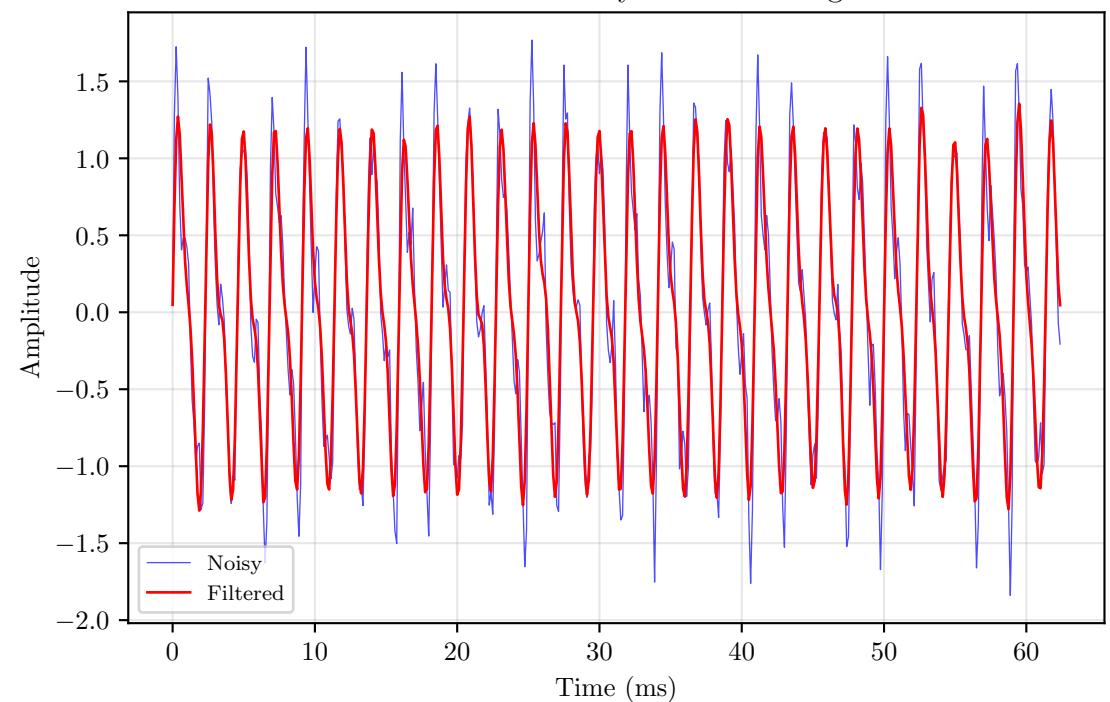
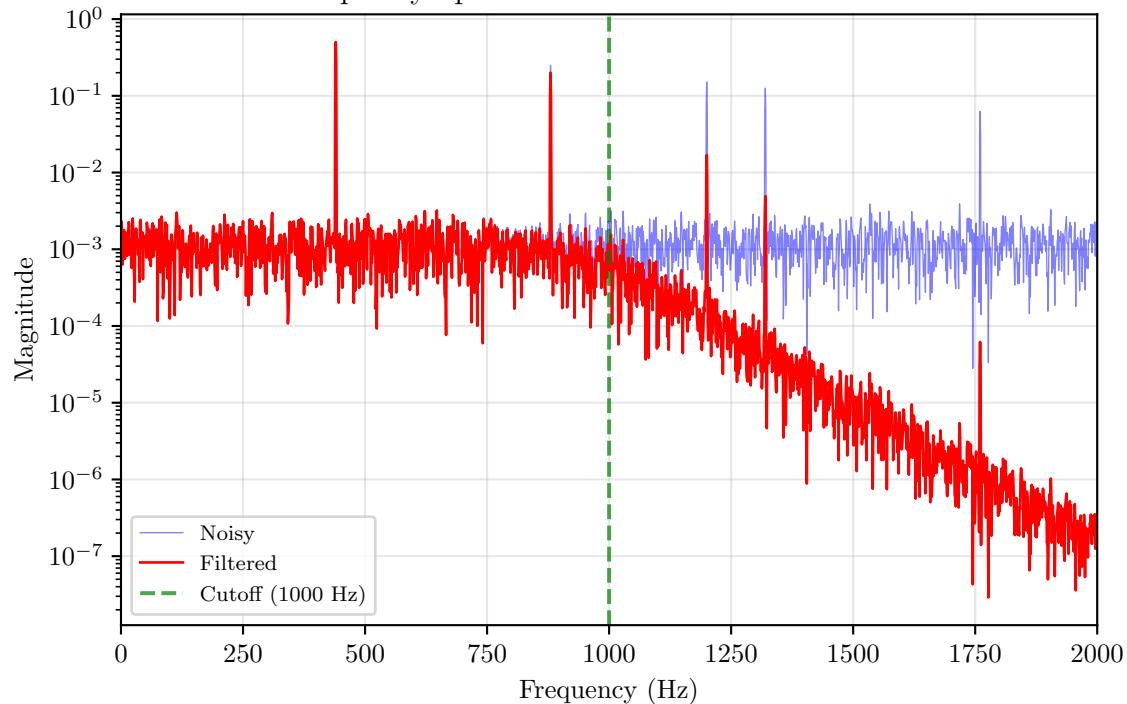


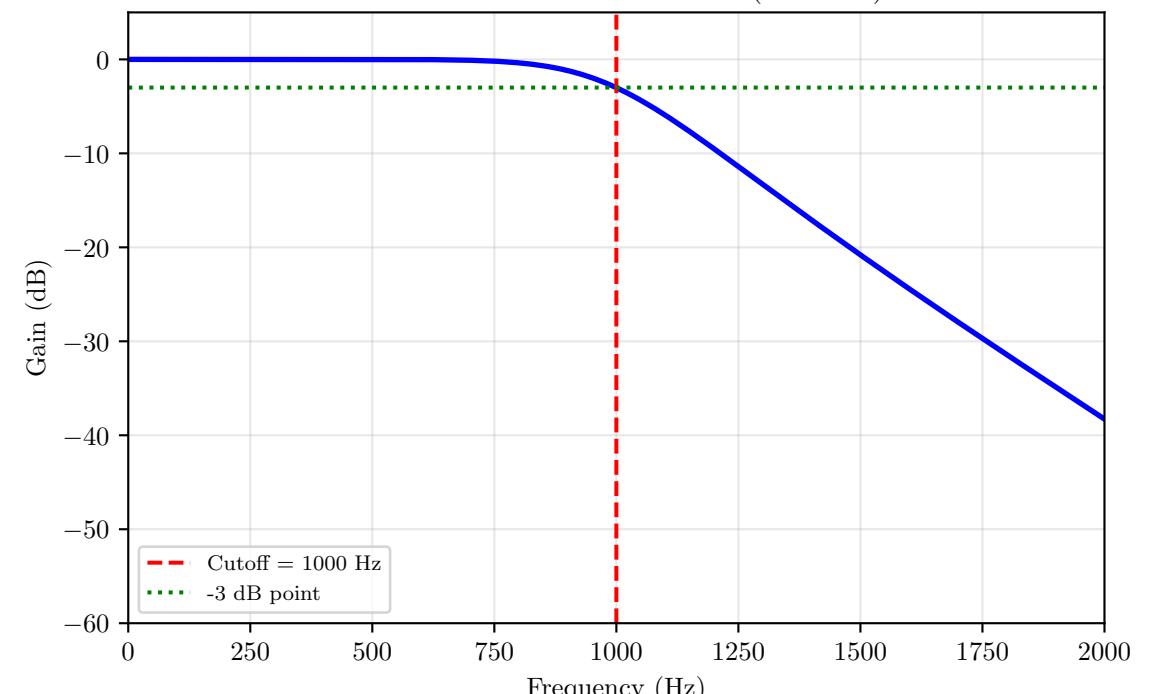
Time Domain: Noisy vs Filtered Signal



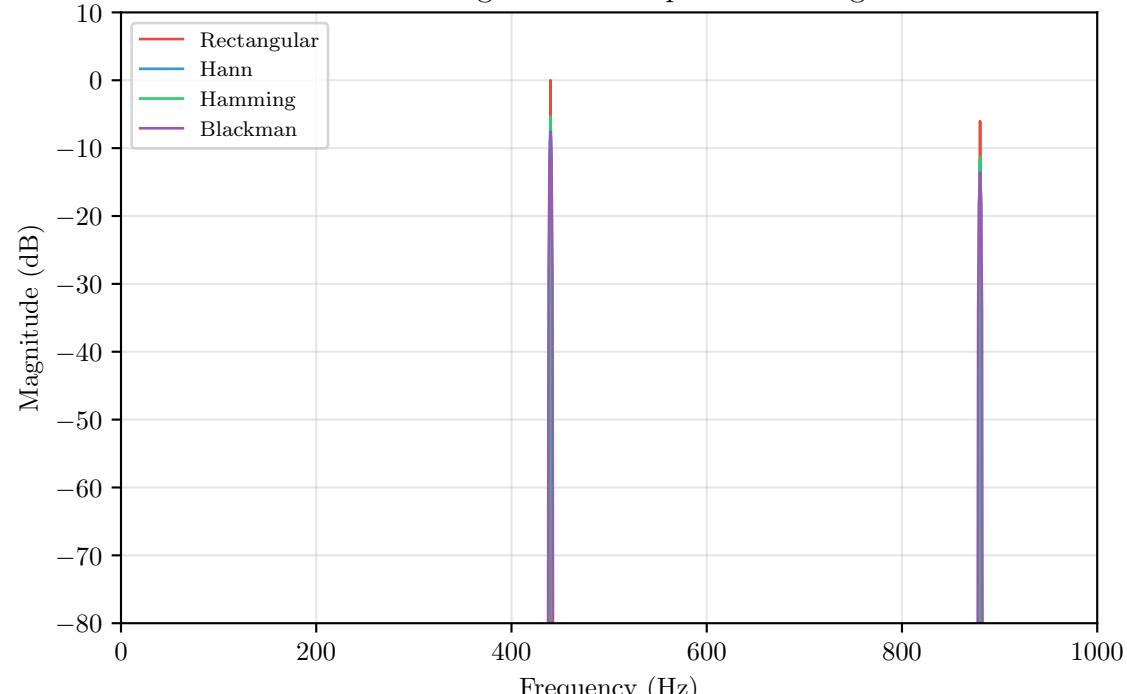
Frequency Spectrum: Effect of Low-Pass Filter



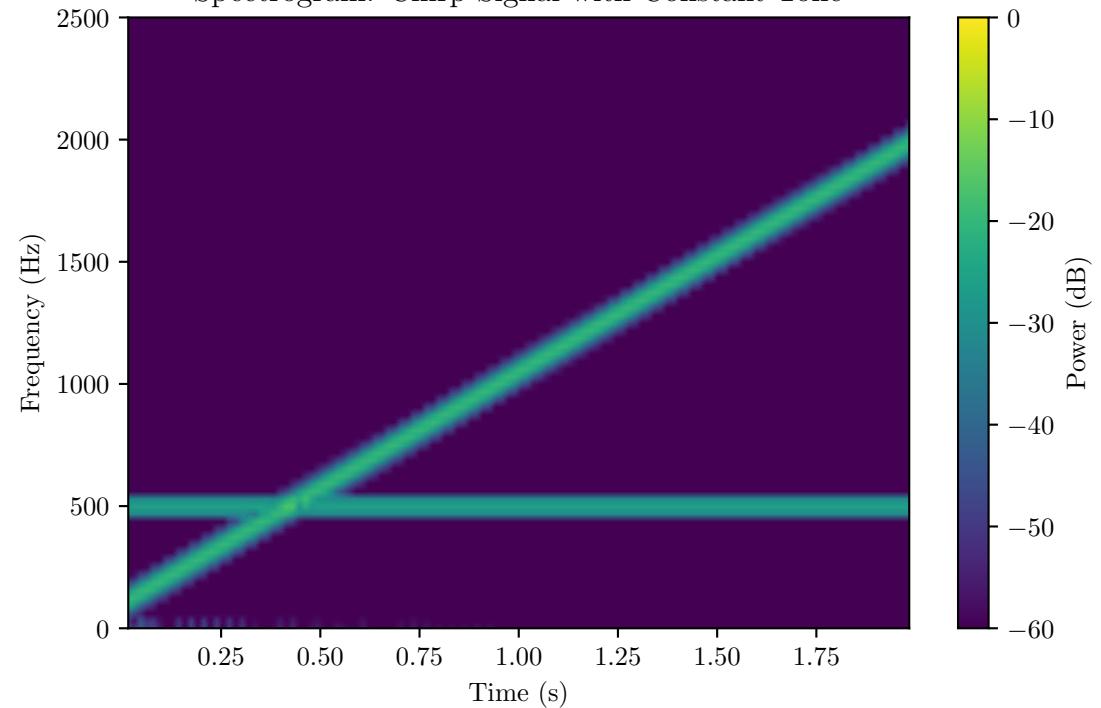
Butterworth Low-Pass Filter (order=5)



Windowing Effects on Spectral Leakage



Spectrogram: Chirp Signal with Constant Tone



Harmonic Analysis (Fundamental = 440 Hz)

