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SDR Design for HD Video Transmission

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OBJECTIVES ADDRESSED IN WEEK 6

1.   Incorporation of log-likelihood decision based QPSK into the MIMO-OFDM system
2.   Integration of LDPC with MIMO-OFDM

HIGHLIGHTS

We are nearing the completion of the project. We are now trying to integrate our works, and then add the final layer for incorporating the streaming of video files into the system.

NEXT OBJECTIVES

●   Transmission of data from a file
●   Implementing a buffer based mechanism for transmission.
●   Streaming of data
●   Estimation of noise variance, & implementation of LMMSE channel estimation and inversion