Subsystem/ Function/ Feature Name:__Cubesat Dimension Requirements___
Date Completed: __05/03/16

Performed By: __Darin Berrigan___
Tested By: __Darin Berrigan___

Concluded Condition of meeting Engineering Specification	O- Meets Marginal Value

I. TESTING SPECIFICATION

Specification Number	Importance	Source	Function	Specification (Metric)	Unit of Measure	Marginal Value	Ideal Value	Comments/Status
E1	9	ER Doc	Chassis	Length	cm	10 ± 0.2	10	
E2	9	ER Doc	Chassis	Width	cm	10 ± 0.2	10	
E3	9	ER Doc	Chassis	Height	cm	10 ± 0.2	10	

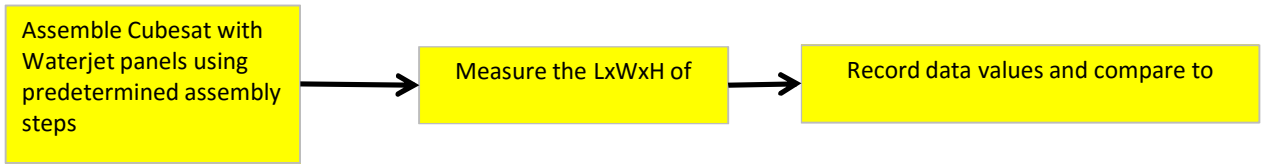
II. EQUIPMENT REQURIED

Specification Number	Equipment or Instrumentation required
E1,2,3	Fully Assembled Aluminum Chassis

III. DATA COLLECTION STRATEGY

Specification Number	Data acquisition strategy
E1,2,3	The goal of this test/requirement check is to determine whether our final cubesat assembly conforms to dimensional standards for a cube satelitte. The device must conform to a 10x10x10 centimeter cube. These dimensions, LWH, are the three engineering requirements.

III. TESTING FLOWCHART



IV. RAW DATA ACQUISITION

For Volume Sensitivity Data See Tab: VOL. SENSITIVITY DATA

V. RESULTS

Our final CubeSat chassis conforms with the designs taken from Pumpkin, Inc. The side panels of the cube satelite do not exceed the required dimension of 10cm

VI. CONCLUSION

Given that our cubesat matches the required dimensions we are capable of continuing with the payload design. It demonstrated our ability to manufacture hardware within tight dimensional contraints with the correct materials.