Table 1 – vLCD\_ON\_OFF\_CURSOR\_ON\_BLINK Test Plan

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| **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 |  |  |  |  |
| 2 | Display Power | Display shows less current draw when off rather than on |  |  |  |  |
| 3 | Display Turns on | Display turns on and all data remains as it was when it turned off |  |  |  |  |
| 4 | Cursor | Cursor is showing and blinking |  |  |  |  |
| 5 | Run time | Display turning on and off takes 39us for each operation |  |  |  |  |
| **Overall Test Result:** | |  |  |  |  |  |