

# EE 492 Weekly Report | Dec15—02 | Week 11 11/9/2015

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

<b>Weekly Summary:</b>
Worked on presentation slides. Tested Agar pucks with a range of salt from 100 to 3000 % of our base recipe to develop a trend line so future recipes could be made. Updated the Matlab script to be a more robust program that handles the S1P files.
<b>Meeting Notes:</b>
Our conductance from the Y parameters show a reliance on frequency, so we are switch to the Z parameters which are mostly constant across our frequency range.
<b>Pending Issues:</b>
Testing materials and sorting through the results. Working on poster. Getting models working in HFSS.
<b>Plans for Next Week:</b>
Continue research, testing, and phantom construction. Continue to develop HFSS model.
<b>Individual Contributions (This Week):</b>
Jacob Schoneman: 17.5 hours Cory Snooks: 17 hours Andrew Connelly: 20 hours Stephen Nelson: 18 hours
<b>Total Contributions for the Project:</b>
Jacob Schoneman: 156.5 Cory Snooks: 166 Andrew Connelly: 150.25 Stephen Nelson: 204.5