

Cross Flux2 Test 10_16_15 jmf

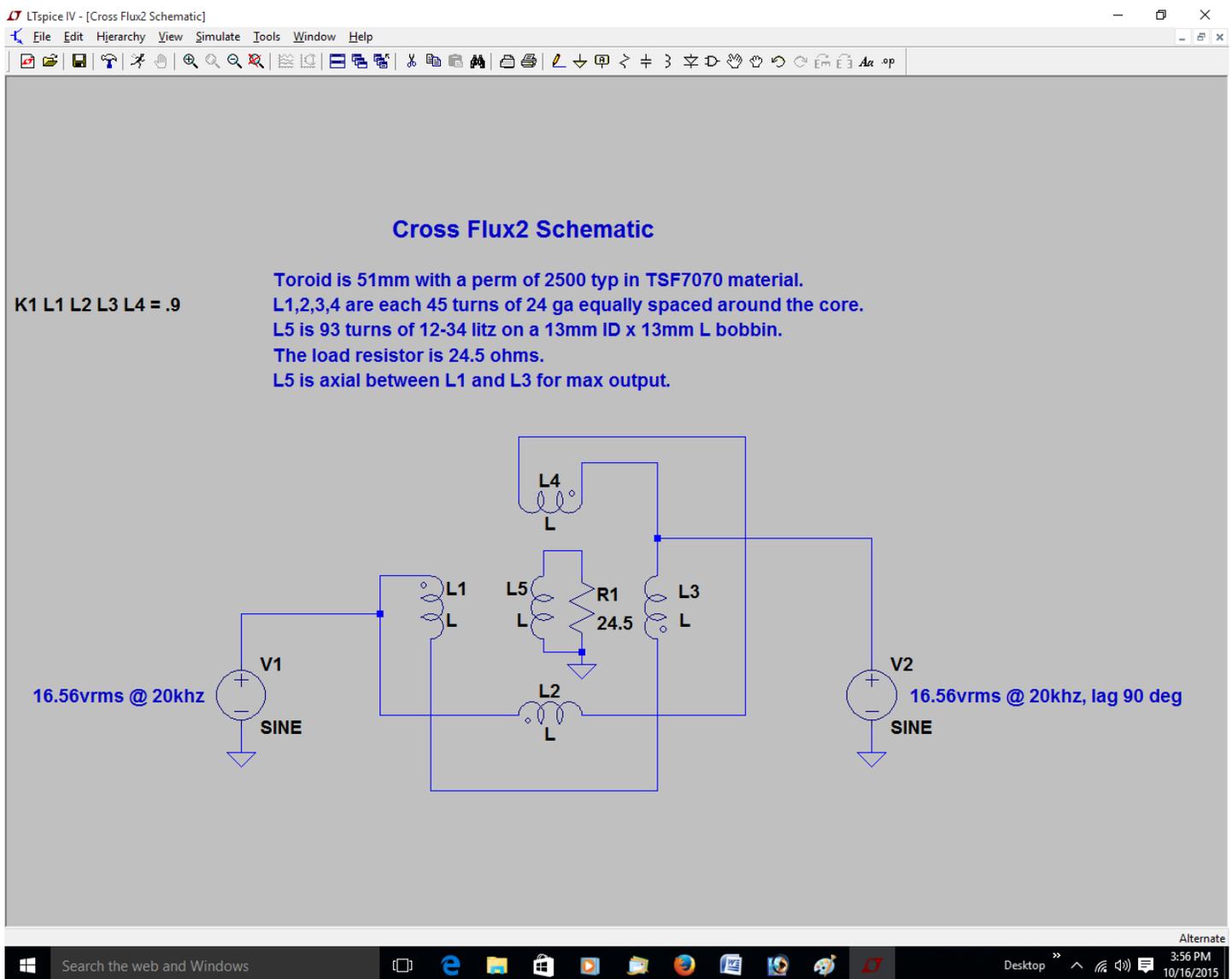
This topology consists of a toroid transformer with 4 identical windings connected in aiding and bucking pairs that are in parallel and driven by two sine waves 90 degrees out of phase. An output coil is positioned between the aiding pair of coils for maximum output to the 24.5 ohm load.

It has been found that square waves will also work in the same manner and would be the preferred drive source in order to recover the negative energy to the power supply.

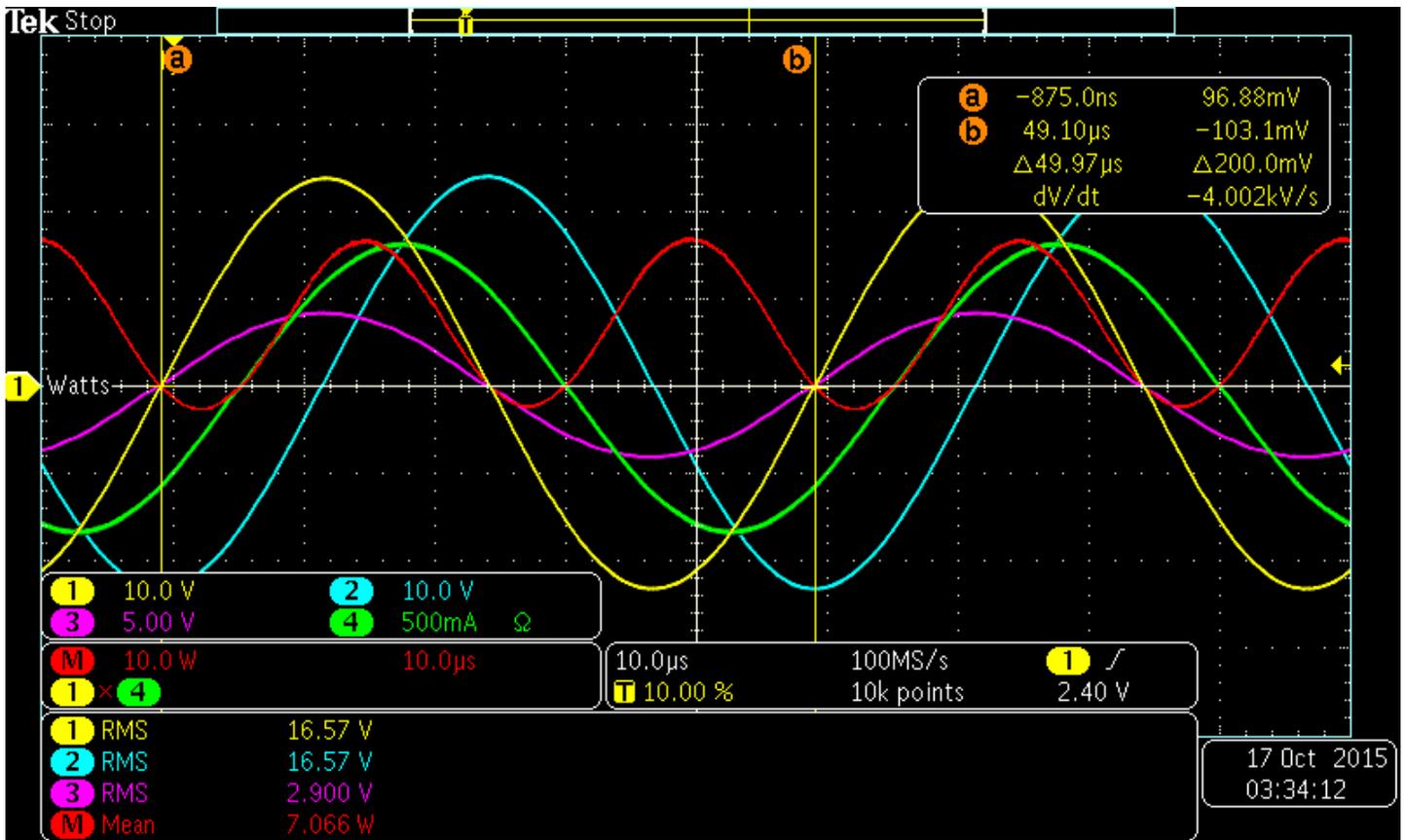
It might be noted that the magnetizing current for the windings at 20khz is appreciable.

The net input power = 184mw with the output power = 345mw for a COP = 1.88.

Edit: Center cores (2) of 3019 pot cores are inserted in the middle of L5.



Ch1 (left channel)



Ch2 (right channel)

