

Table 1 – vLCD_ON_OFF_CURSOR_ON_BLINK Test Plan

Test Writer:		Steven Zehner				
Test Case Name:		LCD On/Off	Test ID #:			On/Off Test 1
Description:		Verify operation of the vLCD_ON_OFF with the cursor on and set to blink.	Type:			White Box
					X	Black Box
Tester Information						
Name of Tester:			Date:			
Hardware Ver:		1.0	Time:			
Setup:	Set configCURSOR_SHOW and configCURSOR_BLINK to 1. Connect STK600 Port_K_ to the LCD board input pins. Connect and Ammeter between the supply and supply input of the LCD display. A task is created that initializes the display and puts text on both lines. The final operation of the task calls the vLCD_ON_OFF() function, delays 5 seconds, then calls it again.					
Test	(Test Variable)	Expected Result	Pass	Fail	N/A	Comments
1	Display Turns off	Display does not show any data and is in a low power state	X			
2	Display Power	Display shows less current draw when off rather than on	X			Current draw dropped below the 1.5mA nominal current draw
3	Display Turns on	Display turns on and all data remains as it was when it turned off	X			
4	Cursor	Cursor is showing and blinking	X			
5	Run time	Display turning on and off takes 39us for each operation	X			Timed at 41us
Overall Test Result:			X			Function works as expected and passed all tests