

WEEKLY REPORT

Group name : DEC13-01-Ultrasound Brain Imaging System	Date:3/11/13
Client/Advisor: Tim Bigelow	
Attendees/Role: Zach Bertram(Webmaster), Maurio Mckay(Communication), Michael McFarland(Leader), and Jonathan Runchey(Communication)	

ACCOMPLISHMENTS FOR PAST WEEK

WHAT	WHO	WHEN
Meeting with Advisor. After talking with Dr. Bigelow and a TI employee we decided to change our choice of high voltage pulser to the LM96550, which has an 8 channel output (so we will need less chips). TI also has an EVM board for this chip, which contains the whole sending side of the circuit we are going to use. This will allow us to more easily test our receive side design.	Whole team	5pm Thursday
During our meeting Dr. Bigelow mentioned that he would like to use a different low pass filter and VGA chip than the previous group used (we do not want the ADC capability of the chip the previous group had). Researched some TI chips and came across the VCA8613 and VCA8617. Plan on using VCA8613 in design	Zach	Friday
Worked on getting the website into a more functional form	Zach	Own time
Has been trying to get in contact with an employee at TI that is more knowledgeable about ultrasound systems than Dr. Bigelow's contact	Jonathan	Own time
Sent emails to the Senior design committee to see if we can get more money for the TX-SDK-V2 Evaluation Board (\$800 for the board and ~200 for parts for the receive side of the circuit)	Jonathan	Own time
Get the general outline of our design document done and split the writing of the document up	Whole team	Sunday

PLAN FOR COMING WEEK/INDIVIDUAL TASKS

WHAT	WHO	WHEN
Keep in contact with the TI employees and the senior design committee	Jonathan	Own time
Work on Design document	Everybody	Wednesday and own time
After meeting with Bigelow start on the receive circuit that we will need to use with the Evaluation board to test if everything will work properly together	Michael	Own time

PENDING ISSUE

ISSUE	RESPONSIBILITY
Need to sort out the money issue for the evaluation module	Jonathan

INDIVIDUAL HOURLY CONTRIBUTION

<u>NAME</u>	<u>HOURS</u>
-------------	--------------

Zach Bertram	6
Maurio Mckay	4
Michael McFarland	4
Johnathan Runchey	4.5