

Groundstation Progress Report

Date: October 25th, 2019

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Alexander Tavares:

1. Reviewed SDR, what is SDR and how is it different from hardware defined radio
2. Did not have time to prepare a presentation on SDR. Struggling to keep up with midterms and assignments.
- 3.

Sarah Coveney:

1. Link Budget Research
2. Put together link budget presentation
3. Learned about designing notch filters in Parsa's class.(Zeros and poles)

Ruhmaa Bhatti:

1. Reviewed the ground station network concept from Concordia
2. Began research on LNA and SNR equations for Friday's presentation, created reference list for future.
3. After feedback, shifted research towards linearity/non-linearity on high power amplifiers, need to add references to list.

Zoe Fox:

1. Researched off the shelf filters
2. Learnt about designing notch filters using poles and zeros
3. MATLAB code for different filters