

Team Leader: **Michael Sizemore**

Secretary: **Sara Taylor**

Team members in attendance:

Michael Sizemore, Mark Wurzelbacher, Sara Taylor, Eric Nolan, Tom Blanford

Meeting Summary

- Sara emailed Clint Manning about ESD mats/bracelets/etc. and he responded that he may have something available and to stop by office
- Software is installed, but still cannot access without Administrator's permission
- Mark still cannot find size of the charging circuit for the board design
- Mark was looking for a clip case with contacts to shield with ESD issues, but was unsuccessful; clip found in EE closet is not suitable; proposed that we could modify the case in which the battery is shipped in for a secure holder; do not want to solder battery, but it still needs a solution to be held still
- Eric reviewed the USB data interface; needs one pull-up resistor of 10k, depending on speed at which we run at, 10k is for 100kHz; need to supply with a clock; Tom believes that we can take clock off of the DSP, which operates at speed of 12.29MHz; *going to use a phase-lock loop to slow down the master clock of the DSP to use as a clock for data transfer to eeprom*; max clock speed is 1MHz
- Mark and Eric decided to switch team leader roles due to Eric's date with the University of Wisconsin on February 14th
- Mark raises question of current coming from the battery; Tom thinks it shouldn't be a concern; 1.6A is max current from charging circuit, 20x the max of the DSP; if we are bypassing battery, assume that it would work the same way; conclude that the battery should be able to run 'forever'
- http://www.batteries.com/cell-phone/lg/vx9900-battery_R-427179-10005513.html
- Sara looked for case on polycase.com, but suitability questioned
- <http://www.polycase.com/wc-21f> - A little thick, but good approximate size and has clear cover over to view screen
- Size Comparison

	Iphone	Case
Height	4.5 inches (115.2 mm)	4.53 in
Width	2.31 inches (58.6 mm)	2.56 in
Depth	0.37 inch (9.3 mm)	1.57 in

Unresolved Issues

- Battery plastic case
- Lead connector

- USB connector