

EE 492 Weekly Report | Dec15—02 | Week 5 9/28/2015

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

Weekly Summary:
Constructed a 1 inch square parallel plate capacitor and measured the capacitance of the 0.9% physiological saline solution. Conducted research on electromagnetic principles and anatomy. Continued phantom construction. Worked on HFSS simulation WR90 waveguide.
Meeting Notes:
Honeywell has denied our request to provide the Bodycom transmitter and receiver. Discussed measurement techniques.
Pending Issues:
Phantom construction and testing. Compare simulation results to phantom results.
Plans for Next Week:
Continue research, testing, and phantom construction. Continue to develop HFSS model.
Individual Contributions (This Week):
Jacob Schoneman: 7 hours Cory Snooks: 5 hours Andrew Connelly: 8 hours Stephen Nelson: 9.5 hours
Total Contributions for the Project:
Jacob Schoneman: 92 Cory Snooks: 110.5 Andrew Connelly: 92.75 Stephen Nelson: 122.5