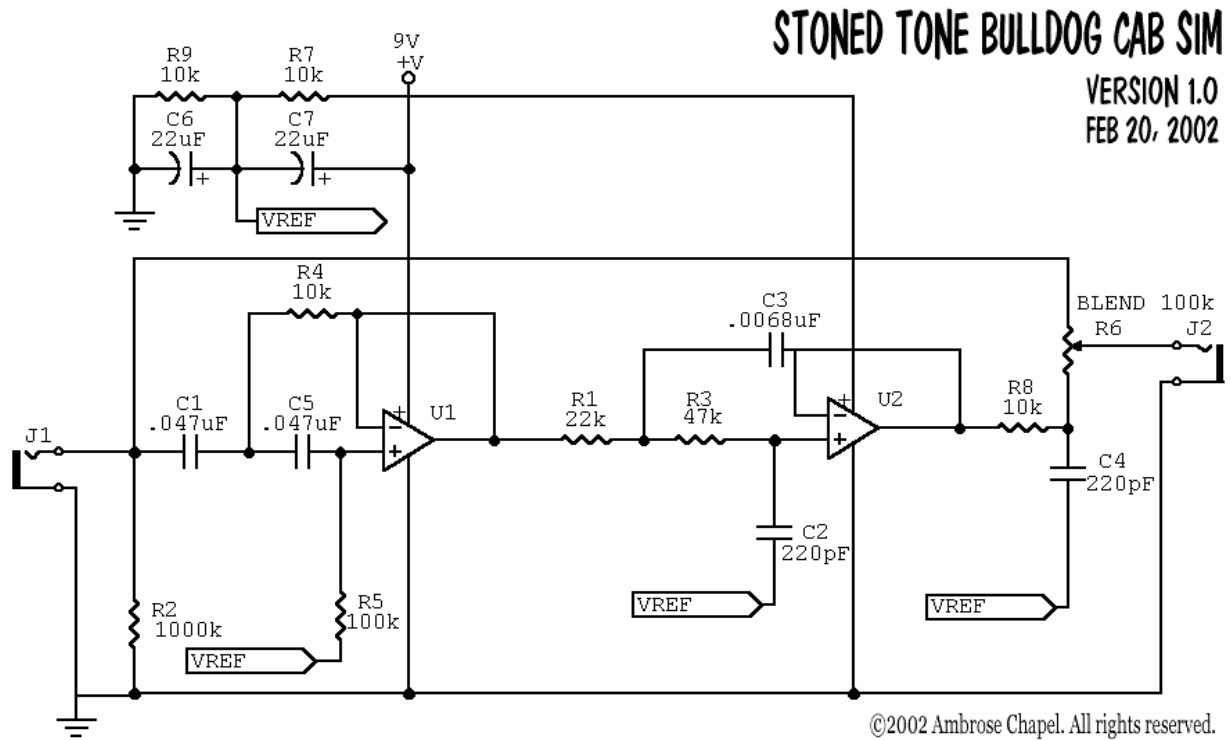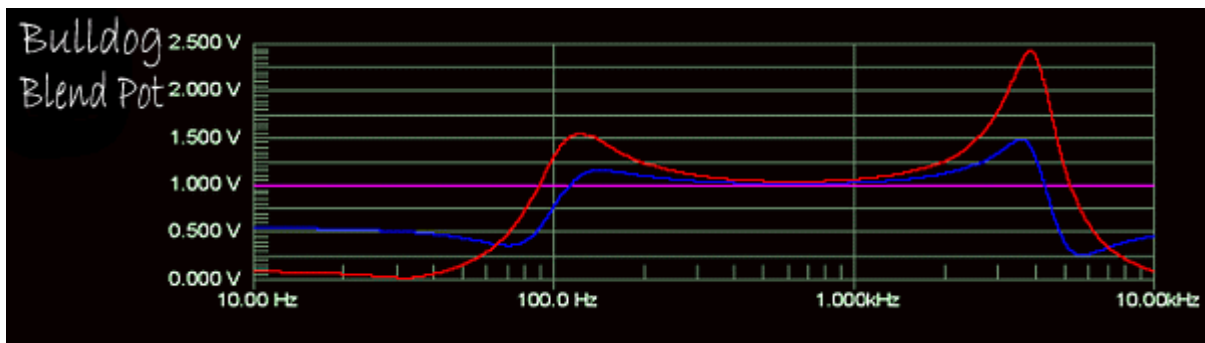# Bulldog Cabinet Simulator

I designed this for a upcoming project. My objectives were: keep it simple, low part count, common value components, for line level input and output. Oh and sound good
Here's the schematic:

STONED TONE BULLDOG CAB SIM
VERSION 1.0
FEB 20, 2002

Bypass switching etc. isn't shown or needed depending on your application. Just one control "Blend". It blends between the straight signal and the cab sim. Here's a frequency plot to illustrate(Purple - Unaffected signal, Blue - Blend at 50%, Red - Fully affected):

Possible Mods

Volume - This should be easy to figure out ;). You could also not use the blend pot...

Dual Power Supply - Just tie VREF to ground and -Vcc of the op amps to the negative supply.

Resonant Bass Boost - Change R4 to a different value or a pot. 33k will mostly flatten it. You don't want it lower than 6.8k or it'll start cutting bass. If you want to use a pot I'd use 25k in series with a 6.8k resistor. For a switch I'd just switch between 10k and 33k.

Other possible mods - you could totally redo the filters for one... send me a email if you come up with anything interesting =).