



Test Procedure for the NCP2811 Evaluation Board

Necessary Equipment:

Oscilloscope	Waveform Generator	Oscilloscope Probe
DC Voltage Supply	Shunt Jumper	Ammeter
2 x 16Ω Resistor	Two Positon 5.00mm Block Plug	

Output Power:

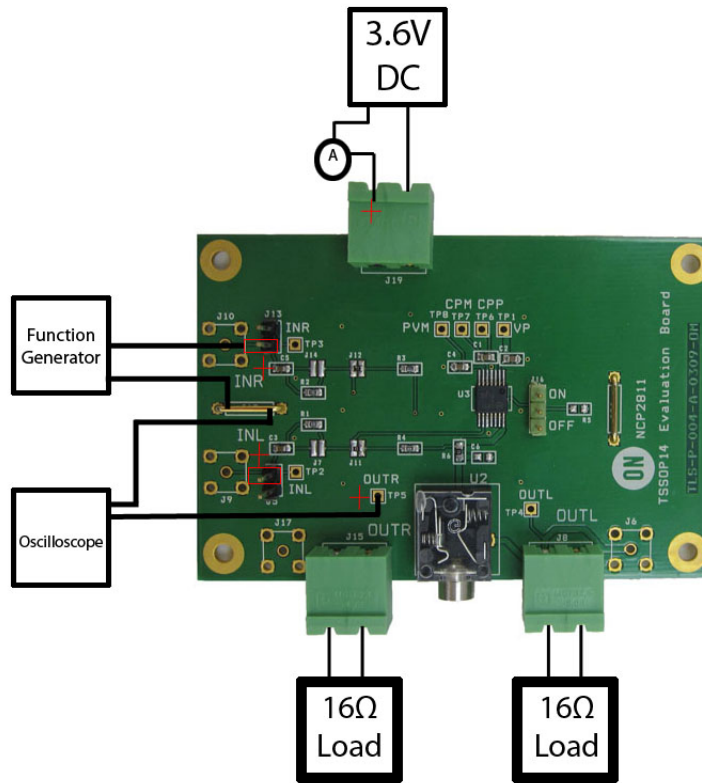


Figure 1: Right Output Test Setup

1. Place a 16 Ω load (resistance) on OUTR and OUTL output connectors (J15 and J8).
2. Use a jumper to connect the middle and ON pins of the J16 connector (INL).
3. Set the DC power supply to 3.6 V and attach to power supply connector (J19) where the positive DC input is on the left and negative on the right.
4. Verify quiescent voltage is around 6 mA.

**Right:**

5. With the function generator, generate a sine wave at 1 kHz and 0.5 Vrms. Apply the positive end of this signal to the center J13 connector pin and the negative end to the ground bar.
6. Place an oscilloscope probe in the hole labeled OUTR at the output (TP5). You should see 0.5 Vrms output signal with a sine wave (no clipping).
7. Disable the signal generator's output.
8. Disable the DC source's output

Left:

9. Move the positive function generator output cable to the center J5 connector pin (INR).
10. Enable outputting for the DC supply and then function generator.
11. Place an oscilloscope probe on the OUTL output (TP4). You should see 0.5 Vrms output signal with a sine wave (no clipping) again.