Contributions of Group Members:

Kevin Li & Linda

Kevin Li	Linda
● Managed hardware setup, debugging, and live testing ● Assisted with threading in Mono, Stereo, RDS ● Assisted in optimization of RF mono and stereo in live(e.g. Block sizing). ● Creation of optimization of new convolution function for mode 1 ● Debugged threading issues(e.g. Threads not going to sleep)	● Included threading in Mono, Stereo, and RDS. ● Debugged threading issues(e.g. Segmentation faults) ● Optimization of RF front end and stereo in non-live. ● Assisted in optimization of new convolution function for mode 1 ● Organizing the project

Laura	Kevin Chen
● Translated python code in Mono, Stereo, RDS to C++ ● Wrote python model for RDS ● Debugged Mono, Stereo issues ● Optimization of RF front end, Mono and stereo in non-live (e.g. Block sizing, downsample and convolution)	● Wrote python model for Mono mode 0 ● Assisted in writing python model in Stereo (e.g. fmArctan, convolution) ● Translated functions in python to C++ (e.g. fmArctan, fmpll, impulseRDS) ● Optimized and wrote mode 1 for stereo in C++ (e.g. Block sizing, data type) ● Assisted in debugging mono and stereo issues.

Disclosure:

This project was done independently between the group members of **Kevin Li** and **Yuan Meng(Linda)**, **Wenting Ju(Laura)** and **Zhengkang Chen(Kevin)** with the exception of weekly lab help from the instructor and the TA. The instructor most notably helped with fundamental knowledge, verification of correct python graphs, and understanding of how to approach the project.

Please note: The last committed file named: 'Live Stereo and RDS' does not have a fully functional RDS. By default, Stereo is running. However, to run RDS, all the code above in 'experiment.cpp' needs to be commented out and all the code below needs to be commented in.