Table 1 – Driver Test Plan

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| --- | --- | --- | --- | --- | --- | --- |
| **Test Writer:** | | Boyd Dilley |  |  |  |  |
| **Test Case Name:** | | LCD Print String Test | **Test ID #:** |  |  | Driver Test |
| **Description:** | | Verify operation of Print String function with LCD display | **Type:** | |  | White Box |
| **X** | Black Box |
| **Tester Information** | |  |  |  |  |  |
| **Name of Tester:** | |  | Date: |  |  |  |
| **Hardware Ver:** | | 1.0 | Time: |  |  |  |
| **Setup:** |  | Connect STK600 Port\_K\_ to the LCD board input pins | | | | |
| **Test** | **(Test Variable)** | **Expected Result** | **Pass** | **Fail** | **N/A** | **Comments** |
| 1 | Top line  Print “Hello” | Logic should be:  0x48; 0x65; 0x6C; 0x6C; 0x6F |  |  |  |  |
| 2 | Text Wrap Enabled  Print “ABCDEFGHIJKLMNOPQRSTUVWXYZ” | Logic should be:  0x41-0x58; then a line change; then 0x59 and 0x5A. |  |  |  |  |
| 3 | Text Wrap Disabled  Print “ABCDEFGHIJKLMNOPQRSTUVWXYZ” | Logic should be:  0x48-0x5A |  |  |  |  |
| 4 | Bottom line  Print “hello” | Logic should be:  Line change; then 0x48; 0x65; 0x6C; 0x6C; 0x6F |  |  |  |  |
| 5 | Top line  Print “Hello”  Bottom line  Print “world” | Logic Should be:  0x48; 0x65; 0x6C; 0x6C; 0x6F. Then a line change; then 0x77; 0x6F; 0x72; 0x6C; 0x64. |  |  |  |  |
| 6 | Print “A”  Test time | Should take \_\_\_ to print a single character. |  |  |  |  |
| **Overall Test Result:** | |  |  |  |  |  |