Team #:	P16104	Team Name:	Microfluidic Spectroscopy in CubeSats
Date:	5/8/2016 16:54	Document Owner:	James Lewis
Revision #:	1		

Subsystem/ Function/ Feature Name: Max Assay Voltage

Date of Test:

erformed By __James Lewis and Matthew Glazer__

Concluded Condition of meeting Engineering Specification: **PASS**

I. TESTING SPECIFICATION

Specification Number	Importance	Source	Function	Specification (Metric)	Unit of Measu	Max Value	Min Value	Comments/Status
ER 12	9	PRP	System	Voltage	V	5.05	4.95	

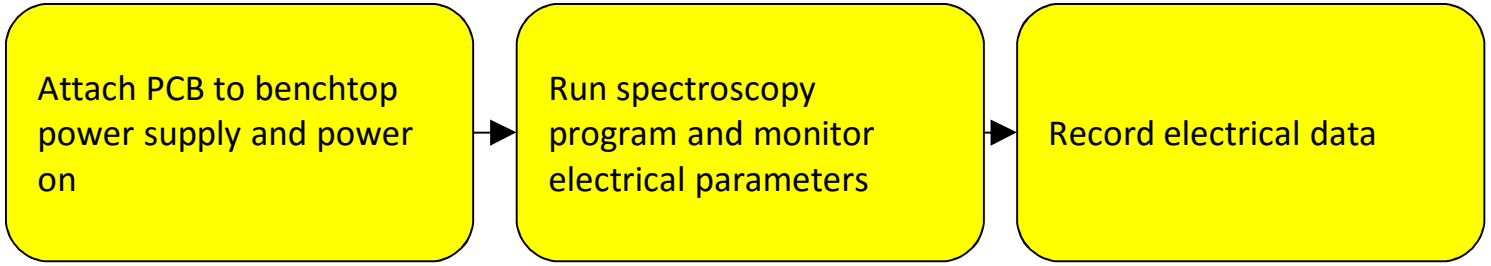
II. EQUIPMENT REQURIED

Specification Number	Equipment or Instrumentation required
ER 12	Benchtop power supply, photodiode w/ complimentary circuitry, custom fixture, laptop

III. DATA COLLECTION STRATEGY

Specification Number	Data acquisition strategy
ER 12	The goal of this test is to gauge the electrical parameters of the project. These parameters include the current, voltage, and power consumption

III. TESTING FLOWCHART



IV. RAW DATA ACQUISITION

	LED OFF	LED ON
Voltage	**5V**	**5V**

V. RESULTS

The voltage maintained a constant value of 5V

VI. CONCLUS

The system was required to operate successfully on a voltage level of 5V. This test passed since the project was able to operate