



Test Procedure for the NCV8871BSTGEVB Evaluation Board

Equipment:

1. Power Supplies (1 High Power, 1-3 Logic Level)
2. Digital Volt Meter
3. Digital Ampere Meter
4. Function Generator (optional)

Test Procedure:

1. Apply 13.2 V to VIN. The output voltage should be around 13 V.
2. Apply 5 V to the EN/SYNC pin. The output voltage should be around 18 V.
3. Attach a 9 Ω load to the output. It should draw 2 A, and the output voltage should be around 18 V.
4. Look at the switch node. The frequency should be around 170 kHz.
5. Apply a 200 kHz, 5 Vpp clock to the EN/SYNC pin. The output voltage should be around 18 V.
6. Look at the switch node. The frequency should be 200 kHz.
7. End of test.