

BUILDING REPORT

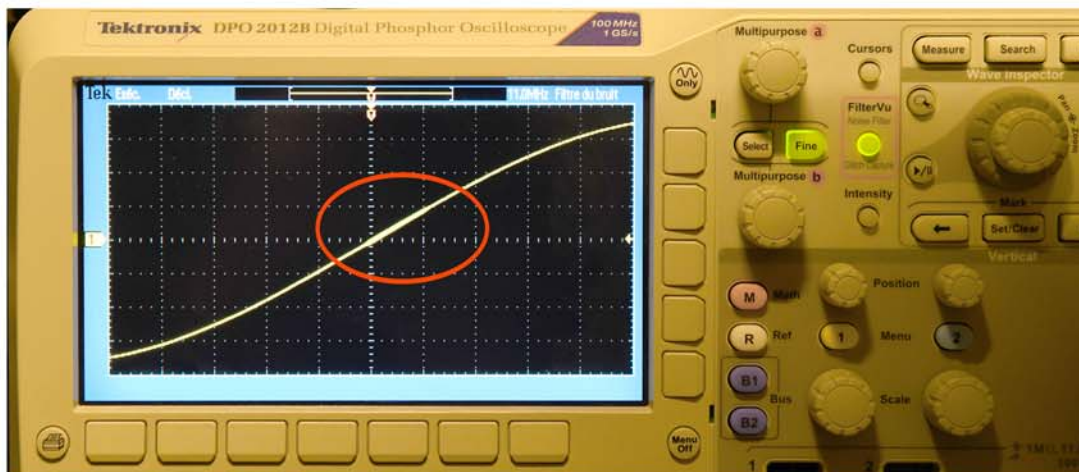
Measuring conditions :

- Frequency 1 KHz
- 12,461 V eff on 8,25 Ohms Load
- Output Power = 18,8 W

Current on output transistor

- Voltage between TP1 / TP2 = 112 mv
- >> Current on each output transistor is 250 mA.

Max V output = 36,5 V eff before clipping
Max power output = 161 W

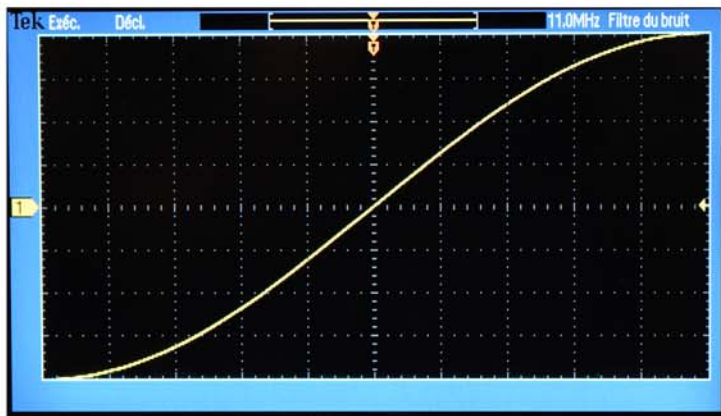


There is a small oscillation in the Zero crossing region.

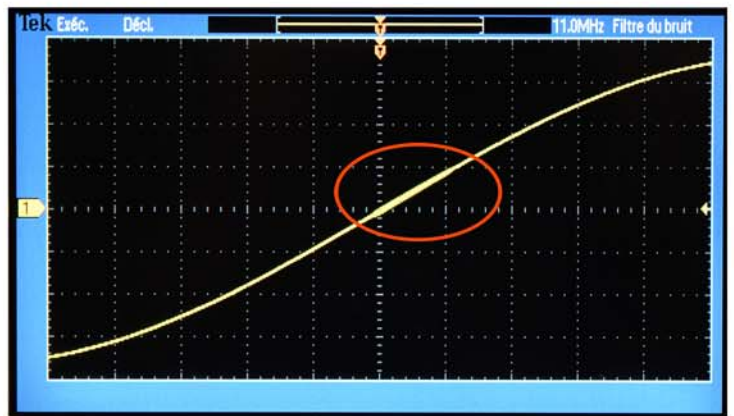
The curious thing is that this oscillation occurs only at certain frequencies and at certain power level. It is mainly present at 1KHz and with an output power of 15 to 30/40 W.

At 400 Hz nothing noticeable and it is the same over 2 500 HZ.

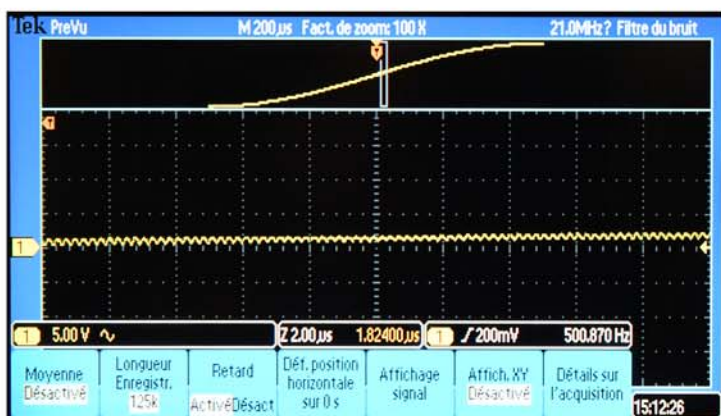
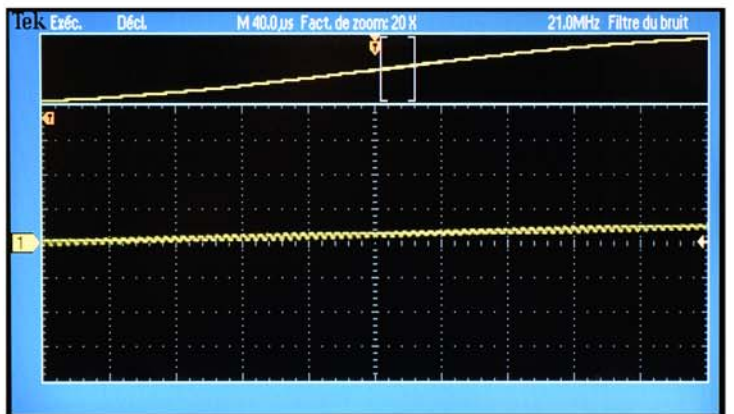
This is not a crossover distortion but an oscillation.



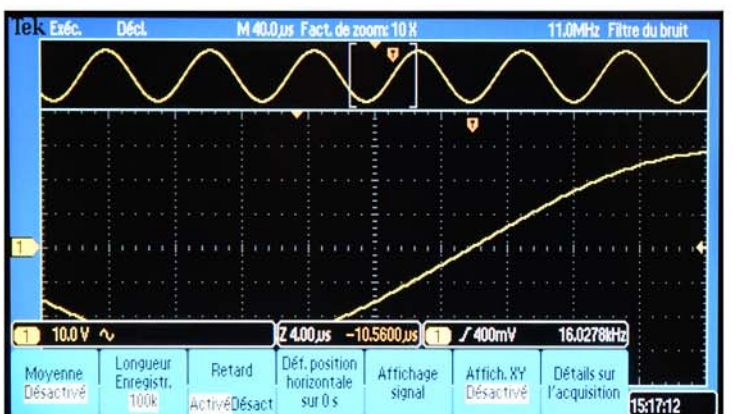
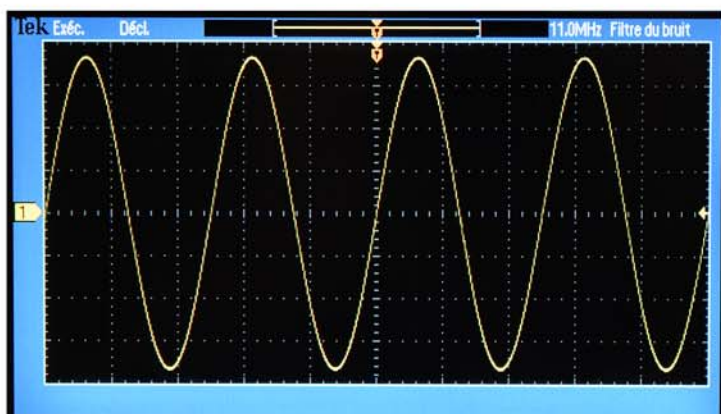
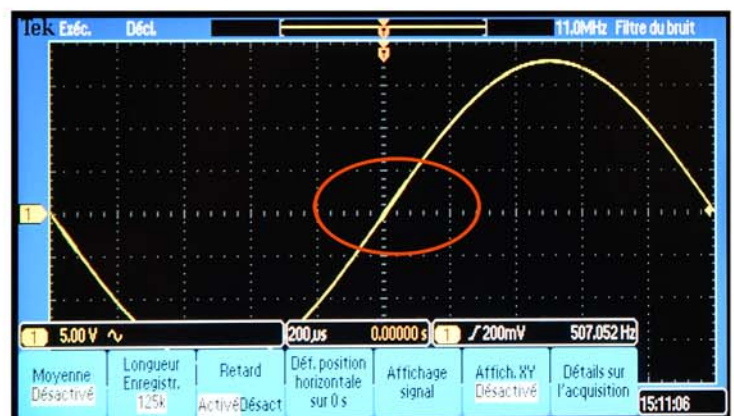
1 KHz low power - nothing noticeable



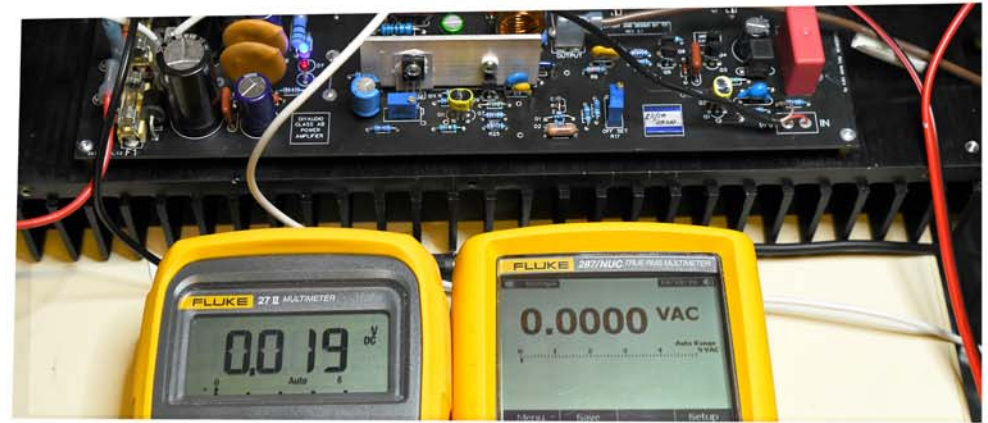
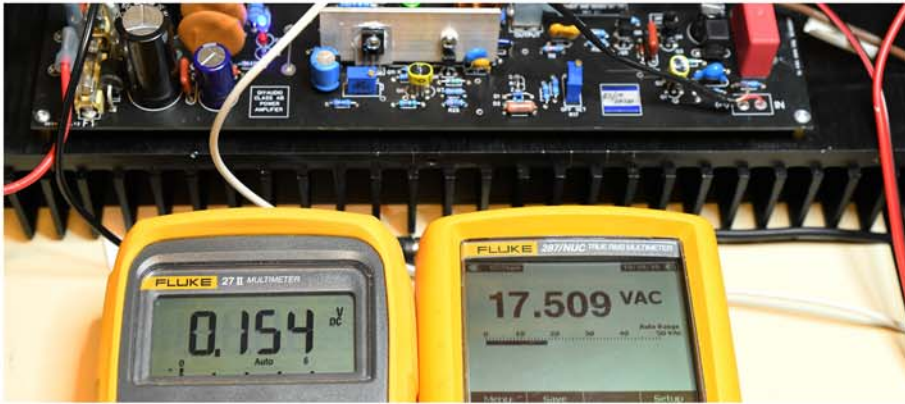
1 KHz 20 W - Oscillation noticeable



500 Hz - Oscillation



16 KHz same out power - nothing noticeable



Idle current

Idle current have been adjusted at 34 mA per transistor corresponding to 30 mV across TP1 & TP2.

Whe you cut the input signal the current is not going to his correct value but far too low.

Normally if you short the input the current will drop to its idle value (30 mV)

In this cas the current drop far too low before climbing after a while to its correct value.

Same phenomena when powering on.

At power on without input signal the iddle current goes far too high and takes time to finally recover its correct value.