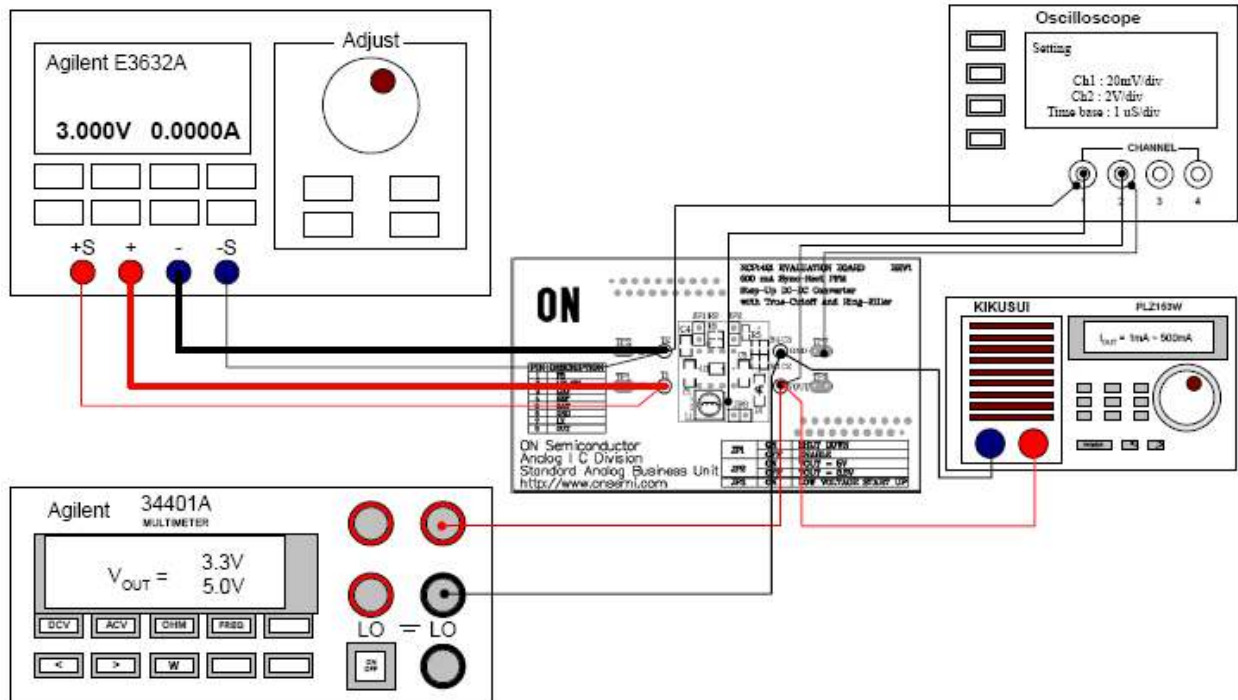




## Test Procedure for the NCP1422GEVB Evaluation Board



1. Connect the test setup as shown above.
2. **TURN OFF the JP**; (enable the device).
3. Set the Power Supply to 3.0V and apply to TP1, TP2, (T1, T2).
4. Apply 500mA loading form the electric load.
5. Check the input current ( $I_{IN}$ ), output voltage ( $V_{OUT}$ ) and output ripple;
  - For  $V_{OUT} = 3.3V$ ; **JP2 OFF**  
 $I_{IN} = 590.7mA \sim 608.7mA$   
 $V_{OUT} = 3.267 \sim 3.367V$   
 $V_{RIPPLE} \leq 35mV$
  - For  $V_{OUT} = 5V$ ; **JP2 ON**  
 $I_{IN} = 931.07mA \sim 957.4mA$   
 $V_{OUT} = 4.859 \sim 5.0075V$   
 $V_{RIPPLE} \leq 40mV$
6. Check the switching waveform at scope CH1 to see whether it is a normal continuous conduction mode switching node waveform and switching ON time ( $T_{ON}$ ) is between  $0.46 \mu s \sim 1.15 \mu s$