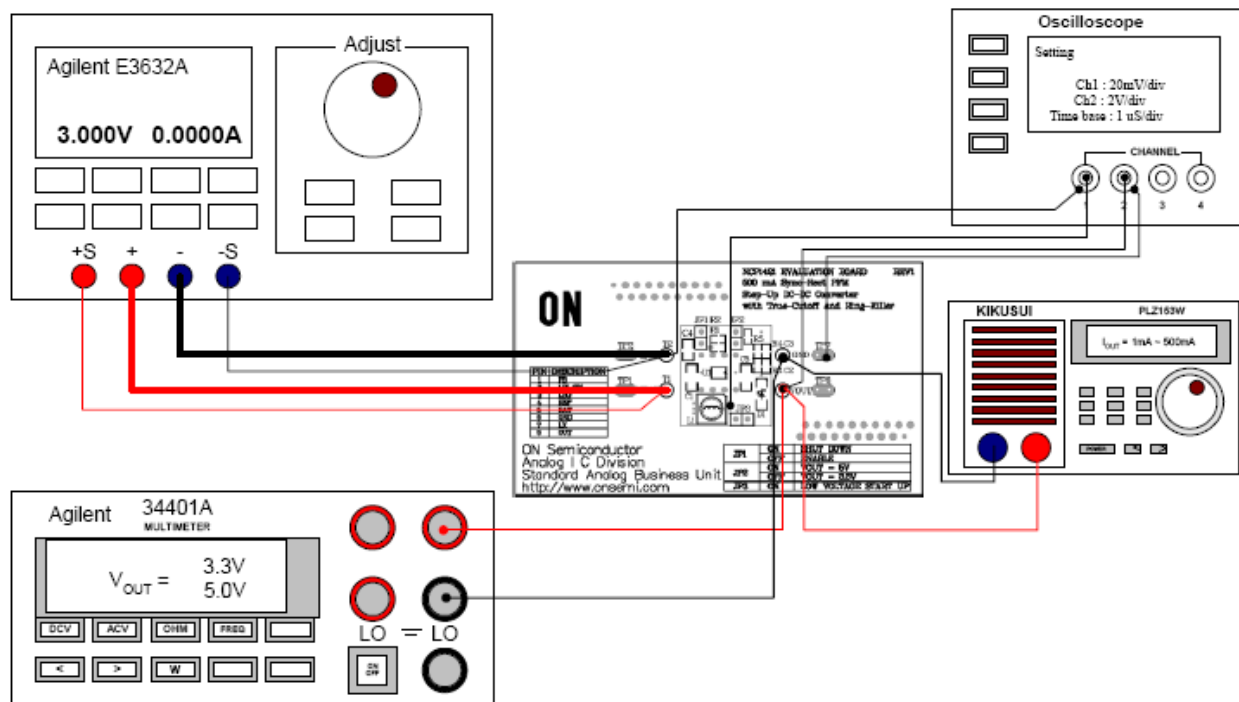




Test Procedure for the NCP1422 Evaluation Board



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 $0.46 \mu s \sim 1.15 \mu s$