# Test Procedure for the NCP1249AD65GEVB Evaluation Board

**Required Equipment:**
Current limited AC Power Supply (e.g. AGILENT 6811B) …… 1pc
DC Volt-Meter able to measure up to 60 V DC (e.g. KEITHLEY 2000) …… 1pc
DC Amp-Meter able to measure up to 5 A DC (e.g. FLUKE 89 IV)…… 1pc
DC Electronic Load (e.g. AGILENT 6060B) ……... 1pc


**Figure 1: Test Setup**

The following steps describe the test procedure for all these boards:

**Test Procedure:**

1. Connect the test setup as shown in Figure 1.
2. Apply an input voltage, VIN = 85 Vac
3. Apply IOUT(load) = 100 mA
4. Check that VOUT = 19 Vdc
5. Set IOUT to 3.5 A
6. Check that VOUT = 19 Vdc
7. Disconnect DC load
8. Check if VOUT slowly decreases down to 2.8 V and then quickly rises to 19 V
9. Turn off VIN
10. End of the test

Be careful when manipulating the boards in operation, lethal voltages up to 425V are present on the primary side. An isolation transformer is also recommended for safer manipulations.