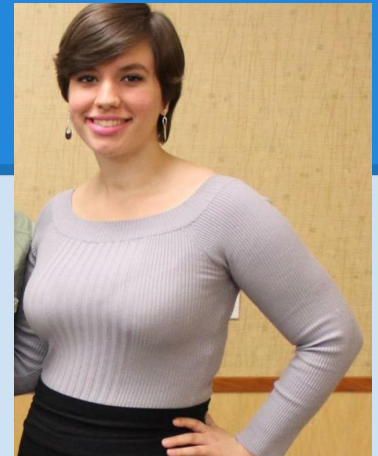


Find our project on GitHub!  
<https://github.com/ThePomelo/Spectrum-Sensing>

# SDR - Spectrum Sensing

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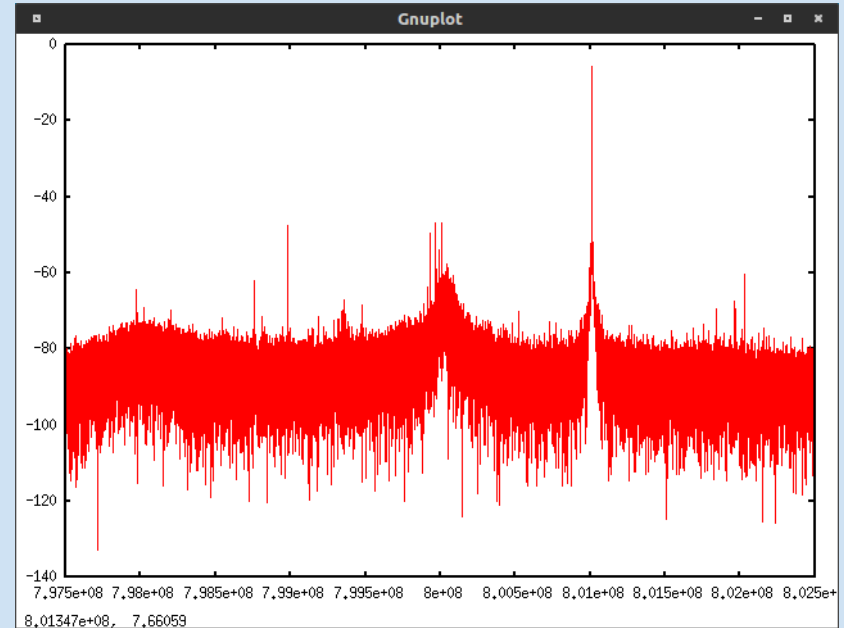


# Overview

- **Development of Real-Time Plotting Module**
- **Evaluation of Alternative Plotting Methods**

# Development of Real-Time Plotting Module

- **Stable build of module**
- **Adjusts for changes in carrier frequency and sampling rate**
- **Can run on ORBIT nodes with USRPs and Gnuplot installed**
- **15-30 second latency when plotting over ssh**



# Evaluation of Alternative Plotting Methods

- **Currently Gnuplot runs as separate process on node, must be tunnelled to client via ssh**
- **Researching use of websockets in coordination with Javascript and/or HTML5 for browser-based visualization**
  - research libwebsockets C++ library and use of OpenSSL

# Next Week

- **Look into other methods of plotting**
  - browser-based visualization
- **Optimizing module to reduce latency**
- **Start compiling final project poster**