



Test Procedure for the NCP2811 Evaluation Board

Test Procedure:

Output Power:

1. Set $V_p = 3.6\text{ V}$ to power supply connector (J19).
2. Set a $16\ \Omega$ load (resistance) on each of the output connectors (J8 and J15).
3. Close the J16 connector (ON position).
4. With the function generator, set a single ended signal at 1 kHz and 0.5 Vrms. Apply each end of this signal to the positive sides of the J5 and J13 connectors.
 - a. On the NCP2811A, as $R1 = R2 = R3 = R4 = 10\text{k}$, OUTL_C and OUTR_C will see 0.5 Vrms. Place an oscilloscope probe on each output. You should get 0.5Vrms output signal with a sine wave with no clipping.
 - b. On the NCP2811B, the gain is internally set to -1.5 V/V, OUTL_C and OUTR_C will see 0.75 Vrms. Place an oscilloscope probe on each output. You should get 0.75Vrms output signal with a sine wave with no clipping.

Quiescent Current:

Check the quiescent current. Place a $16\ \Omega$ load on each output (J8, J15); no input signal. V_p set to 3.6V and J16 closed (ON position). You should measure around 6 mA for the input current.