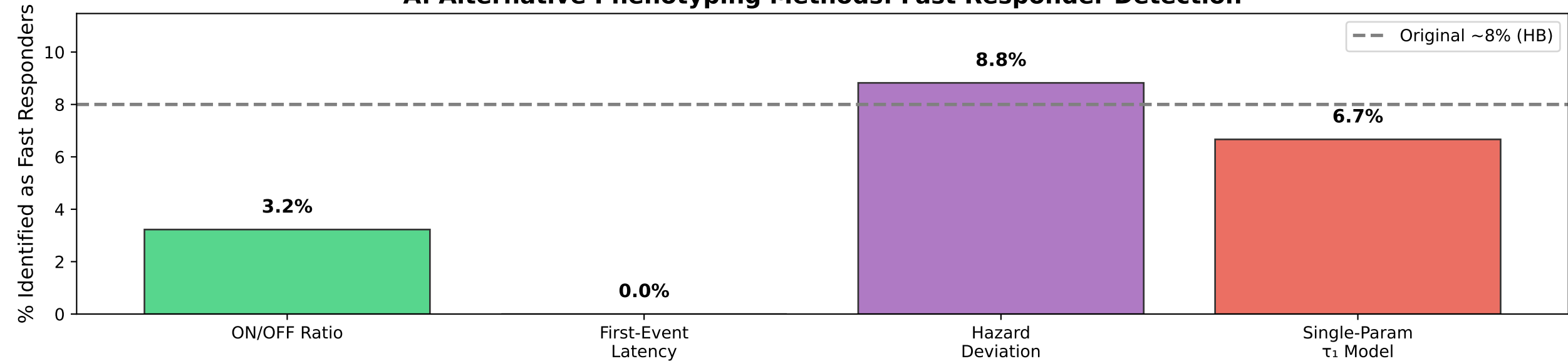
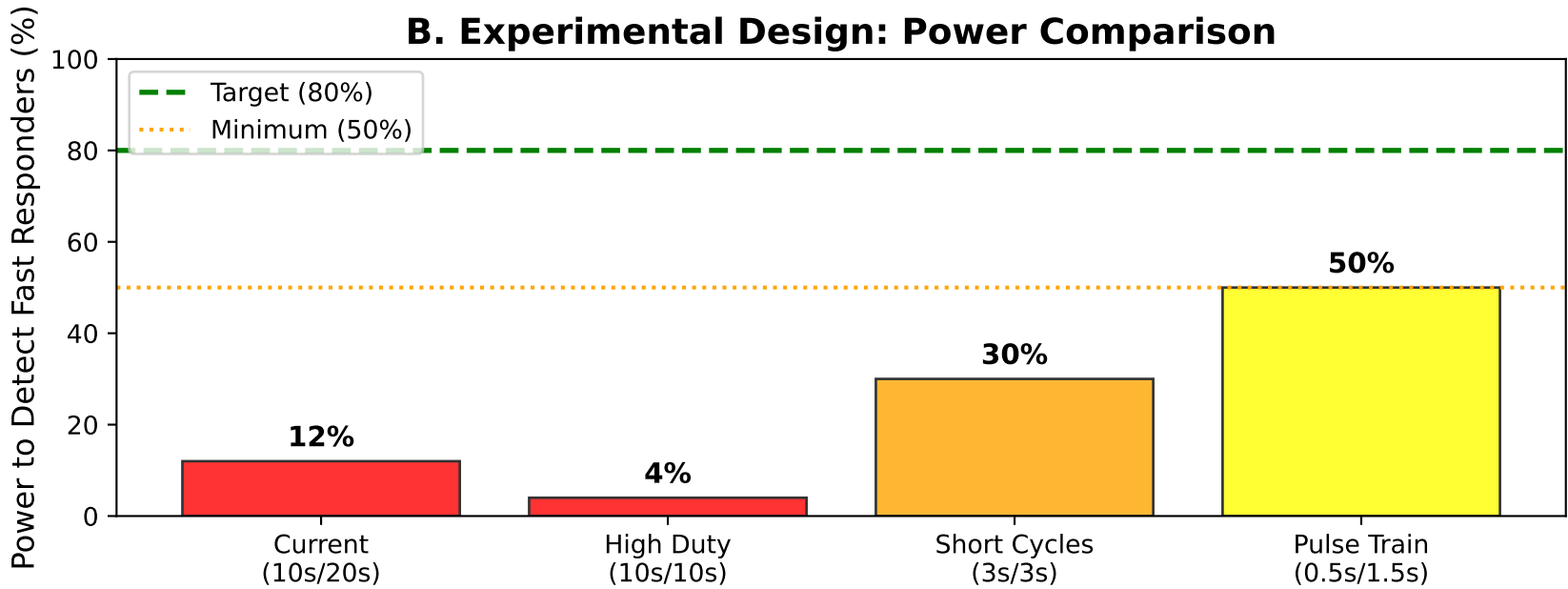


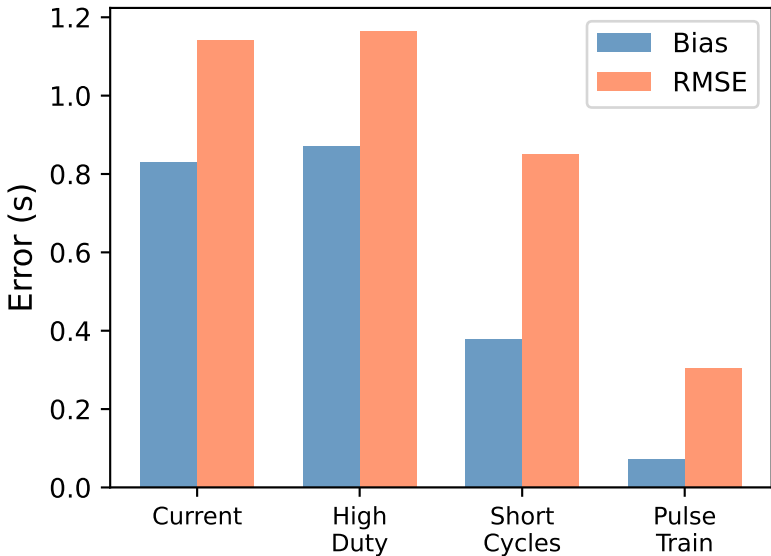
A. Alternative Phenotyping Methods: Fast Responder Detection



B. Experimental Design: Power Comparison



C. τ_1 Estimation Error



D. Summary of Findings

Analysis	Key Finding	Implication
ON/OFF Ratio	Mean ratio = 1.33 (>1)	Events MORE frequent during LED-ON
First-Event Latency	Median = 4.7s	Mid-window latency, no clear outliers
Hazard Deviation	8.8% early responders	Timing shift identifies fast responders
Single-Param τ_1	6.7% fast, 23.3% slow	Significant with simplified model
Design: Pulse Train	Power = 50%, RMSE = 0.31s	Recommended for future experiments