| Test Writer:              |   | Steven Zehner                                   |            |      |     |                  |
|---------------------------|---|---|------------|------|-----|------------------|
| Test Case Name:           |   | LCD Clear Top                                   | Test ID #: |      |     | Clear Top Test 1 |
| <b>Description:</b>       |   | Verify operation of the                         | Type:      |      |     | White Box        |
|                           |   | vLCD_CLEAR_TOP function                         |            |      | X   | Black Box        |
| <b>Tester Information</b> |   |   |            |      |     |                  |
| Name of Tester:           |   |   | Date:      |      |     |                  |
| Hardware Ver:             |   | 1.0   | Time :     |      |     |                  |
| Setup:                    | Connect STK600 Port_K_ to the LCD board input pins. A task is created that initializes the display and puts text on both lines. The final operation of the task is the vLCD_CLEAR_TOP() function. |   |            |      |     |                  |
| Test                      | (Test<br>Variable)  | <b>Expected Result</b>                          | Pass       | Fail | N/A | Comments         |
| 1                         | Clear Top   | Top row of display is cleared of text           |            |      |     |                  |
| 2                         | Bottom Text<br>Remains  | The bottom row's text remains as-is             |            |      |     |                  |
| 3                         | Returns to<br>Top's Home  | Cursor returns to first position on the top row |            |      |     |                  |
| 4                         | Run time  | Top row clears 5.03ms after function is called. |            |      |     |                  |
| Overall Test Result:      |   |   |            |      |     |                  |