

Team 13 Progress Report (Rohde and Schwarz)

Feb 7th to Feb 14th, 2020

Collective Team Progress

We met with you, our advisor about possible routes for prototyping the NLTL technology and started getting materials and components. We arrived on Wednesday for our meeting with Rohde and Schwarz but unfortunately they forgot to make a standing appointment for the proposal and we failed to properly confirm the appointment before going down. We learned to always put things in writing and to send reminders in order to avoid this in the future. We have rescheduled our proposal for **Wednesday, Feb 26th at 2:00pm**. If you are able to make this meeting, that would be great, but understand if this doesn't work with your schedule. We have also supplied them with digital copies of both the presentation we approved on Monday as well as the slides for our presentation for them to markup and supply with feedback during our next meeting.

Individual Member Tasks (To complete before next meeting with Industry Sponsors)

Eric Aki

- ☐ Search for Varactor SPICE models (In Progress)
- ☐ Help Juan with modeling of varactor CV curves (In Progress)
- ☒ Applied for and Received Free-Sample of recommended Inductors to be used for 144MHz Prototype. (Qty 10.)

Juan Rivera

- ☐ Begin Modeling of varactors CV curves as specified by industry sponsors (Matlab or ADS) (In progress)
- ☒ Complete informal project proposal presentation for industry sponsors
- ☐ Inquire with Dr. Branomir about TeraHertz Lab access
- ☒ Found resources which present a straightforward way to go about characterizing/measuring our chosen varactor.

Jianyu Hao

- ☒ Begin Bill of Materials for project including modeling/simulation software and prototyping materials
- ☒ Help Eric Research Varactors on Digikey
- ☒ Complete informal project proposal presentation for industry sponsors
- ☒ Help Eric with Gantt Chart.
- ☐ Compile BOM and add finishing touches to Slideshow presentation
- ☐ Help with ADS/Matlab Simulation (In Progress)

Blocked

- ☐ Inquire about signing Intellectual Property forms at next Industry Sponsor Meeting