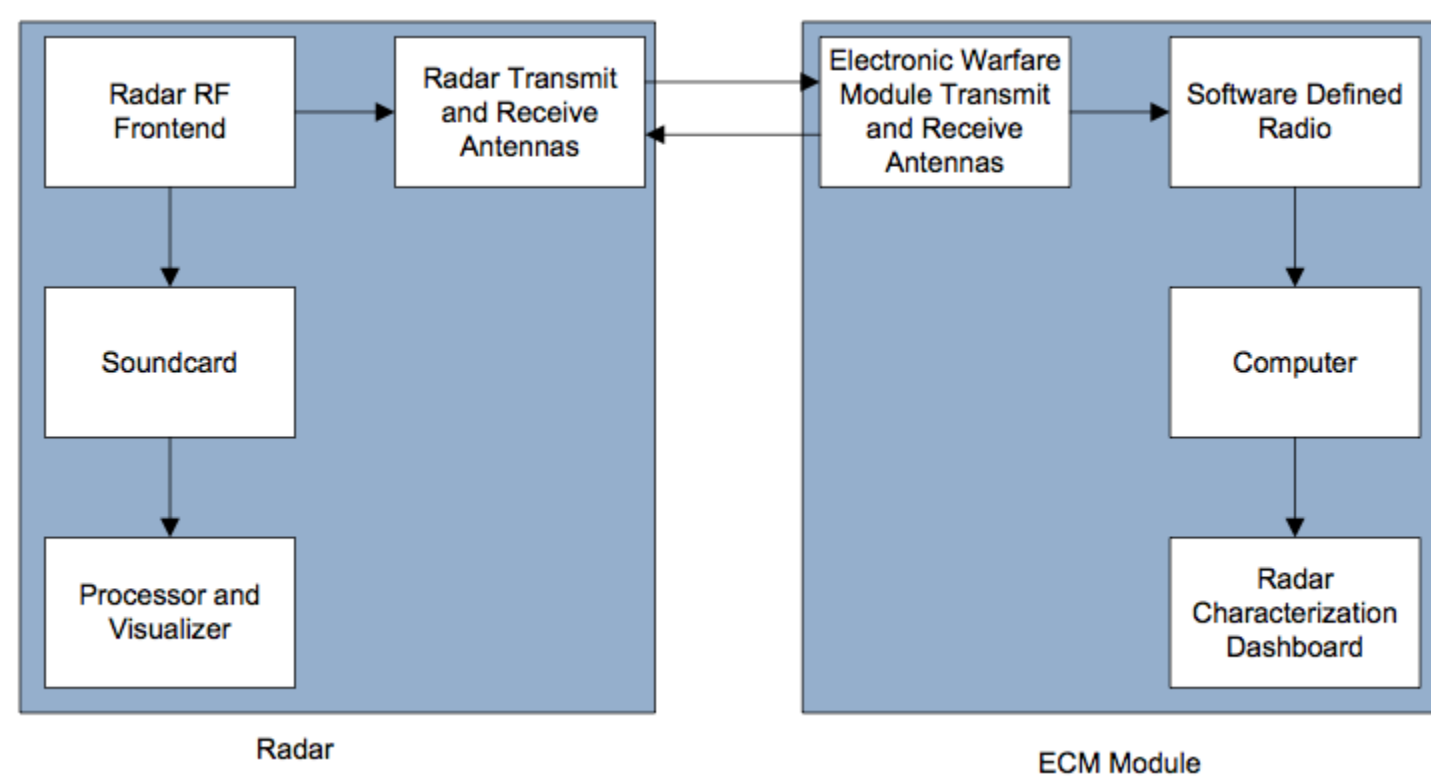




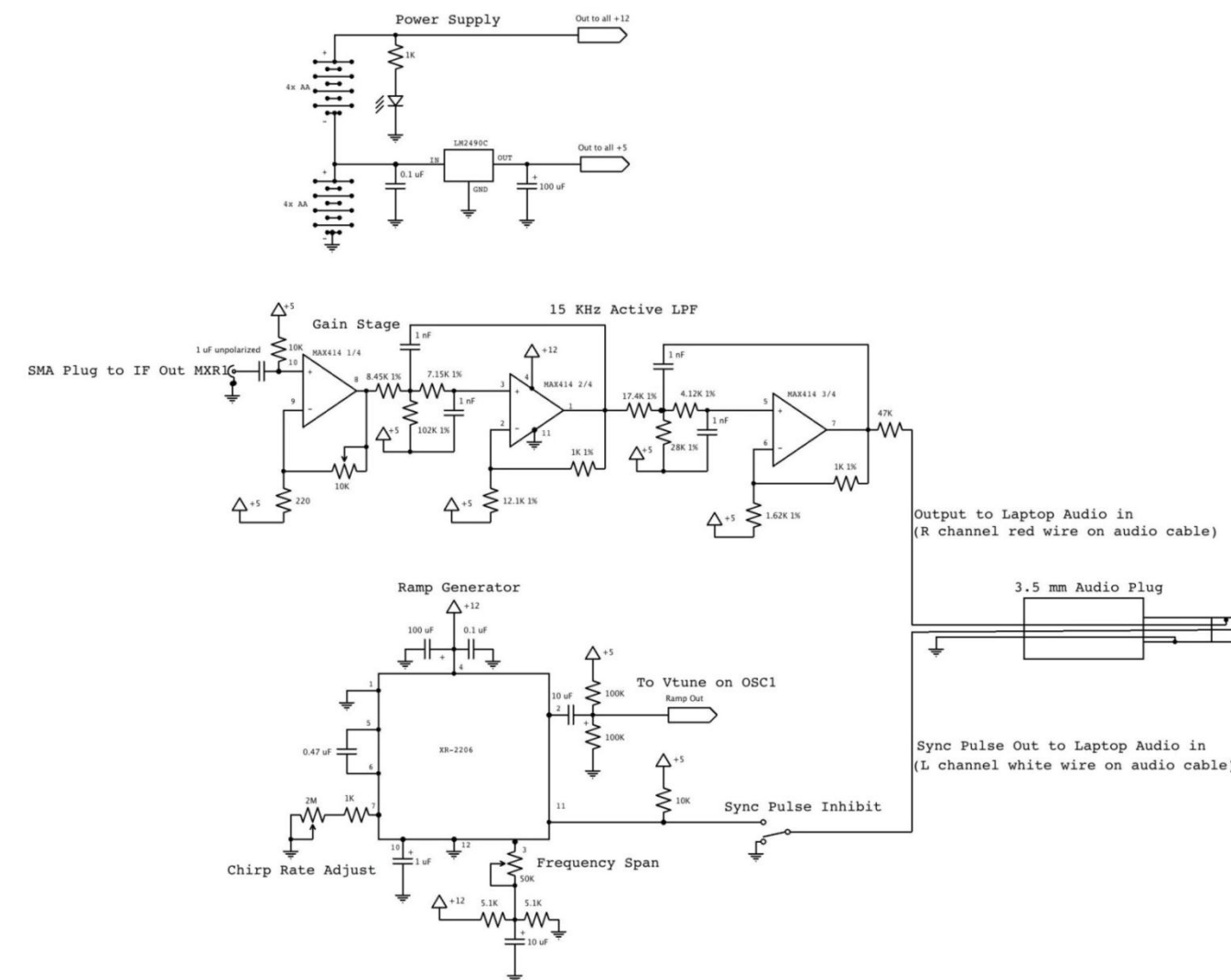
Project Overview

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

Design Solution

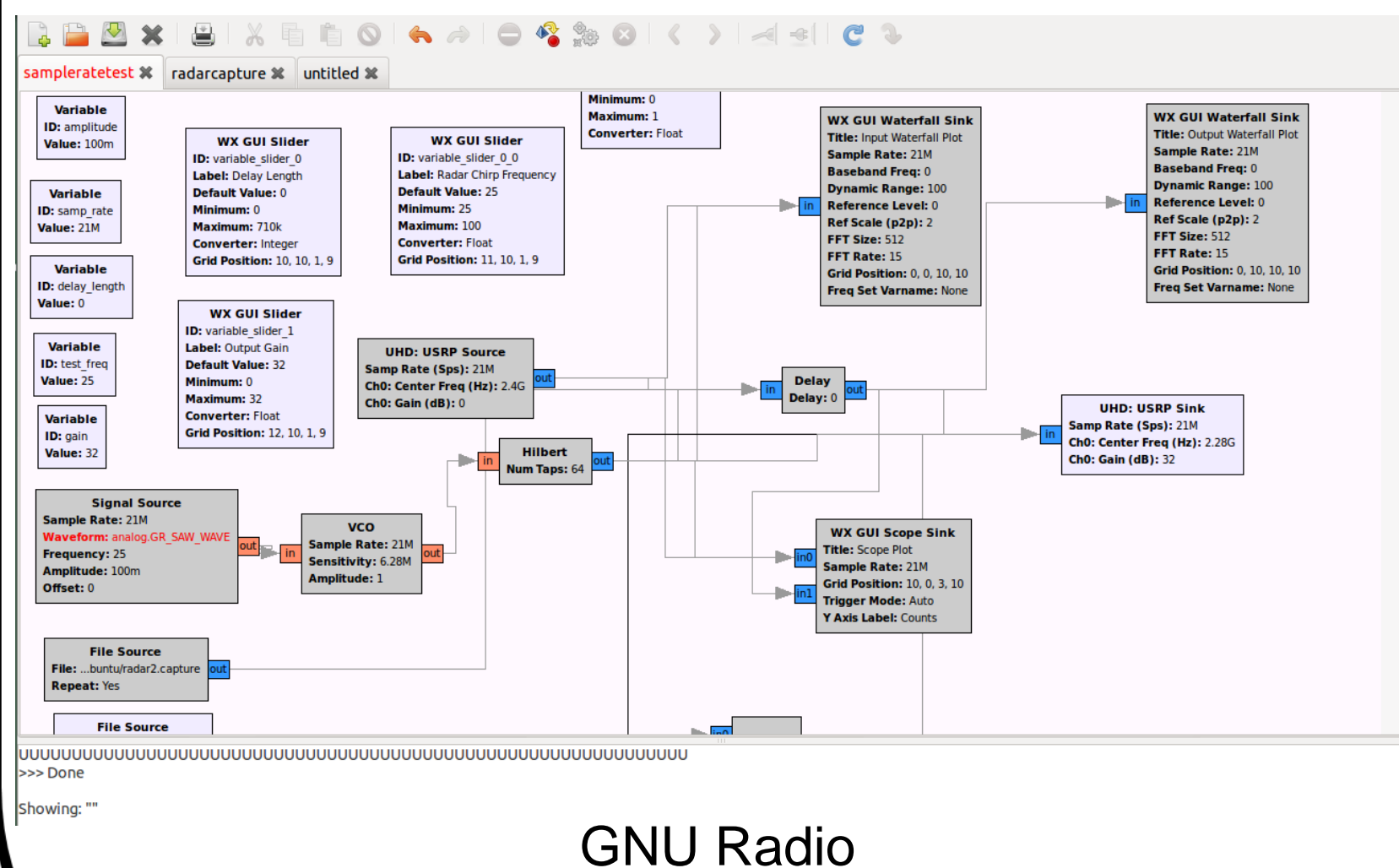


Modified MIT Antenna Radar Circuit



Source: MIT OpenCourseWare

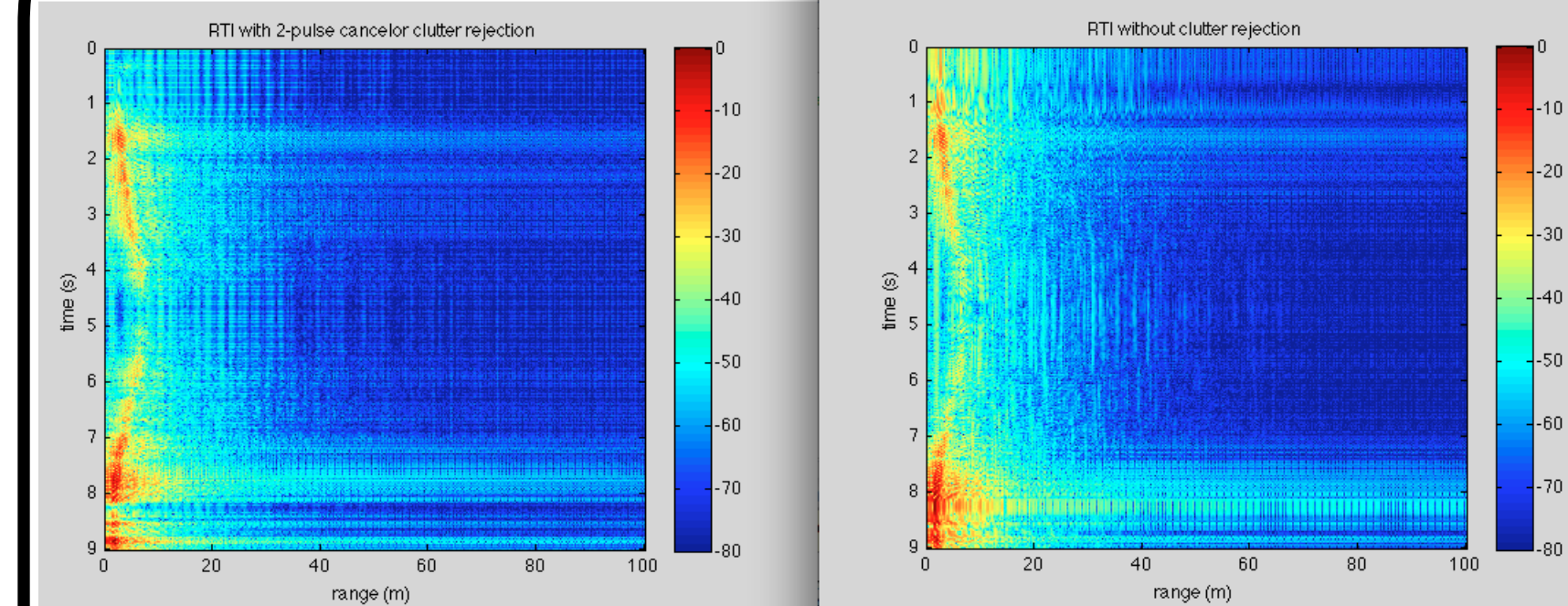
Electronic Countermeasure Module



GNU Radio

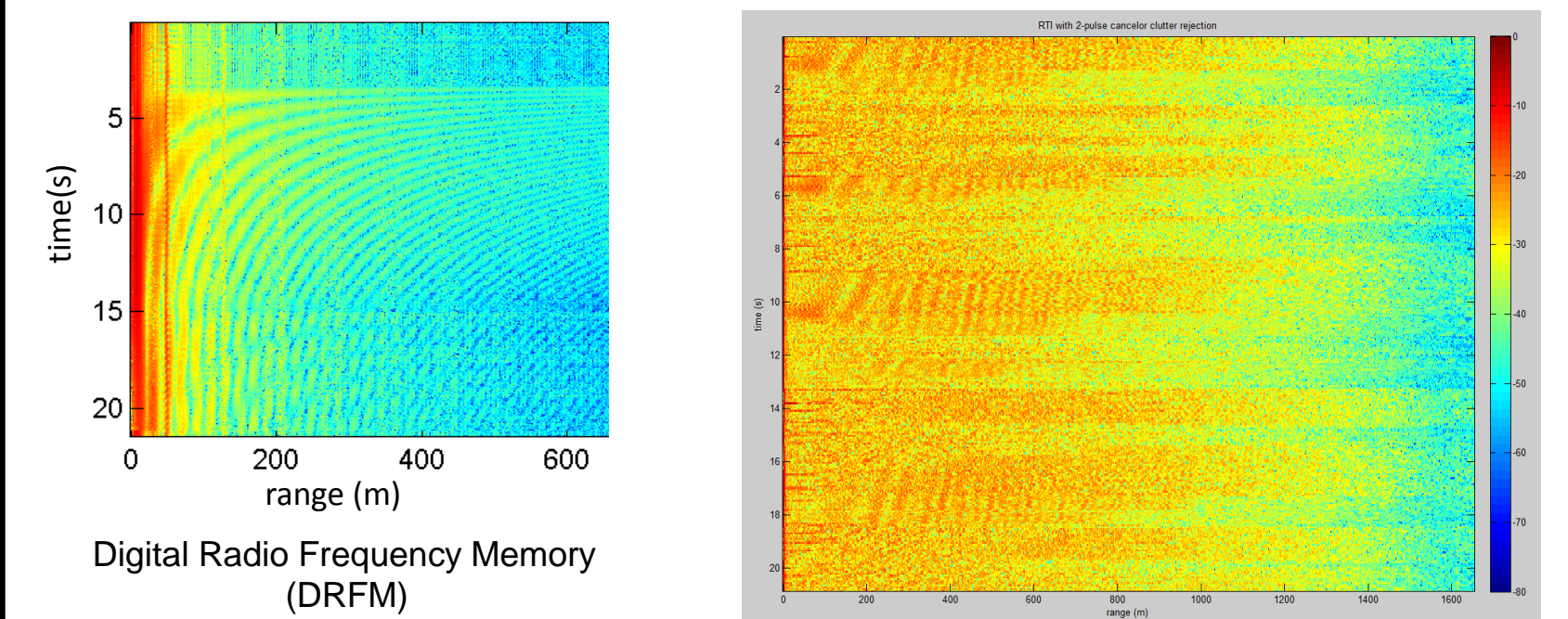
Results

Radars



Someone walking away and towards radar

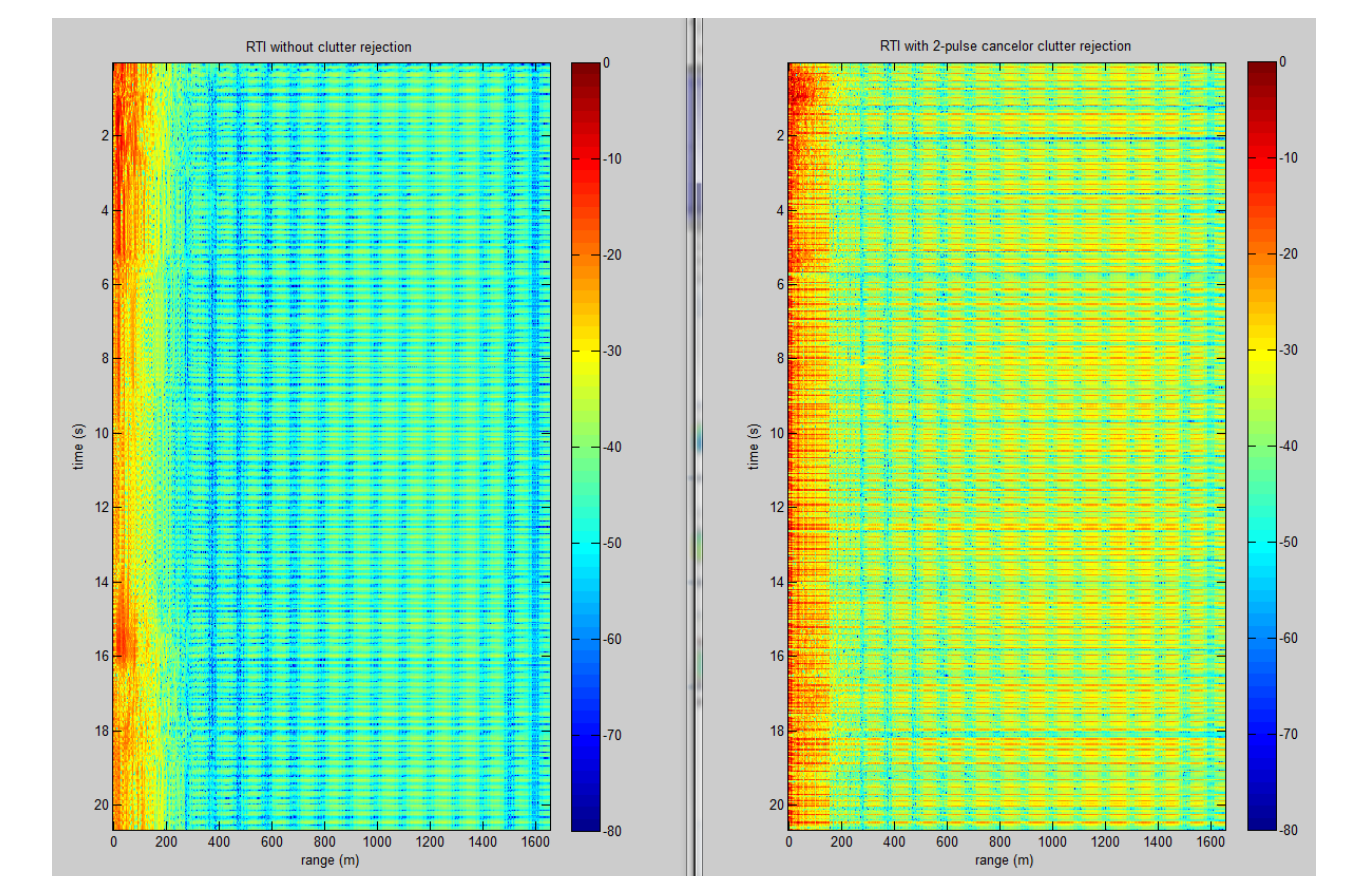
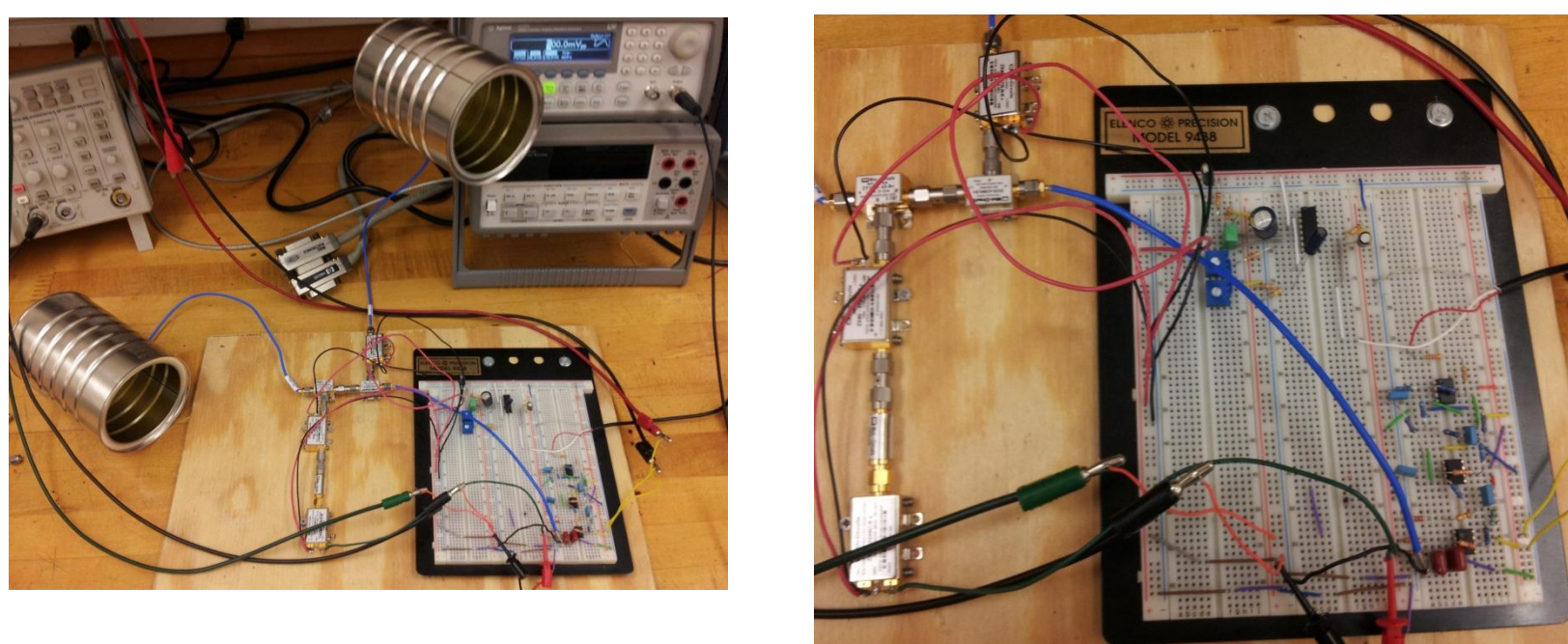
Jamming



Digital Radio Frequency Memory (DRFM)

Noise Jamming

Hardware



Increasing Clutter Residue