

Radio Frequency Propagation Validation
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Status Update 6

This week was a bit slower than in the past due to time constraints and personal problems. However, I was able to update the acquired SPLAT! data's ERP to reflect more accurately Kirk's data. However, this proves to be ineffective because kirk's data is uncalibrated therefore it cannot be compared to SPLAT! data. The work around here is to compare the regression line slopes for each data set. Not only that but in SPLAT! data I can see if we see similar trends to that of radio propagation in certain terrain situations as can be seen in Kirk's data.

I was also able to work with Kirk this past Saturday to acquire a new data set using a different frequency band. We were able to gather this data however it did take a while as we were running into problems early on. I was also able to make a reservation for the 3500 and 3700 MHz frequencies so that I may gather more data points to compare with SPLAT!.