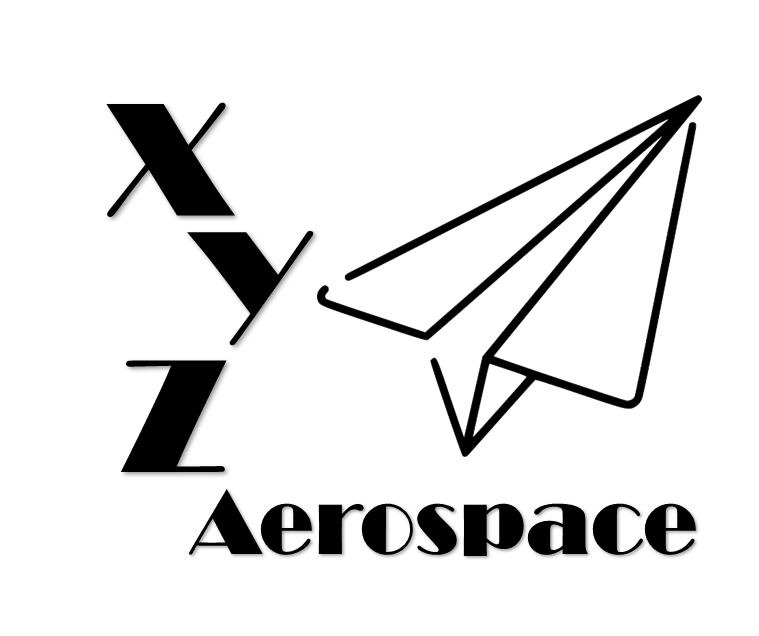


Legacy Flight Performance Testing

30 July 2019

Version 1.5



645 Colonel Glenn Blvd

Dayton, Ohio

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1. Introduction
2. Flight Performance
   1. Test 1
      1. Maximum Airspeed

Passes

* + 1. Maximum Altitude

Passes at MSL, not AGL… Make them do the calculations

* + 1. Time to Climb

Passes

* + 1. Mass Properties
  1. Test 2
     1. Endurance

Passes, but has extended battery option

* + 1. Mass Properties
  1. Test 3
     1. Pitch/Roll/Yaw

Passes

* + 1. Speed (vertical, lateral)

Passes

1. Control Communications
   1. Test 1
      1. Control Link Operational Range

Passes

* + 1. Lost Link Detection

Passes

* + 1. Lost Link Behavior

Hovers

1. Navigation
   1. Test 1
      1. Stationary Error

Fails

* + 1. Moving Error

Fails