Names: Albert Kulicz and Greg Landgren

Title: Satellite Digital Audio Radio Service Receiver Front-End Design

Instructor: Dr. Prasad Shastry

Acronym: sdars

login names: akulicz glandgren

Brief Description:

The Satellite Digital Audio Radio Service (SDARS) is primarliy for entertainment broadcasting from orbital satellites and received by modules commonly found on modern automobiles. This project involves designs, simulations, fabrication, and testing of integrated antenna and low-noise amplifier (LNA) to receive SDARS signals by means of SIRIUS receiver. The inclusion of the entire active antenna (passive antenna + LNA) will be designed to minimize physical size, while producing the best quality of signal.