

Fig. 1. Mean output SNR vs input SNR for the simulations where the 50 Hz interference contained a 30° phase change over 0.2 s, starting at $t = 3$ s. \circ $Q = 50$ notch filter, \square $Q = 25$ notch filter, \diamond Regression-Subtraction, ∇ Spectrum Interpolation with $w = 128$, Δ Spectrum Interpolation with $w = 2048$.

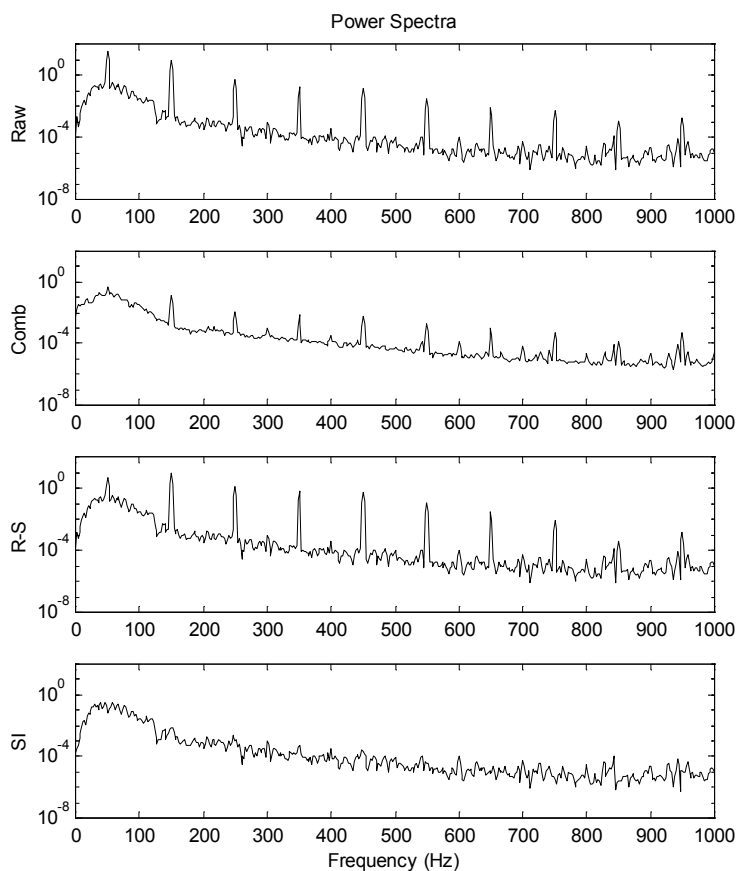


Fig. 2. *Raw*: Power spectrum of 1 s of a recorded EMG signal, showing high levels of power line interference. *Comb*: Spectrum after processing with a linear comb filter (1 Hz-wide notches). *R-S*: Spectrum after processing with Regression-Subtraction method. *SI*: Spectrum after processing with Spectrum Interpolation method, using a 1024-point Hanning window. All spectra calculated via Welch's averaged modified periodogram method using a 1000-point Hanning window with 50% overlap.