A- Josh- Worked with Robert on discharge board and helped troubleshoot the filter board.
- ❖ B- Kaiyue- Updated the website, helped integrate the transformer, and helped troubleshoot.
- ❖ C- Spencer – Wrote the Weekly Report, integrated the transformer and helped troubleshoot.
- ❖ D- Zhongheng- Worked on casing with Nick.

❖ E – Nick – Worked on casing with Wang

Individual hourly Contributions

<u>NAME</u>	<u>Hours this week</u>	<u>HOURS Cumulative</u>
Josh	15	39
Spencer	10	26
Kaiyue	8.5	22
Zhongheng	4	17
Nick	4	14

Comments and extended discussions: