RC 360 Detector Power Button Test Cases

Test Writer: Matt Whiteside, T08						

Test Case:	Servo control	**Test ID:**	RC360-t1
Description/Objective:	This test verifies that the button enables/disables the motor, but leaves the LED and distance sensing active.	**Type:**	White box

Tester Information

Name of Tester:	Homer	**Date:**	
Hardware Ver:	1.0	**Time:**	
Setup:	the circuit board, assembled up to the point where the motor control and LED control signals are working;		
Resources:	digital multimeter; oscilliscope		

Step	Action	Expected Result	Pass	Fail	N/A	Comments
1	power-up	System motor is off, sensor/LEDs are active				
2	first button press	motor should start spinning, i.e., active state				
3	second button press	system should return to 'INIT' state				
4	3rd button press	system should return to active state				
Overall Test Result:						

References

1) button state machine documentation: https://github.com/RC360Detector/RC360Detector/blob/master/system-modeling/state-diagram.pdf

Test Version: 1.1
Date of this version: 12/9/2015
Page: 1 of 1