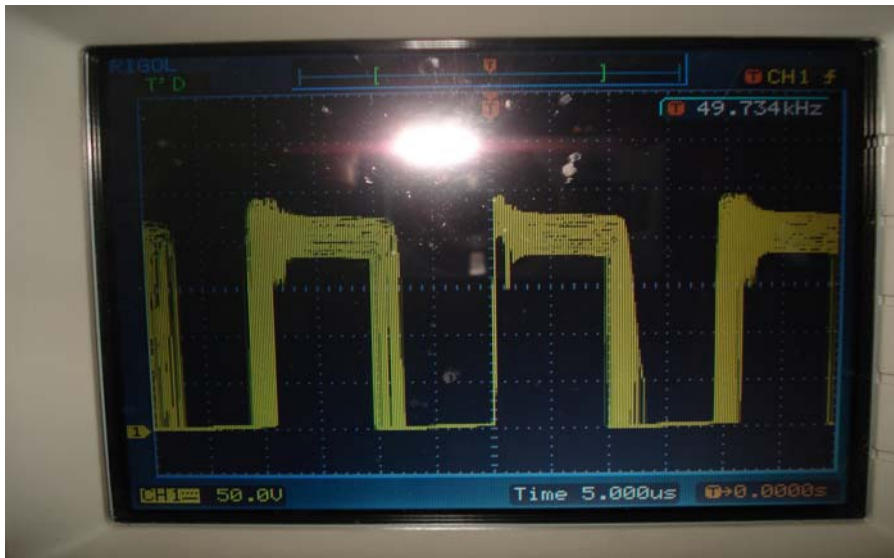


一. 1# 测试情况如下:

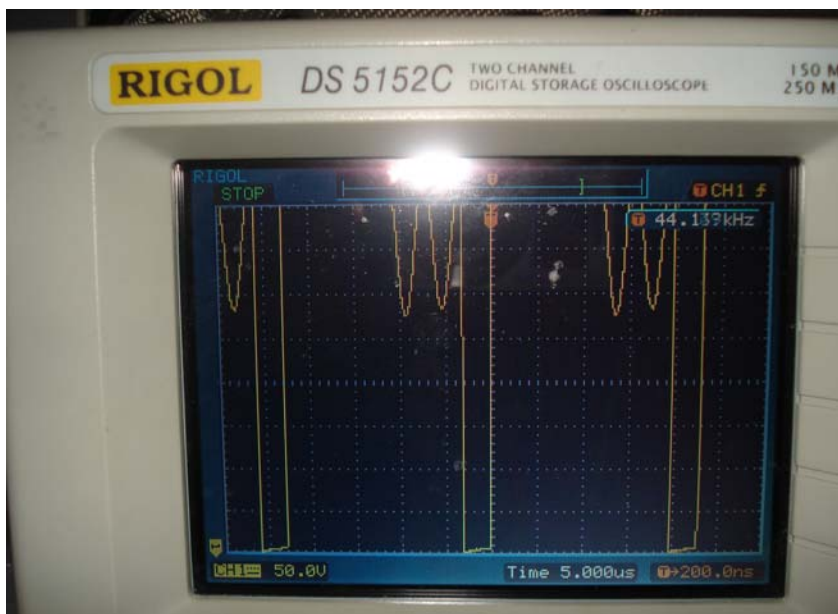
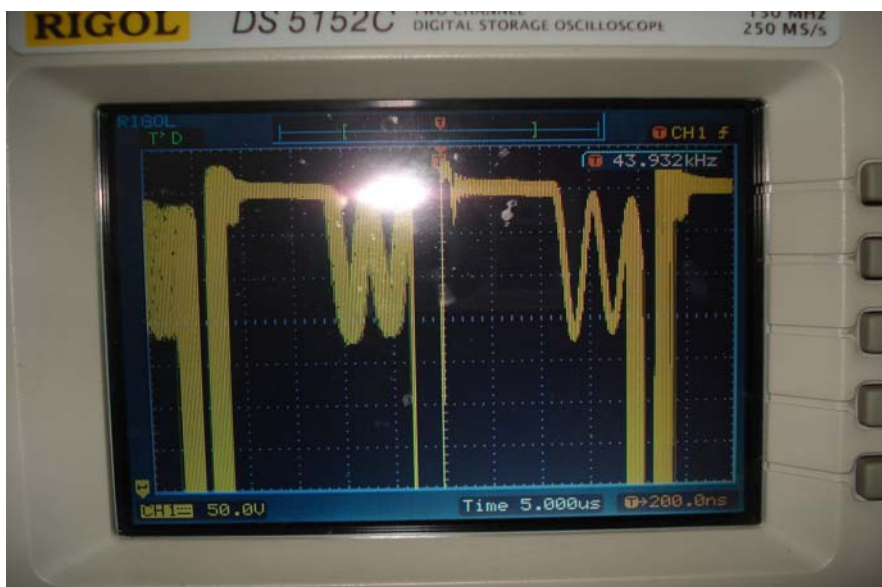
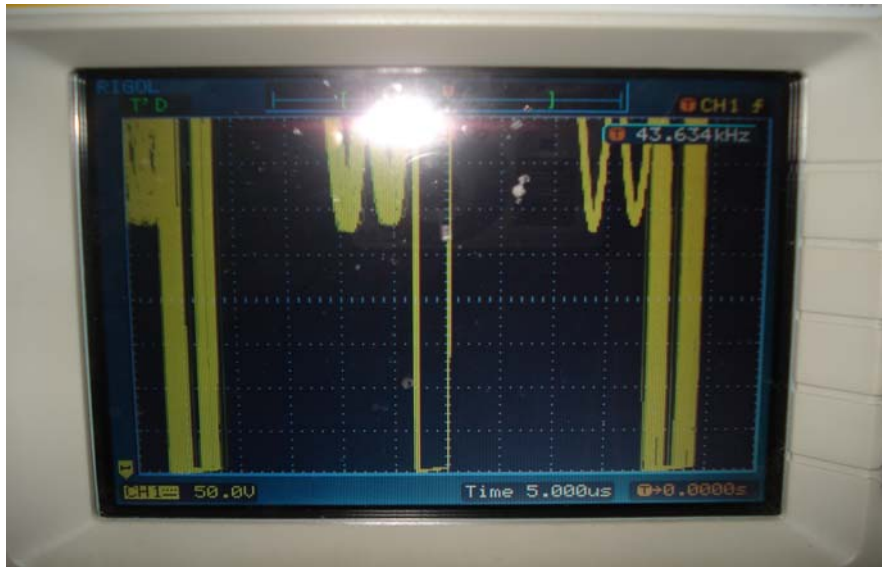
1. Input: 90Vac, Output: 9.39V/0A, Vcc=15.35V; FB: 1.14V.
Output: 9.33V/1A, Vcc=19.21V; FB: 1.92V.
2. Input: 220Vac, Output: 9.39V/0A, Vcc=13.06V; FB: 1.13V.
Output: 9.32V/1A, Vcc=19.21V; FB: 1.61V.
3. Input: 264Vac, Output: 9.38V/0A, Vcc=12.75V; FB: 1.15V.
Output: 9.33V/1A, Vcc=19.21V; FB: 1.92V.

4. Input: 90Vac, output: 1A load, Vds 波形:



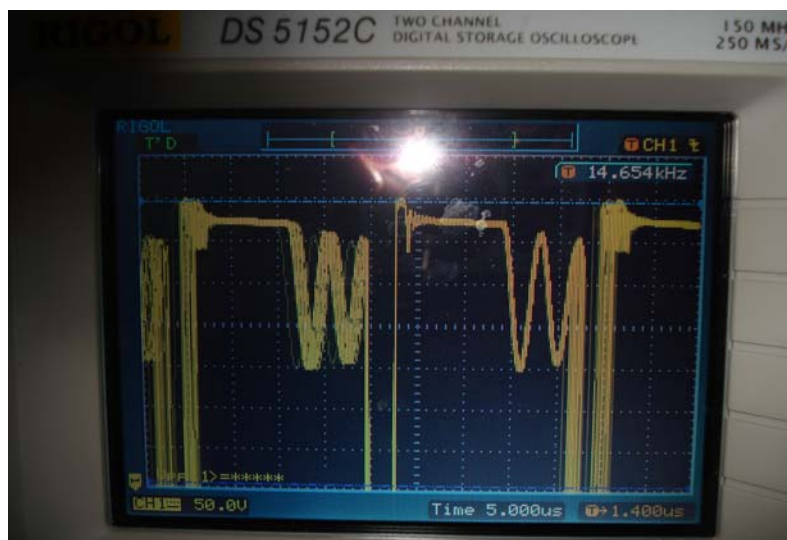
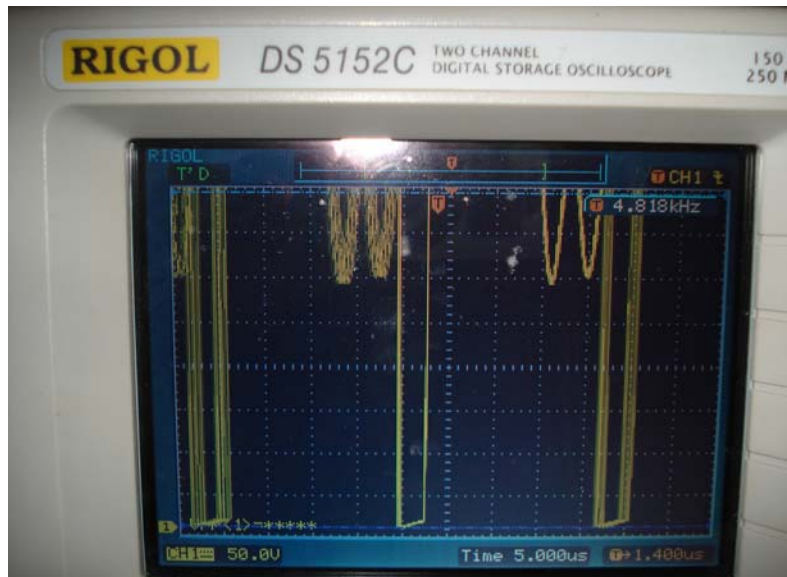
依据以上的测试波形得出: $V_{p-p}=250V$, $\delta = 11/21 = 52.38\%$ (δ 占空比).

5. Input: 260Vac, output: 1A load, Vds 波形



依据以上的测试波形得出: $V_{p-p}=500V$, $\xi = 3/43 = 6.97\%$ (ξ 占空比).

7.Input: 220Vac, output: 1A load, V_{ds} 波形:



依据以上的测试波形得出: $V_{p-p}=500V$, $\xi = 3/43 = 6.97\%$ (ξ 占空比).

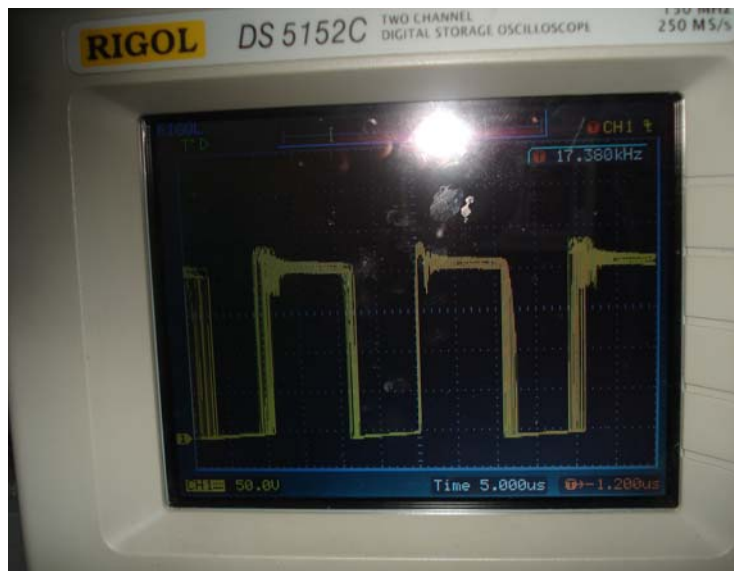
2. 2# 测试无输出.经检查: OB2354AP Pin2,4 ---Pin7,8 GND 短路,D7(SR560 DO-27)正负极短路. 更换 OB2354AP,用 SB360 DO-27 代替 SR560(廖现成的 SR560 样品) 测试工作正常! 测试情况如下:

1.Input: 90Vac, Output: 9.32V/0A, $V_{cc}=15.76V$; FB: 1.13V.
 Output: 9.26V/1A, $V_{cc}=18.94V$; FB: 1.96V.

2.Input: 220Vac, Output: 9.32V/0A, $V_{cc}=13.07V$; FB: 1.13V.
 Output: 9.26V/1A, $V_{cc}=18.93V$; FB: 1.61V.

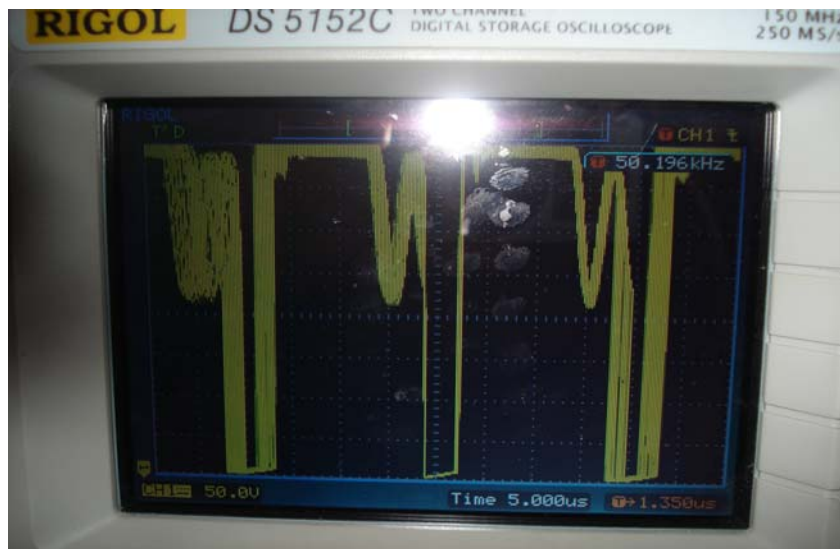
3.Input: 264Vac, Output: 9.32V/0A, $V_{cc}=12.89V$; FB: 1.18V.
 Output: 9.26V/1A, $V_{cc}=18.92V$; FB: 1.56V.

4. Input: 90Vac, output: 1A load, V_{ds} 波形:

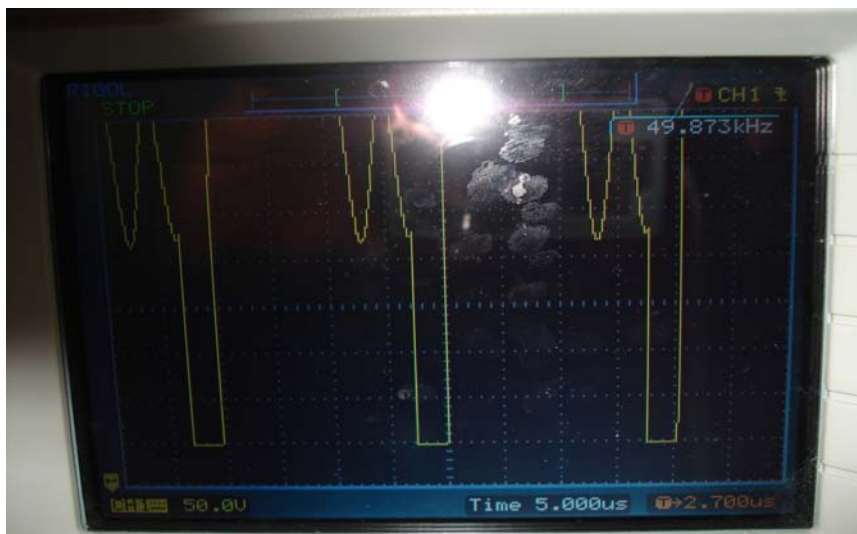
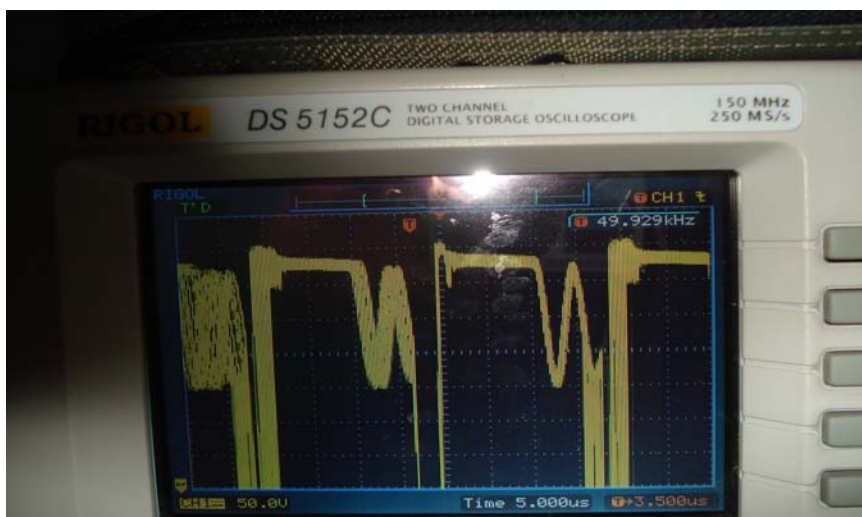
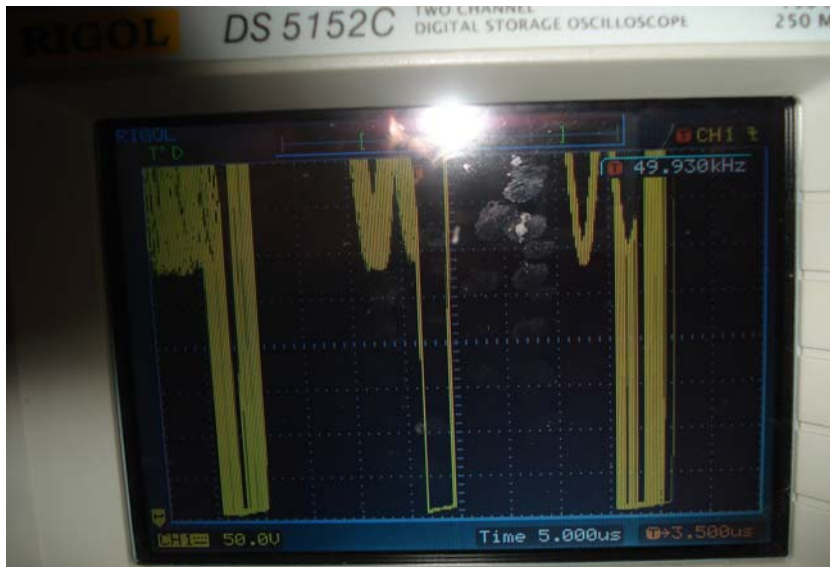


依据以上的测试波形得出: $V_{p-p}=250V$, $\xi = 9/21 = 42.85\%$ (ξ 占空比)

5. Input: 220Vac, output: 1A load, Vds 波形:



依据以上的测试波形得出: $V_{p-p}=480V$, $\xi = 4/41 = 9.75\%$ (ξ 占空比).
6.Input: 264Vac, output: 1A load, V_{ds} 波形:



依据以上的测试波形得出: $V_{p-p}=500V$, $\xi = 3/40 = 7.5\%$ (ξ 占空比).

注：示波器探头：*10 档。

变压器： $N_p:N_s:N_v=93:10:20$, $L=2.3\text{mH}$ 。