

Test Procedure for the NV890130PDR2GEVB Evaluation Board



Required Equipment:

- 2 x DC voltage source
- 1 x DC electronic load
- 2 x Multimeters

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Test Procedure:

- 1. Connect the test setup as shown above.
- 2. Make sure the load is not enabled.
- 3. Apply an enable voltage V_{EN}=0V. Apply an input voltage, V_{IN} = 13.2 V. V_{OUT} should be 0V.
- 4. Apply an enable voltage V_{EN}=3V. Verify that the output voltage is 3.3 V +/-0.15 V.
- 5. Set up the load to 1.2A and enable it. Verify that the output voltage is still 3.3 V +/- 0.15 V.
- 6. Change the input voltage to 36 V. Verify that the output voltage is 0 V.
- 7. Change the input voltage to 6 V. Verify that the output voltage is 3.3 V +/-0.15 V.
- 8. Change the input voltage to 3.9 V. Verify that the output voltage is 0 V.
- 9. Change the input voltage to 6 V. Verify that the output voltage is 3.3 V +/-0.15 V.
- 10. Apply an enable voltage V_{EN} =0V. V_{OUT} should be 0V.
- 11. Turn off the DC sources.