



## Test Procedure for the NCP4354AADAPGEVB Evaluation Board



**Figure 1: Test Setup**

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

### 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

### Test Procedure:

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