

Date: September 28, 2014

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|------------------------------|--|
| 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 – Diagnosed problem with IGBTs and PCB on discharge board. Helped figure out the problems with the filter board. Correctly found the right way to hook up the board that was with original simulation and obtained small scale output. Tried hooking transformer up to the circuit again but found out the circuit was not handling large voltages very well.
- ❖ B – Spencer – Wrote the weekly report. After obtaining bad results from the transformer test got together with group to diagnose the problem but did not get much results. Helped with Josh on integrating the transformer on the new setup of the circuit.
- ❖ C – Kaiyue – Helped Spencer and Josh with the filter board problems and updated the website.
- ❖ D – Zhongheng – Continued working with Nick on the enclosure and talking to Lee about cost of enclosure.
- ❖ E – Nick – Worked with Wang with enclosure using AUTOCAD and obtained different quotes from companies.
- ❖ E – Our group separated into two different parts one working with filter board and the other with the enclosure

Plan for coming week

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

- ❖ A – Continue troubleshooting the filter board and enclosure details
- ❖ B – Have Spencer write the weekly report and work on filter board.
- ❖ C – Josh continue working with the filter board
- ❖ D – Have Kaiyue update the website with current documents and work with filter board.
- ❖ E- Have Wang and Nick keep working together on the casing.

Pending Issues

- ❖ A – Casing costs.
- ❖ B – Redesign the filter board.
- ❖ C

Individual Contributions

- ❖ A- Josh- Moved to help work on filter board to figure out why we were getting bad results
- ❖ B- Kaiyue- Updated the website, continued filter board work.
- ❖ C- Spencer – Wrote the Weekly Report, continued filter board work.
- ❖ D- Zhongheng- Worked on casing with Nick.
- ❖ E – Nick – Worked on casing with Wang.

Individual hourly Contributions

Weekly Report

EE491

| <u>NAME</u> | <u>Hours this week</u> | <u>HOURS Cumulative</u> |
|-------------|------------------------|-------------------------|
| Josh | 10 | 49 |
| Spencer | 7 | 33 |
| Kaiyue | 4 | 26 |
| Zhongheng | 7 | 24 |
| Nick | 5 | 19 |

Comments and extended discussions: