**Test Objective/Description:** Hardware Subsystem

**Location:** RECUV VICON Space

**Date:**

**Hardware Needed:** Quadcopter, timer, all flight hardware.

**Procedure:**

Make sure that quadcopter is assembled and flight ready.

Make sure battery is fully charged.

Make sure all hardware components (sensors, computers) are turned on and functional.

All hardware needs to be running during the test to simulate the power draw of a mission.

Clear the VICON cage.

Start timer and start flight.

Fly quadcopter in search pattern to simulate mission.

Fly for 10 minutes.

Safely land quadcopter and turn off hardware.

Record battery voltage.

**Requirements Met**

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| --- | --- |
| **5.1** |  |
| **8.1** |  |
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**Test Anomalies**

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**Test Results:**

Successfully flew autonomously after integrating with Controls Subsystem.

Basic trajectories and nonzero yaw pointing was achieved.