EE/CprE/SE 491 Bi-WEEKLY REPORT 1

8/23 – 9/13

Group number: sddec21-15

Project title: Open-Source Prototyping of 5G-and-Beyond Wireless Systems

Client &/Advisor: Hongwei Zhang

Team Members/Role:
Haan Zilmer - Report Manager
Bradley Norman - Meeting Facilitator
Anh To - Chief Algorithm Designer
Elias Zougmore - Lead Algorithm Test Engineer

o **Weekly Summary**
  ● Team touched base with each other, discussing project difficulties and improvements, and creating a plan for the semester. Team decided to create references for technical and srsRAN specific terms so we can have a foundation for our work on the project.

o **Past week accomplishments**
  ● Haan
    • study srsRAN source code
  ● Bradley Norman
    • study wireless systems documents
  ● Anh
    • study srsRAN source code
  ● Elias
    • study UCS algorithm documentation

o **Pending issues**
  ● framework source code changed; srsLTE became srsRAN
  ● lack of srsRAN understanding; algorithm implementation unclear

o **Individual contributions**

NAME	Individual Contributions	Hours Worked	HOURS cumulative
Haan	Look into srsRAN source code	3	3
Bradely	Look into wireless communication documents	3	3
Anh	Look into srsRAN source code	3	3
Elias	Continue to study UCS paper	3	3

o **Plans for the upcoming week**
- Haan: finish glossary of technical, continue work on understanding new code base
- Bradely: determine key testing parameters for link reliability and other control inputs
- Anh: finish glossary of terms for srsRAN
- Elias: continue documentation of UCS algorithm

o **Summary of weekly advisor meeting**
- Touch base with advisor
- Look for feedback on new schedule