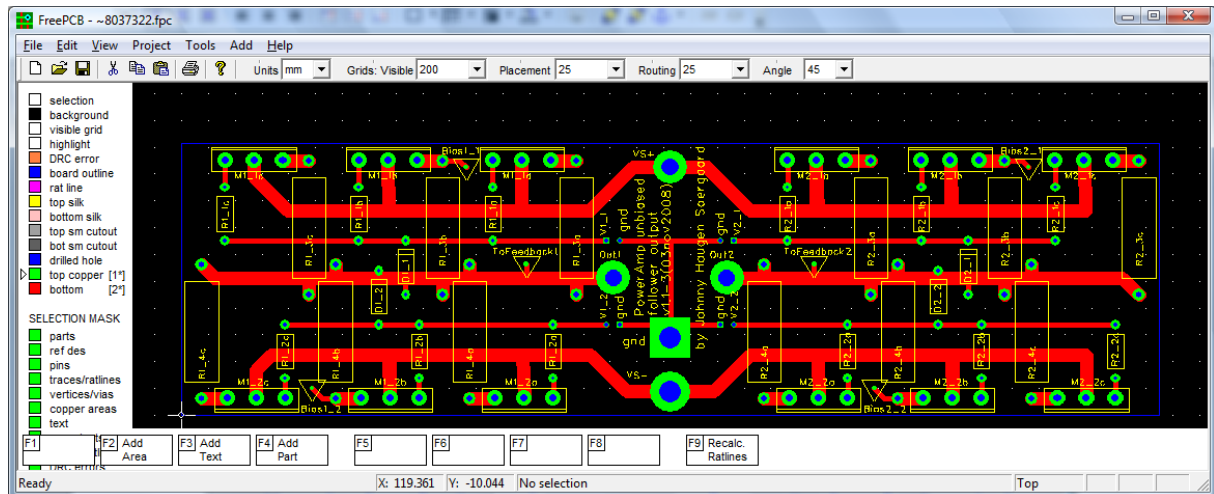
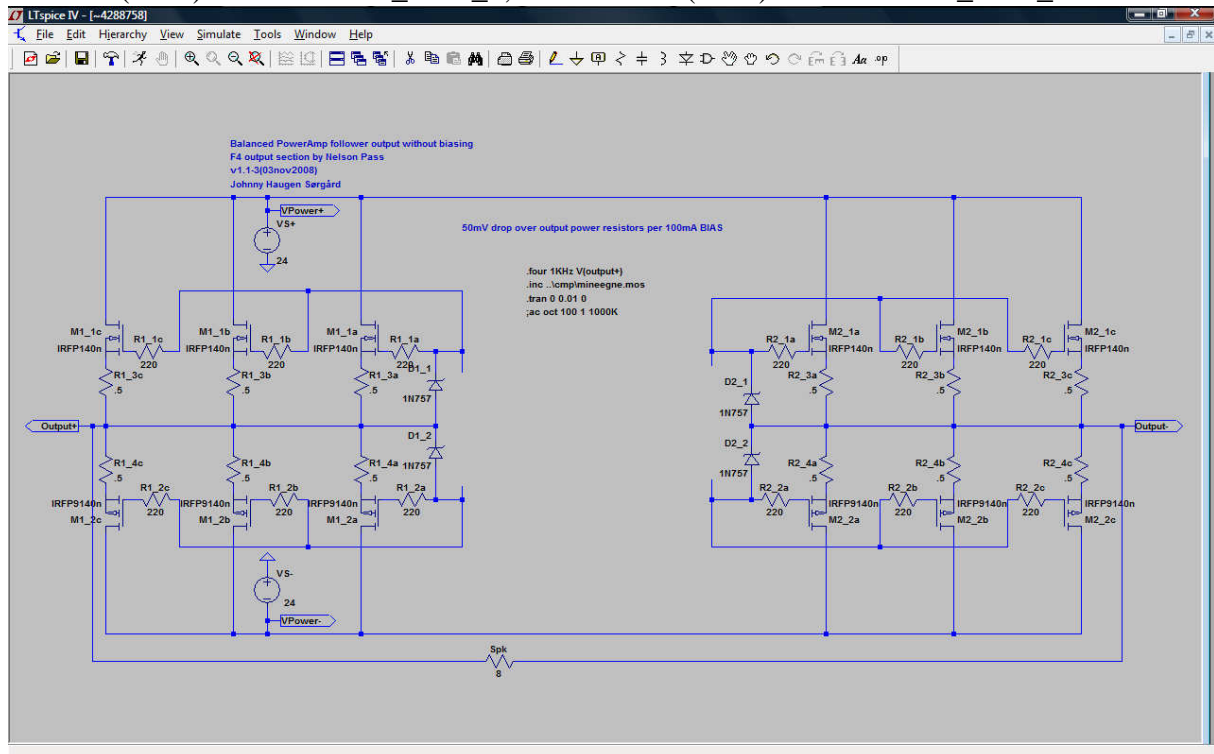
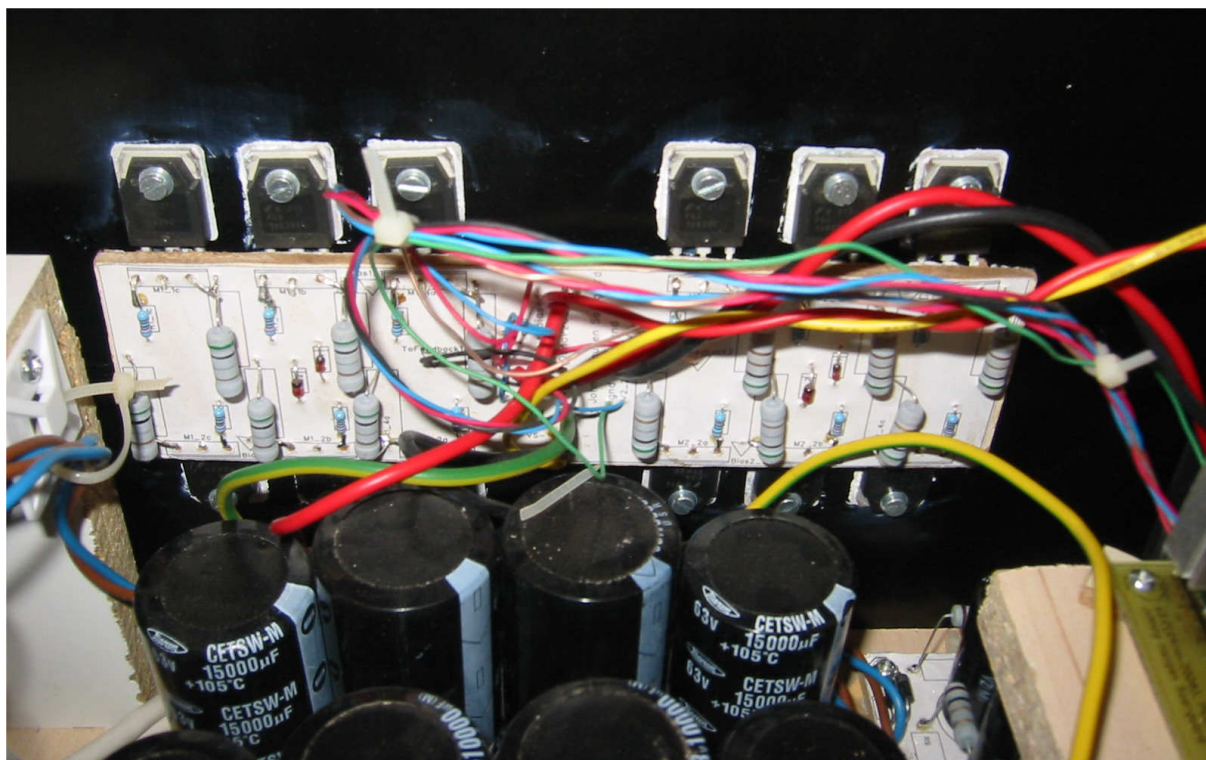


The output follower module. I used the Fairchild Mosfet's FQA19N20/FQA12P20. I selected 1N4736 (6.8V) zener's for D1_1/D2_1, and 1N4739 (9.1V) zener's for D1_2/D2_2.



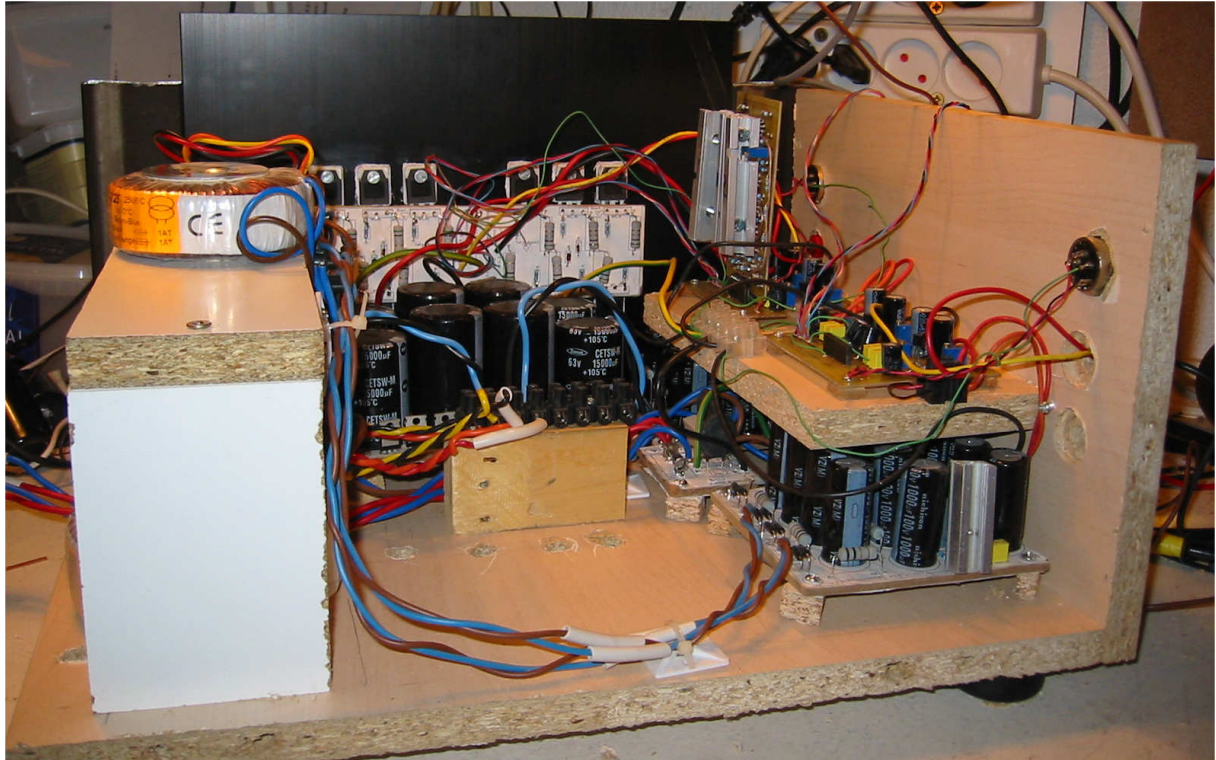
After a bit of experimentation the bias was set to 300mA per device. The heat sinks settles at ~25-30 degrees C above room temperature.



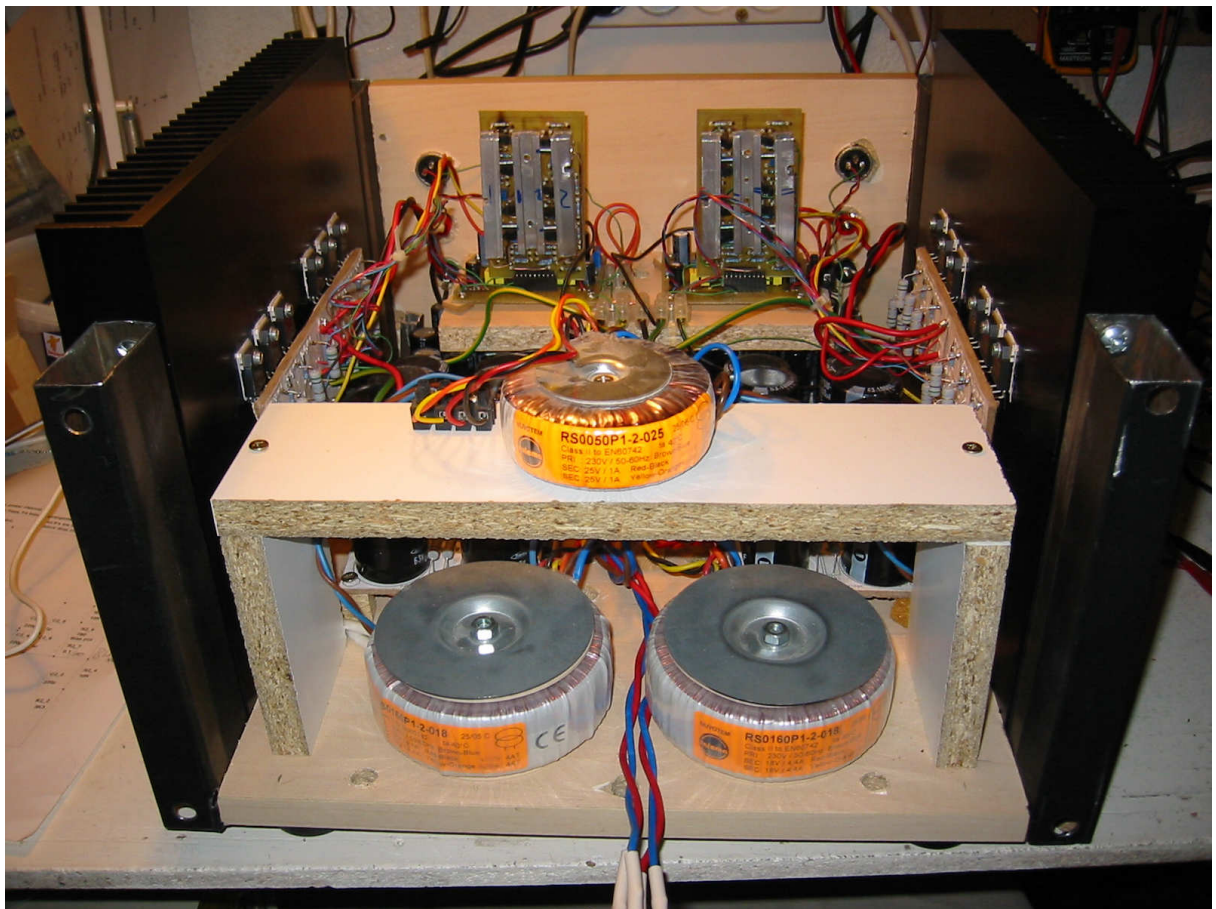
Illustrasjon 3: Output follower module mounted on the heat sink.

Finally it was time to do some testing. I hooked it up to the signal generator, Volt-meter, the computer and an 8 ohm load (5 light bulbs in parallell). The volt-meter used was a Fluke 8810. The signal generator was set to 1000Hz. Distortion measurements was done by Virtual Analyzer on the computer. I have an attenuator (two channel pot-meter for balanced operation) between the amplifier output and the computer input.

Watt rms	Volt rms	Left channel THD	Right channel THD
0.1	0.894	0.07%	0.036%
1	2.828	0.073%	0.044%
10	8.944	0.085%	0.056%
100	28.284	0.081%	0.102%
130	32.249	0.206%	0.25%
160	35.777	1.2%	1.43%



At this moment I was satisfied (very), and forgot to do any more tests...



Here it is...



... again I must say: «Thank you Nelson Pass for sharing your knowledge and designs.»

Johnny Haugen Sørård