Table 1 – Driver Test Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test Writer:** | |  |  |  |  |  |
| **Test Case Name:** | | LCD Driver Test | **Test ID #:** |  |  | Driver Test |
| **Description:** | | Verify operation of a driver created to directly output data to an LCD | **Type:** | |  | White Box |
| **X** | Black Box |
| **Tester Information** | |  |  |  |  |  |
| **Name of Tester:** | |  | Date: |  |  |  |
| **Hardware Ver:** | | 1.0 | Time: |  |  |  |
| **Setup:** |  | Connect STK600 Port\_X\_ to the LCD board input pins | | | | |
| **Test** | **(Test Variable)** | **Expected Result** | **Pass** | **Fail** | **N/A** | **Comments** |
| 1 | System On | System Powers on |  |  |  |  |
| 2 | Initialization | LCD Initializes |  |  |  |  |
| 3 | LCD Write | Command written to LCD is performed |  |  |  |  |
| 4 | LCD Write String | Writes string starting at Cursor position |  |  |  |  |
| 5 | LCD Clear Display | Clears All text on LCD |  |  |  |  |
| 6 | LCD Clear Top Row | Clears top row on LCD |  |  |  |  |
| 7 | LCD Clear Bottom Row | Clears bottom row on LCD |  |  |  |  |
| 8 | LCD Home Top | Sets cursor to first pos. on top row |  |  |  |  |
| 9 | LCD Home Bottom | Sets cursor to first  Pos. on bottom row |  |  |  |  |
| 10 | LCD GoTo Position | Sets cursor to input position |  |  |  |  |
| 11 | LCD Get Top Length | Returns length of strings on top row |  |  |  |  |
| 12 | LCD Get Bottom Length | Returns Length of string on bottom row |  |  |  |  |
| 13 | String Length | Returns length of string passed in |  |  |  |  |
| 14 | LCD On/Off | Turns LCD on/off |  |  |  |  |
| **Overall Test Result:** | |  |  |  |  |  |