Team #:	P16104	Team Name:	Microfluidic Spectroscopy in CubeSats
Date:	5/8/2016 16:57	Document Owner:	James Lewis
Revision #:	1		

Subsystem/ Function/ Feature Name: Computer Chip Storage

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 14	9	PRP	System	Storage	kB	512	128	

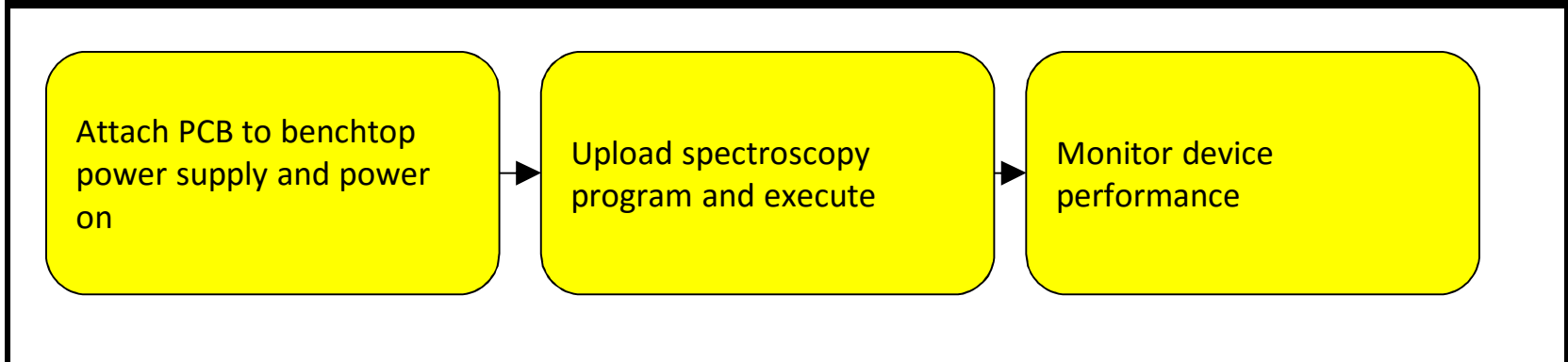## II. EQUIPMENT REQURIED

Specification Number	Equipment or Instrumentation required
ER 14	Benchtop power supply, photodiode w/ complimentary circuitry, custom fixture, laptop

III. DATA COLLECTION STRATEGY

Specification Number	Data acquisition strategy
ER 14	This test is designed to gauge if the microcontroller can operate using its given memory storage

III. TESTING FLOWCHART

Attach PCB to benchtop power supply and power on ▶ Upload spectroscopy program and execute ▶ Monitor device performance

IV. RAW DATA ACQUISITION

V. RESULTS

The microcontroller was able to hold and execute the program given its 128 kB of memory

VI. CONCLUS

The test was successful since there were no memory issues present in the microcontroller.