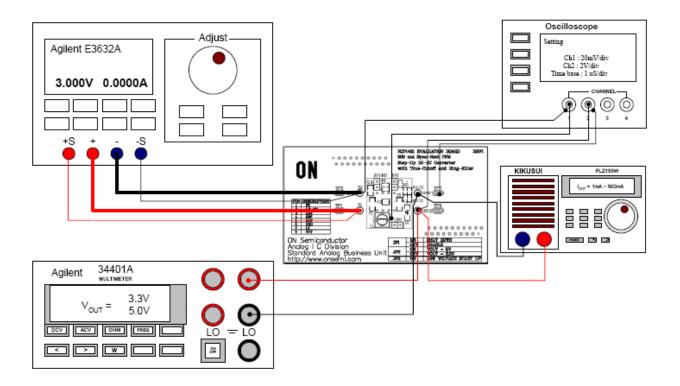


Test Procedure for the NCP1422GEVB Evaluation Board



- 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** $I_{IN} = 590.7 \text{mA} \sim 608.7 \text{mA}$ $V_{OUT} = 3.267 \sim 3.367V$ $V_{RIPPLF} \leq 35 \text{mV}$
 - For $V_{OUT} = 5V$; **JP2 ON** $I_{IN} = 931.07 \text{mA} \sim 957.4 \text{mA}$ $V_{OUT} = 4.859 \sim 5.0075 \text{V}$ $V_{RIPPLE} \le 40 \text{mV}$
- 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 μ s ~ 1.15 μ s

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