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| Team #: | P16104 | Team Name: | Microfluidic Spectroscopy in CubeSats |
| Date: | 5/9/2016 15:34 | Document Owner: | Mallory Rauch |
| Revision #: | 1 | | |

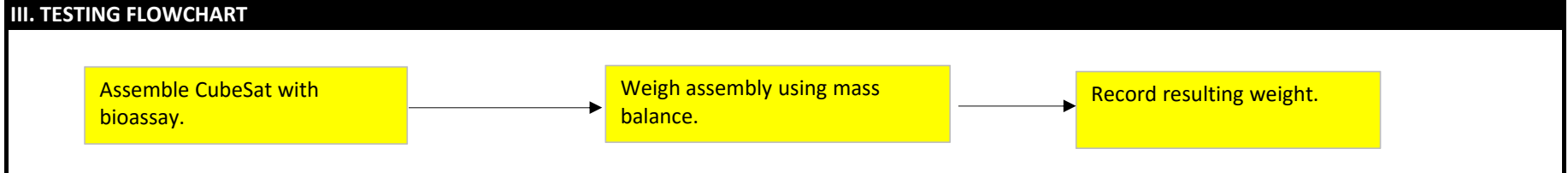
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|------------------------------------|--|
| Subsystem/ Function/ Feature Name: | Weight Limit |
| Date of Test: | 4/13/2015 |
| Performed By: | __Andrea Mazzocchi, August Allen, Matthew Glazer, James Lewis, Darin Berrigan, Mallory Rauch__ |

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| Concluded Condition of meeting Engineering Specification | PASS |
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| I. TESTING SPECIFICATION | | | | | | | | |
|---------------------------------|------------|--------|------------------|------------------------|-----------------|-----------|-----------|---------------|
| Specification Number | Importance | Source | Function | Specification (Metric) | Unit of Measure | Max Value | Min Value | Comments/Stat |
| ER 4 | 9 | PRP | CubeSat Standard | Weight | kg | 3.66 | 0 | |

| II. EQUIPMENT REQUIRED | |
|-------------------------------|---|
| Specification Number | Equipment or Instrumentation required |
| ER 4 | mass balance, CubeSat chassis with bioassay |

| III. DATA COLLECTION STRATEGY | |
|--------------------------------------|--|
| Specification Number | Data acquisition strategy |
| ER 4 | The purpose of this test is to ensure that the project stays within the CubeSat weight standard. |



| IV. RAW DATA ACQUISITION |
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0.37 kg

| V. RESULTS |
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| The assembly only weight 0.37 kg, which is well below the maximum. |

| VI. CONCLUSIONS |
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| The assembly was well within the weight limits, thus this requirement was fulfilled. |