Electronic Countermeasures for Radar
ECE 4007, Spring 2013
Thomas Helton, Om Kapoor, Hunter Scott
Dr. Mary Weitnauer

Project Overview
The goal is to design a radar and electronic countermeasures module intended for small-scale, low-cost experimentation for hobbyists and educators.

Design Solution

Modified MIT Cantenna Radar Circuit
Source: MIT OpenCourseWare

Electronic Countermeasure Module

Hardware

Results

Radar
Someone walking away and towards radar

Jamming
Increasing Clutter Residue

Noise Jamming

School of Electrical and Computer Engineering