Testing Log

**February 4, 2019:**

Procedure: Tested values using breadboarded circuit. Mathematically determined best configuration as 330 Ω resistance and 100 µF capacitance with 10 kΩ potentiometer and then demonstrated on breadboard.

Observations: Duty cycle of roughly 50 %, minimum frequency of around 1 Hz. Maximum frequency is nearly indistinguishable from continuous light. Cycle could be fine-tuned but roughly matches specifications.

February 28, 2019:

Procedure: PCB was populated with components based on values above. Header pins, surface-mount and through-pin components were soldered onto the board.

Observations: LED behaves as expected when powered by 9 V battery. Only possible issue noted was the brightness of the LED, which may have to be fine-tuned.