

Dec12-04 Ultrasound Brain Imaging System

Weekly Report -2 (Jan 24 – Jan 30)

Group Members: Justin Batcheler, Jon Driggs, Francis Ferrer, Allen Kellar, Richard Page, Amairani Tapia
Faculty Advisor and Client: Dr. Timothy Bigelow

Accomplishments of the last week

- Met with Dr. Bigelow and made corrections to block diagram of ultrasound.
- Continued to gain knowledge and research on ultrasounds and how they work.
- Starting to get an idea of a circuit design for one channel of the ultrasound.

Plan for coming week

- Update ultrasound block diagram.
- Start researching current patents for 128 channel output generators with phase control.
- Start researching to see if we can find a chip that can delay an analog signal to the nanosecond range.
- Set up a weekly meeting with Dr. Bigelow to discuss progress.
- Get group website up in the next few weeks.

Pending issues

- Project Plan due on February 15th.

Individual contributions – identify specific tasks accomplished

- Jon put together a block diagram of an ultrasound.
- After having a better idea of the project everyone in the group is researching on more specific areas.

Meetings

- Our group had a meeting on Wednesday with everyone in attendance.
- Our group had a meeting with Dr. Bigelow on Friday with everyone in attendance.