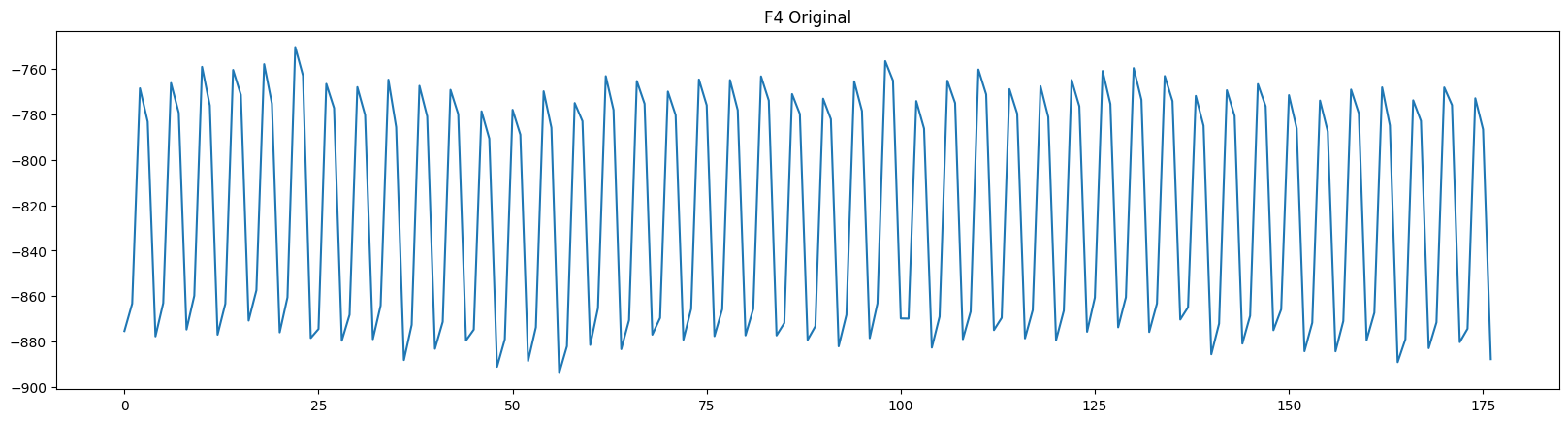
CMPS 451 PA2.2 Project Report

Team: DK Crew

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Looking at the graph of the original channels, there is a visible—albeit subtle—pattern as more time goes on. The issue is that these patterns are not very easy to see. Therefore, we applied the Notch filter of [60, 120, 180, 240], the Impedance filter of 125±1, and a Band-pass filter of [0.5, 32]. After applying the filters—the graphs can be seen below—we noticed that it allowed us to more clearly see the trend in the data for each stream. If you look closely, you can see that the trends shown in the filtered data are indeed present in the original data.

A graph with blue lines

Description automatically generated