RTL SDR to Raspberry Pi Connection and Datalogging

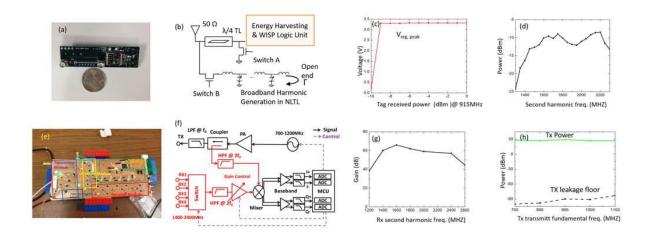
Goals

Get familiar with GNURadio. Finish the final project proposal.

Final Project Proposal Responsibilities:

- 1. Literature review for datalogging from SDR to Raspberry Pi
- datalogging from SDRs to the Pi and associated timing constraints for technical approach
- 3. detailed deliverable part for base station construct with SDRs and Raspberry Pi

Question for Dr.Kan



1.What is the maximum sample rate that the reader can receive and transmit to the host. Can SDR handle the signal transmission without package lost?2.How is the hose computer process the data received from Bluetooth.3.In what type of form the data send from reader to host PC?

Planned Course of Action

Keep working on SDR, get SDR card as soon as possible and to do data transfer test on SDR.

Resources and relevant Forum Posts

- [1] "RTL-SDR Blog silver dongle first impressions, compared to NooElec blue dongle"https://medium.com/@rxseger/rtl-sdr-blog-silver-dongle-first-impressions-compared-to-nooelec-blue-dongle-4053729ab8c7
- [2] "VIDEO TUTORIAL: INSTALLING GQRX AND RTL-SDR ON A RASPBERRY PI"https://www.rtl-sdr.com/video-tutorial-installing-ggrx-and-rtl-sdr-on-a-raspberry-pi/
- [3] "DIGITAL RADIO WITH A RASPBERRY PI" http://www.michaelcarden.net/?p=48
- [4] "Guided Tutorial GNU Radio in Python
- "https://wiki.gnuradio.org/index.php/Guided_Tutorial_GNU_Radio_in_Python
- [5] "GRCon17 Real-Time Direction Finding Using Two Antennas on an Android Phone Sam Whiting" https://www.youtube.com/watch?v=jptYYiHth8U