

ADD ON - EVALUATION OF G5 OUTPUT TRANSFORMERS WITH KT88 POWER TUBE

Tests procedure:

input signal: +/- 300mV (sound card generator).

préamp set-up: neutral (treble 0; bass 0; medium max)

8ohm / 50W Dummy load.

OT TT:

KT88 150mA / 270V at idle

To get the 2.5K load, the anode must be connect to the second 40% tap, ie blue-yellow wire. With the constructor datasheet the load is **only 1.7K**.

Primary : brown / blue-yellow

Secondary : white / black

OT ESO:

KT88 150mA / 270V at idle

2.5K

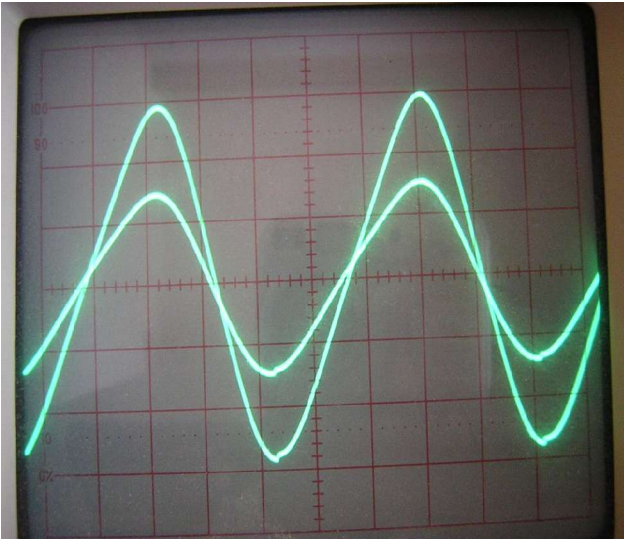
All graphs shows anode voltage and dummy load voltage for different frequencies.

Curves with **smaller swing is dummy load**.

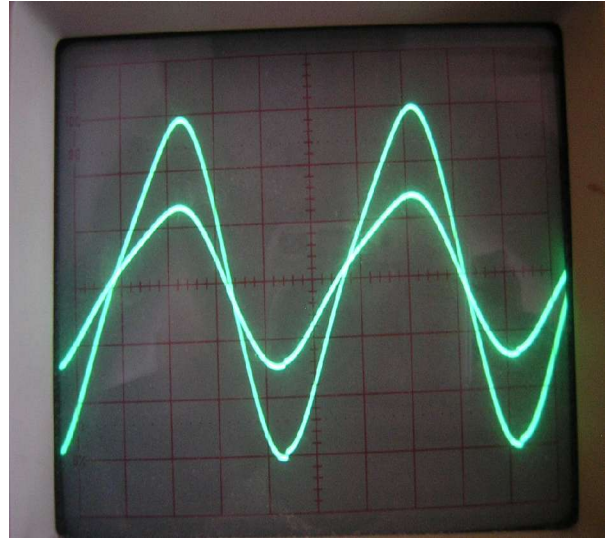
During this tests both transformers had supported the 150mA bias current without any temperature elevation. Their rating are good enough for supplying powerfull output tubes.

100 Hz scales 20V / 2V

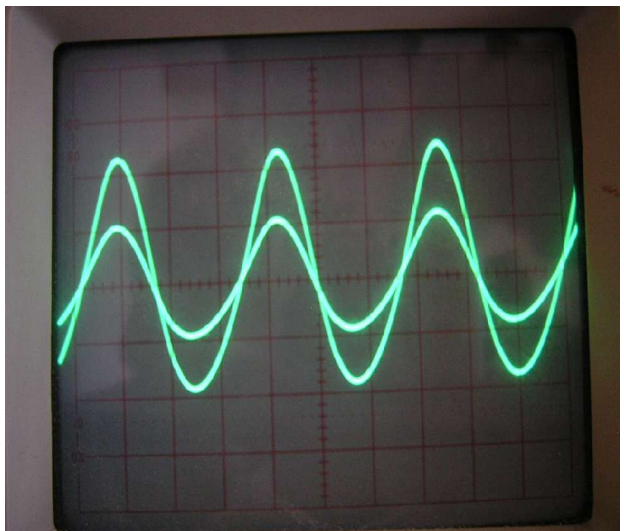
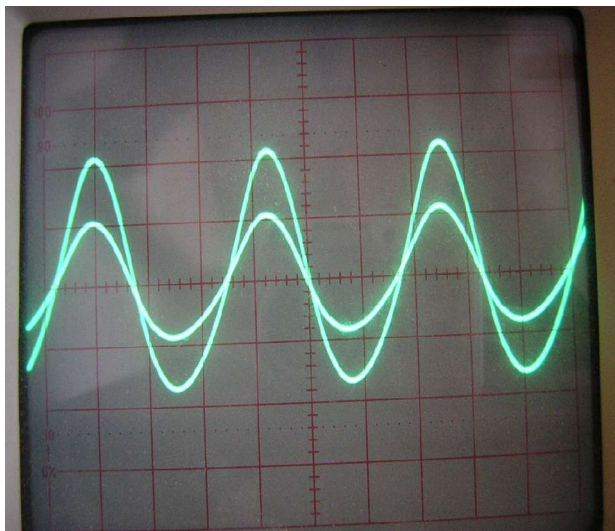
ESO



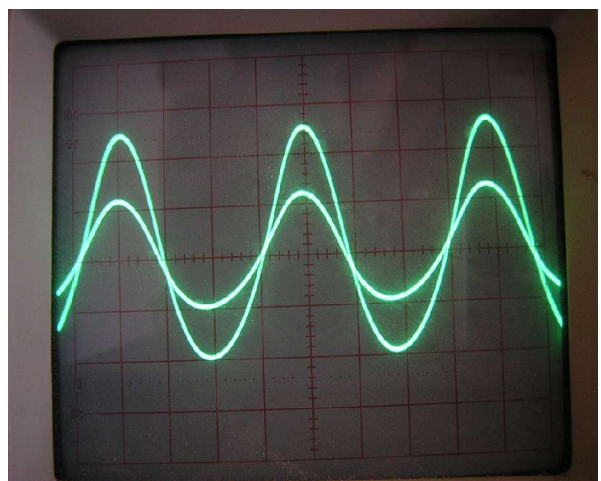
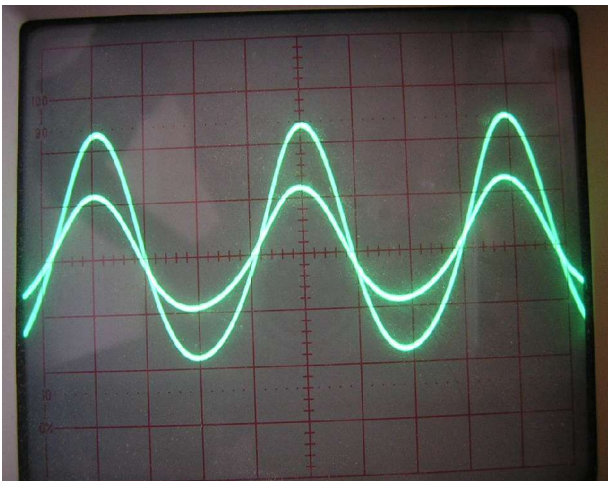
TT



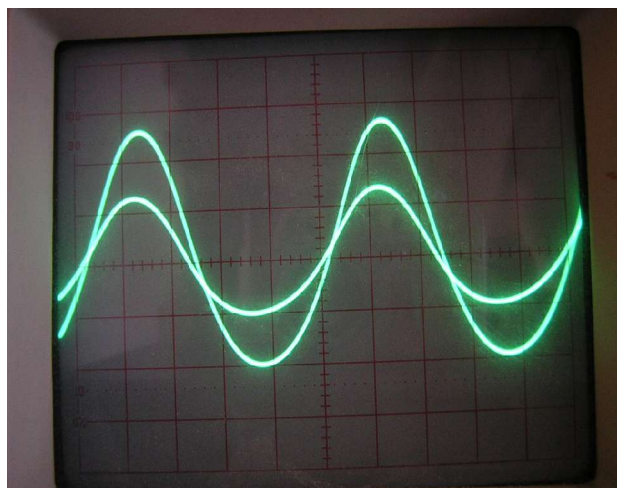
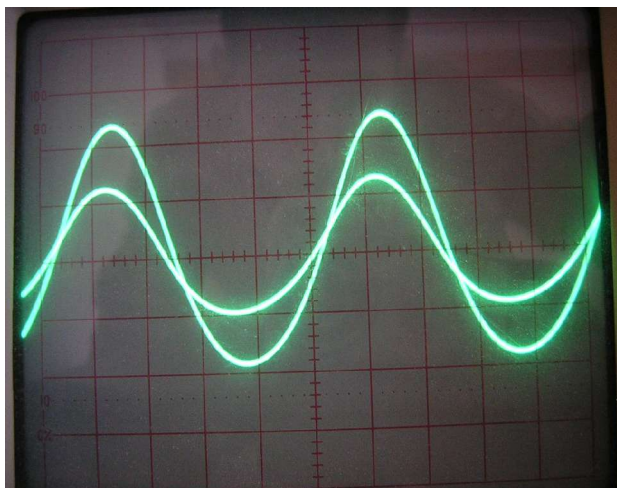
300Hz scales 50V / 5V



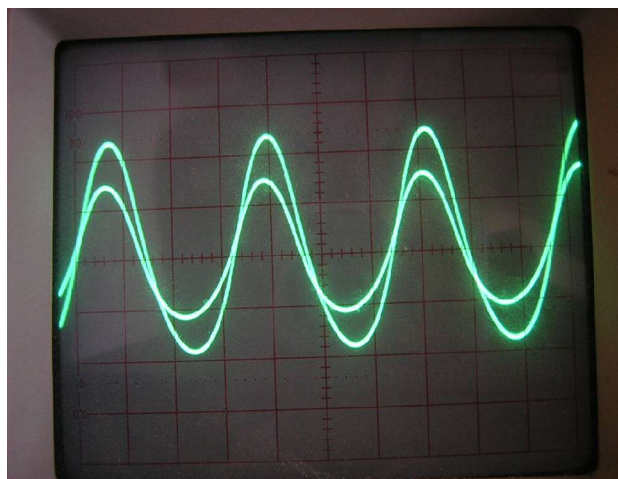
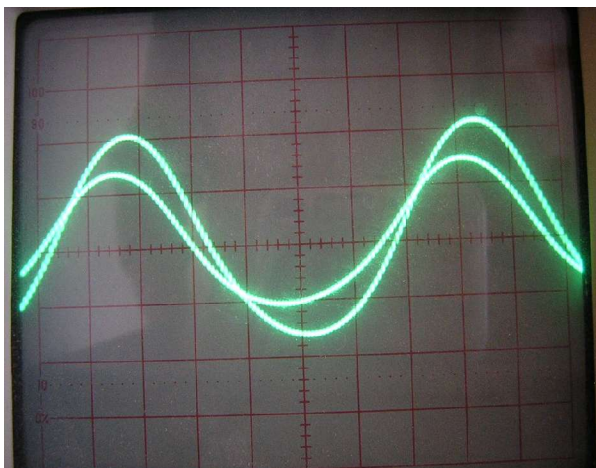
500Hz scales 50V / 5V



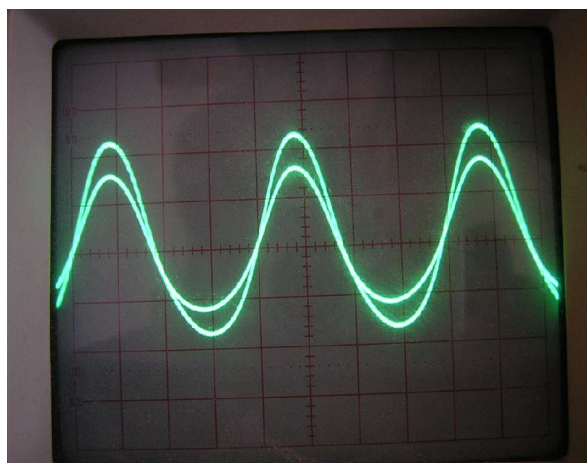
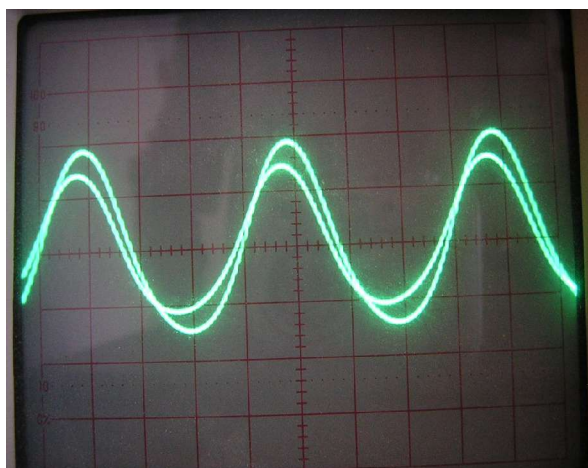
1000Hz scales 50V / 5V



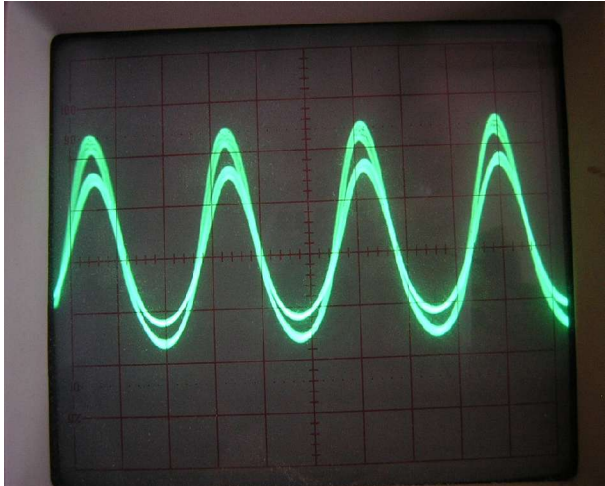
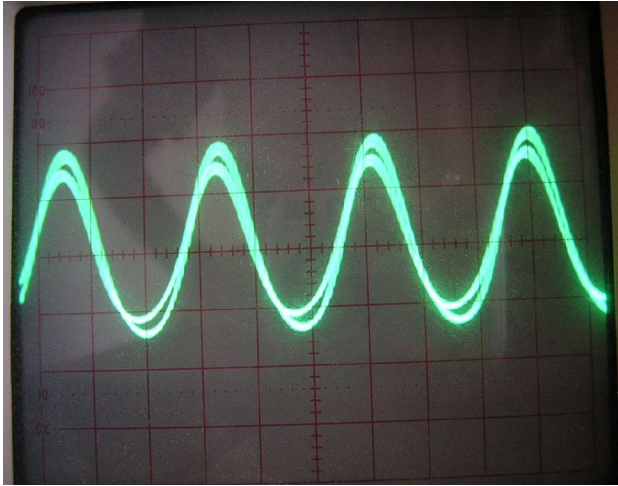
3000Hz scales 50V / 50



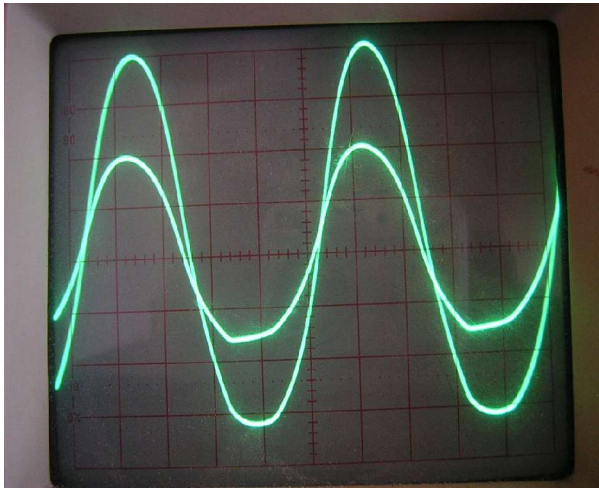
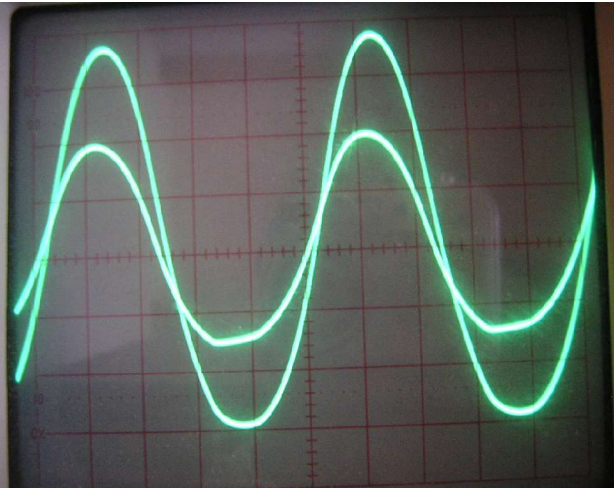
5000Hz scales 50V / 5V



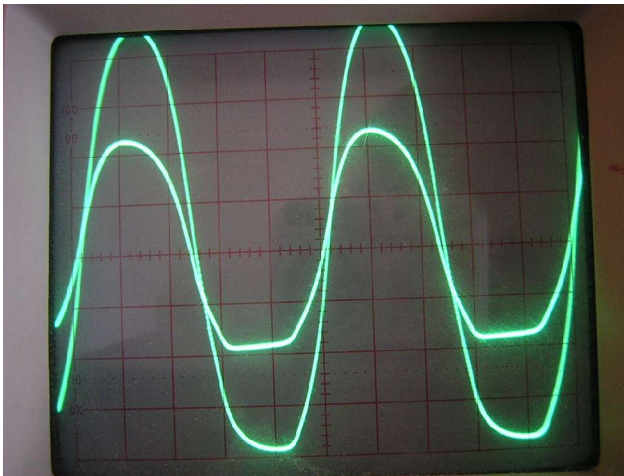
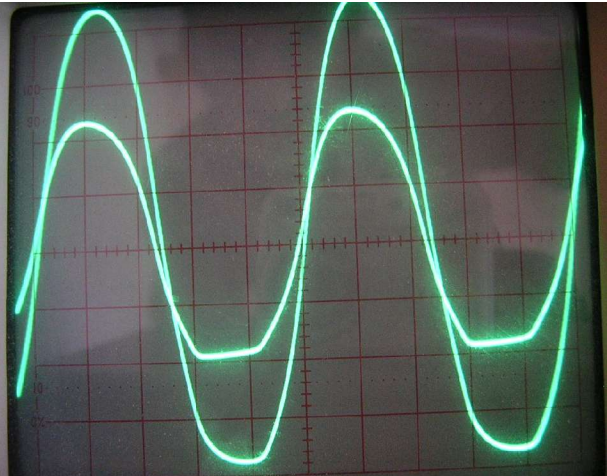
7000Hz scales 50V / 5V



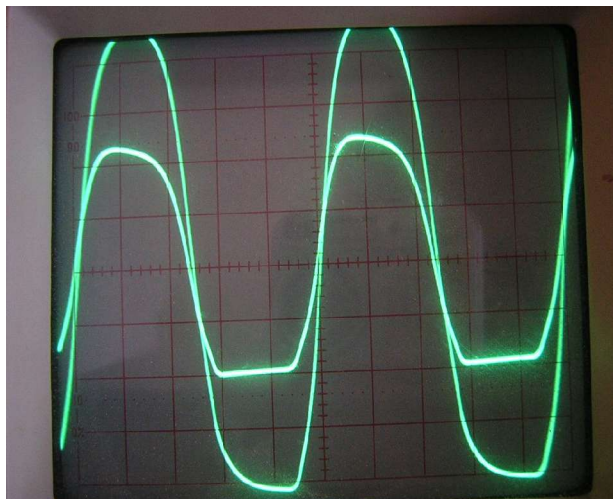
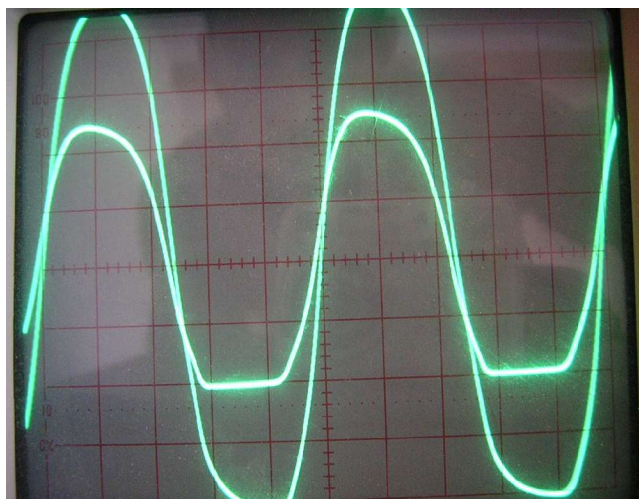
1000Hz Gain at 10 o'clock



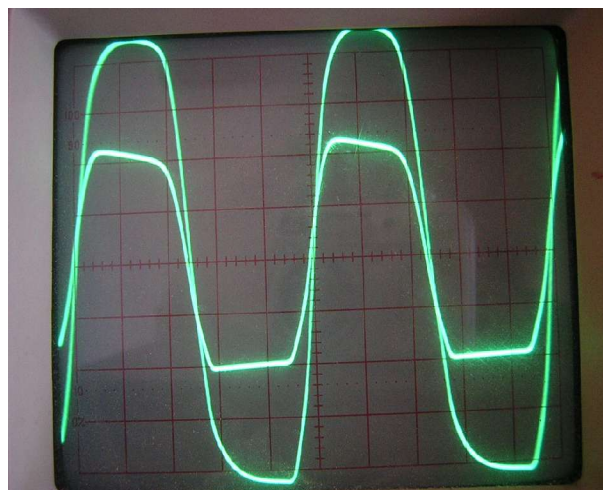
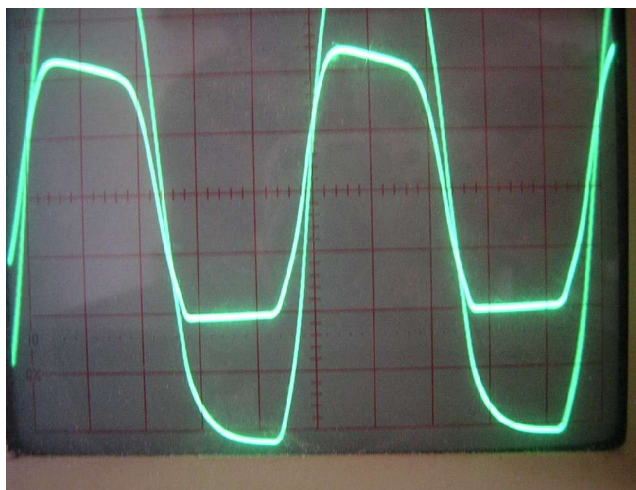
1000Hz Gain at 12 o'clock



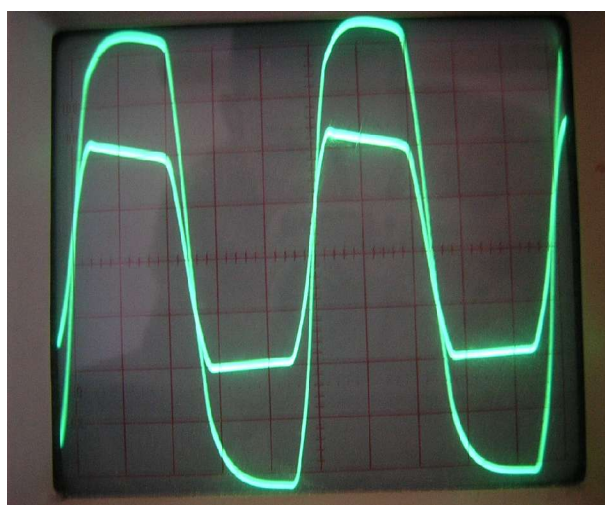
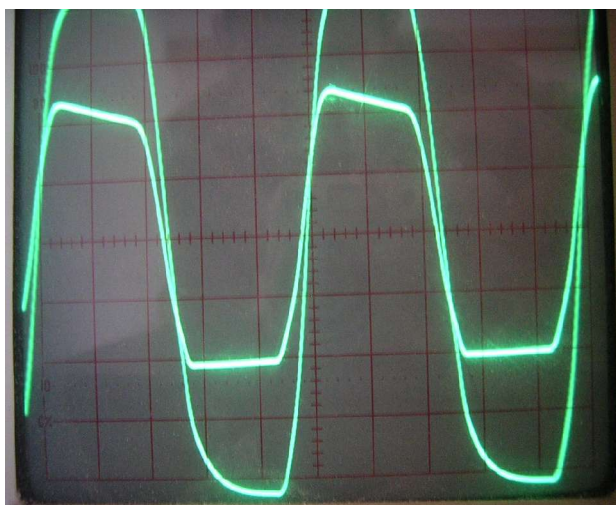
1000Hz Gain at 14 o'clock



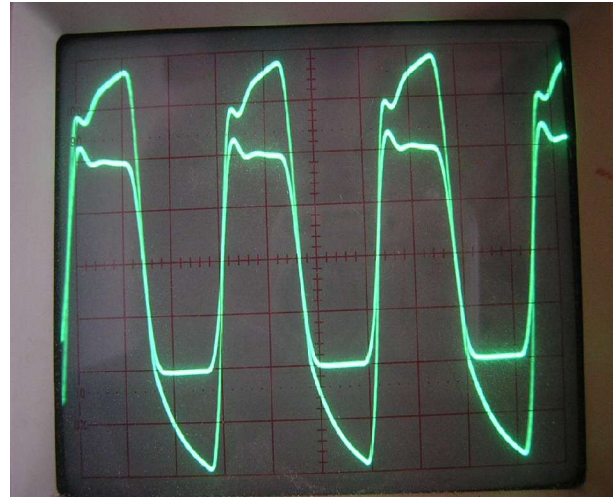
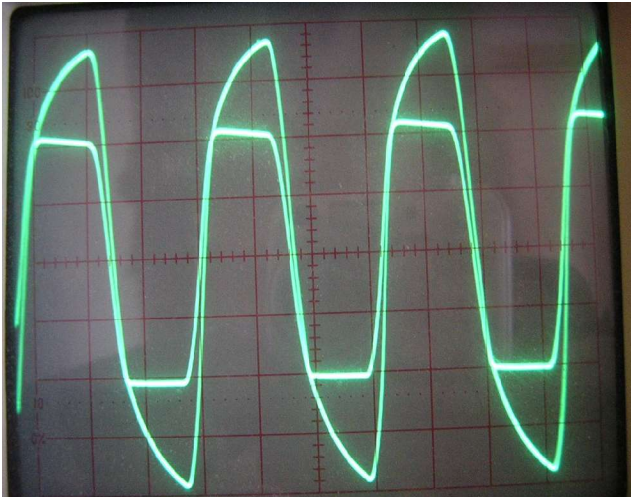
1000Hz Gain at 15 o'clock



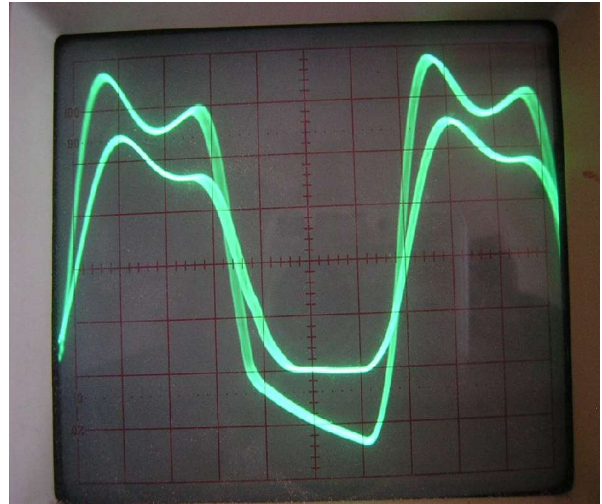
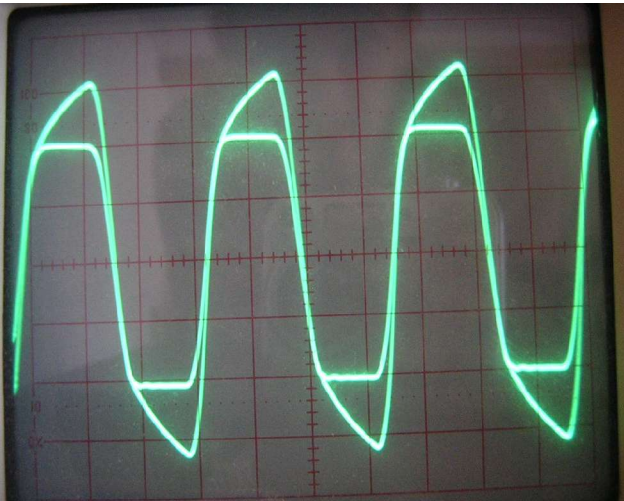
1000Hz Gain at Max



3000Hz Gain at Max



5000Hz Gain at Max



7000Hz Gain at Max

