A-303 Operation procedure (amplification ratio 20x, max output +-200V, bandwidth DC-450 kHz)

1. Use oscilloscope to check the signal of the function generator to make sure voltage is between -10 volt and +10 volt, current is between -0.2 Amp and +0.2 Amp.
2. Check A303: DC Offset: off. (Note: Output voltage of A303 = AC voltage + DC voltage. If DC offset = 120V, AC signal in = 8V, output voltage of A303 = 8V x 20 + 120V = 280V, then A303 is gone.)
3. Check A303: Modulator: off.
4. Check A303: power: off.
5. Connect to load. (Note: don't change load while A303 is on.)
6. Turn on A303. (Max operation time 1 min. Otherwise you will burn A303.)
7. Turn on function generator (min -10V, max +10V) (Follow this on procedure, don't burn A303.)
8. Carry out your experiment. (Max operation time 1 min. Otherwise you will burn A303.)
9. Turn off function generator.
10. DC offset: off, Modulator: off.
11. Turn off A303. (Follow this off procedure, don't burn A303.)
12. If operation frequency of A303 is too high, the waveform may be distorted. You could turn on Modulator (AM or FM) to improve waveform. Or, you could lower the voltage to obtain the desired waveform. Voltage x frequency = constant)