

Dec12-04 Ultrasound Brain Imaging System

Weekly Report - 3 (Jan 31 – Feb 6)

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

- Dr. Bigelow agreed on the corrections made to the block diagram of ultrasound.
- Continued to gain knowledge and research on ultrasounds and how they work.
- Group website is up.

Plan for coming week

- Begin working on the project plan.
- Contact Sound Technology and possibly acquire a probe design of their ultrasounds.
- Work on obtaining electrical characteristics of a transducer.
- Start working on the electrical design of the ultrasound.

Pending issues

- Project Plan due on February 15th.

Individual contributions – identify specific tasks accomplished

- Jon assembled a list of technical requirements as well as a skeleton of our project's schedule.
- We are focusing on researching specific parts of the block diagram.
 - Justin: Analog Delay
 - Francis: Transmit and Receive Circuit
 - Richard: Waveform Generator
 - Amairani: High Voltage Amplifier
- Allen is continuing to research general topics.

Meetings

- Our group had a meeting on Wednesday with everyone in attendance.
- Our group had a meeting with Dr. Bigelow on Friday with everyone but Allen in attendance.
- There will be no meeting with Dr. Bigelow this Friday morning.