

Test Procedure for the NCV7535V5C450GEVB Evaluation Board

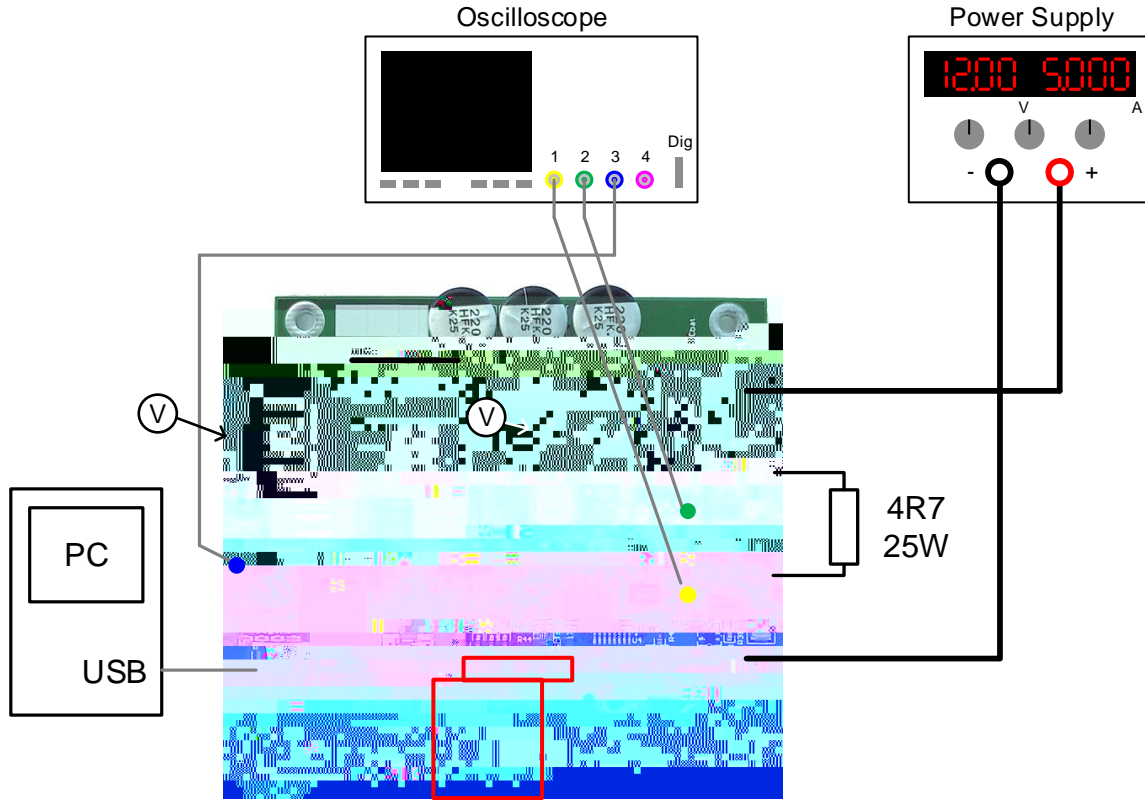


Figure 1: Test Setup Configuration



Required Equipment

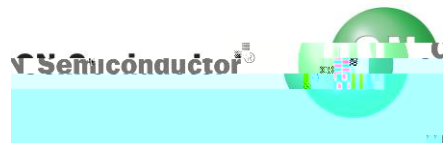
Oscilloscope
Bench Power Supply, current capability min. 3 A, Ampermeter
Voltmeter (alternatively free oscilloscope channel)
PC Software for NCV7535 EVB Control
Mini USB Cable
NCV7535 Evaluation Board

Test procedure Step 1 (Standalone mode):

1. Set SW_SA switch to Standalone mode
2. Turn Pot1 left
3. Connect supply
4. Check I_{BAT}
5. Check OUT1/2 state
6. Check V_{CHP}
7. Check V_{sen} voltage
8. Turn Pot1 right
9. Check OUT1/2 state

Table 1: Desired Results

$I_{BAT} = I_{BAT}$



Test procedure Step 4 (PC Mode, HS2 + LS1 on):

- 1.