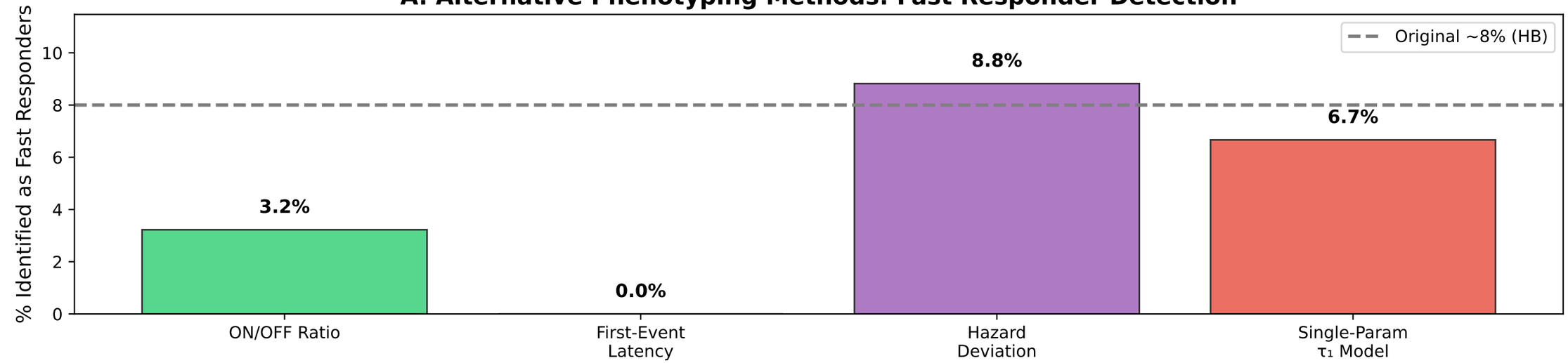


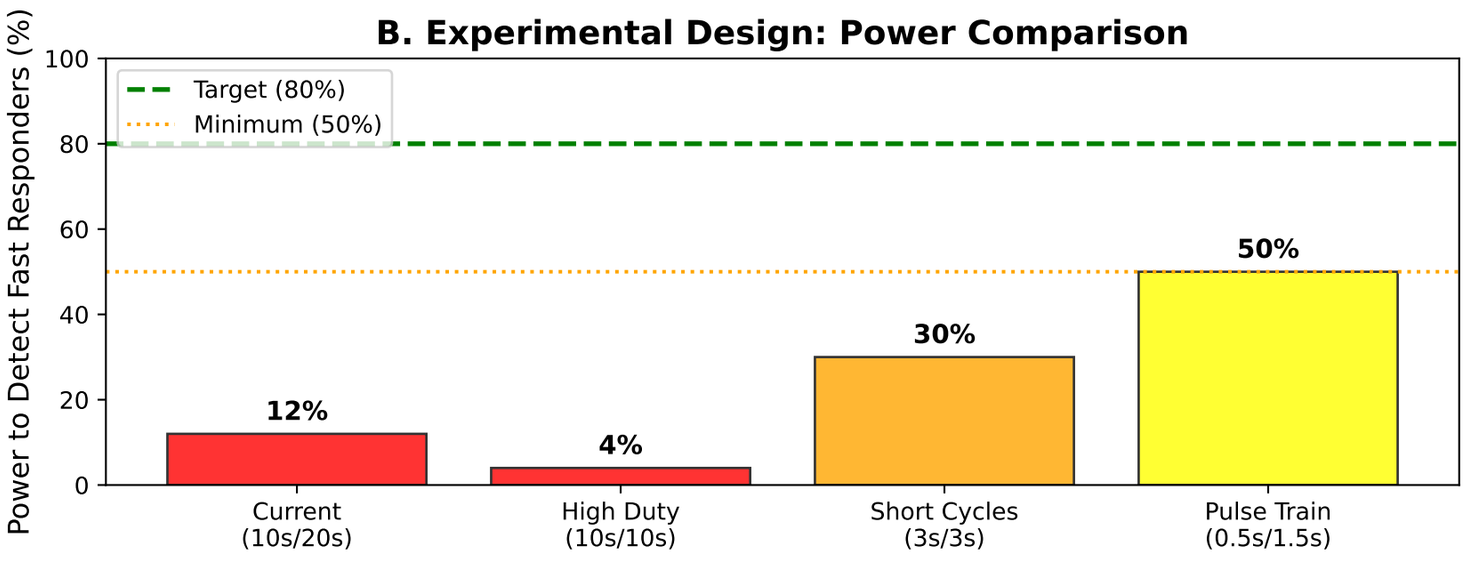


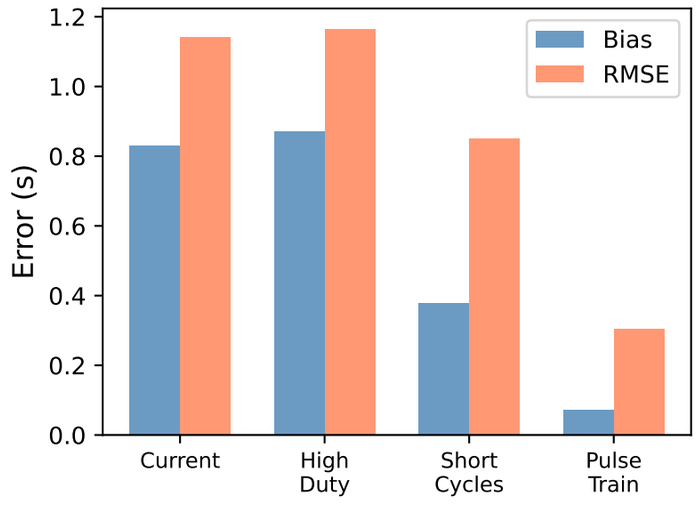


## D. Summary of Findings

| 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 $\tau_1$ | 6.7% fast, 23.3% slow | Significant with simplified model |
| Design: Pulse Train | Power = 50%, RMSE = 0.31s | Recommended for future experiments |