

EE 491 Weekly Report | Dec15—02 | Week 11 4/6/2015

Project Title: Human Dielectric Equivalent Model	
Advisor: Jiming Song	Client: Honeywell
Members (roles): Jacob Schoneman (Team Leader), Cory Snooks (Communications Leader), Andrew Connelly (Webmaster), Stephen Nelson (Concept Holder).	

Weekly Summary:
The group completed the project plan version 2. Cory and Stephen updated the website and started designing/testing the test circuit. Andrew researched segmenting medical images.
Meeting Notes:
Need to extract the internal data from Model to be used in HFSS. Need to be able to view the .vox file. The gelatinous material being measured needs to be spread across the entire parallel plate capacitor to remove fringing effects.
Pending Issues:
Need to find a semi-rigid form for the torso solution to remain in. Need to start testing materials to get baseline numbers.
Plans for Next Week:
Meet with advisor on 4/6/2015. Design an oscillator circuit. Build a full size model if supplies come in. Get the computer model working in HFSS. Take further measurement of gelatinous material. Start planning the presentation slides.
Individual Contributions (This Week):
Jacob Schoneman: 4 hours Cory Snooks: 8 hours Andrew Connelly: 8 hours Stephen Nelson: 8 hours
Total Contributions for the Project:
Jacob Schoneman: 38 hours Cory Snooks: 44.5 hours Andrew Connelly: 38.75 hours Stephen Nelson: 47 hours