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SDR Design for HD Video Transmission

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OTHER GROUP MEMBERS

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OBJECTIVES ADDRESSED IN WEEK 4

1. Implemented least-squares channel estimation for a 2x2 MIMO-OFDM system.
2. Plotted the BER vs Eb/No for the systems made so far.
3. Began parameterizing the model.

HIGHLIGHTS

We got familiar with working with MATLAB scripts. We've reached the first major milestone of the project. Both of us have almost finished implementing the first leg of our work plan.

NEXT OBJECTIVES

- Complete parameterization and modularization of the model.
- Handling of input and output data.
- Further study of MIMO-OFDM, and implementation of LMMSE.