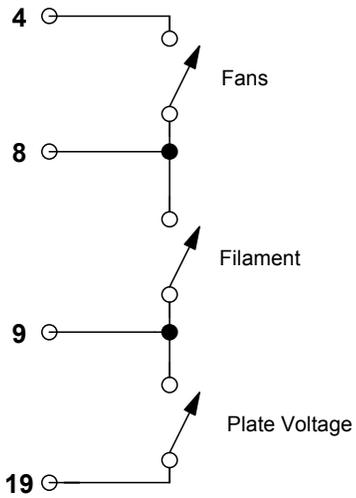
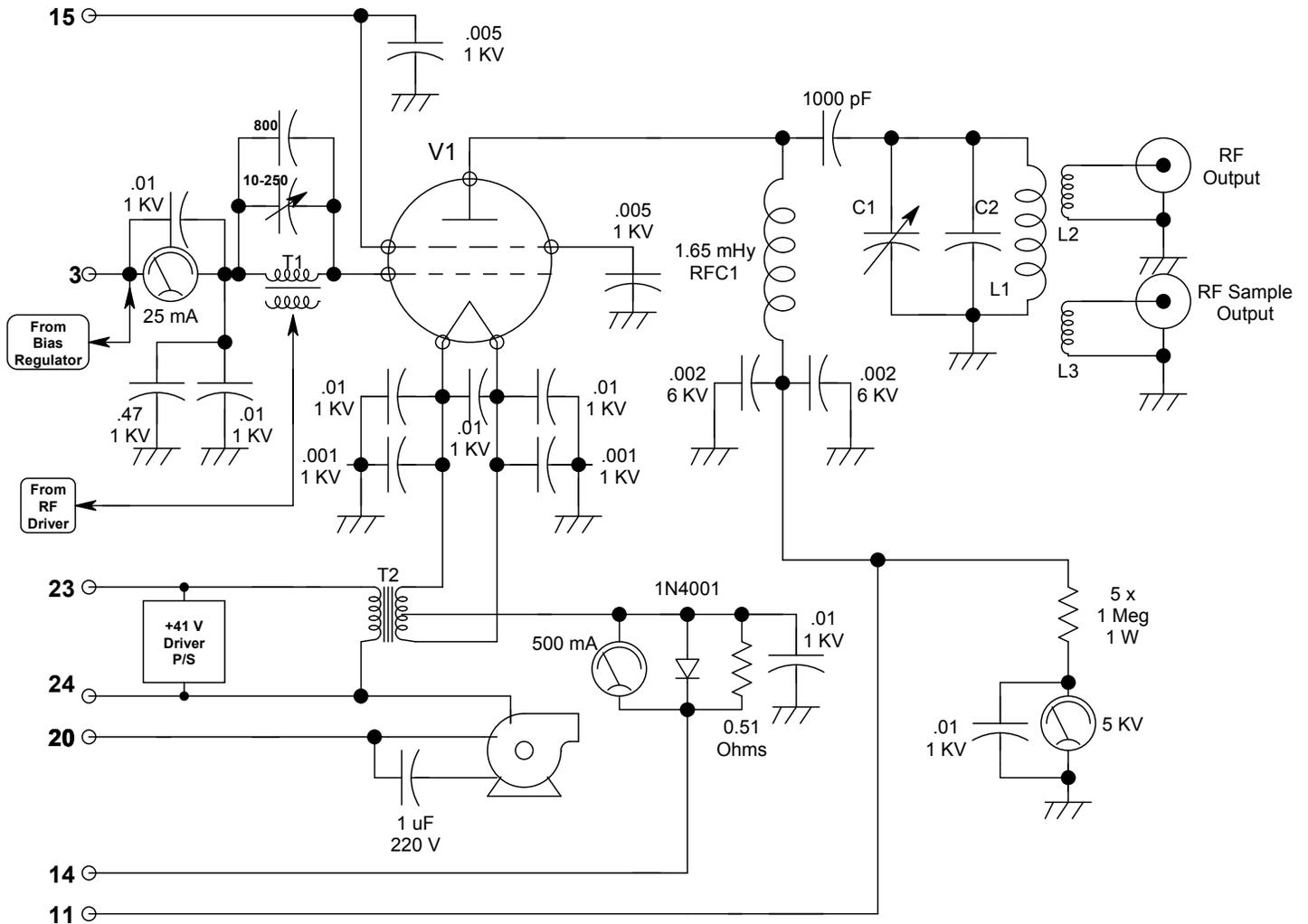


**500 KHz RF Power Amplifier**  
by W5JGV  
13 Dec 2008



- C1 - 50 - 300 pF 5 KV
- C2 - 50 pF - 5 KV Fixed Vacuum + 830 pF Mica, 10 KV
- L1 - 108 uHy - 24 turns bare #10 wire, double spaced.  
Coil Form - 5" Long x 8" Dia
- L2 - 8 turns #12 THHN wound over cold end of L1  
Coil is tapped every turn. 50 Ohm load at 6 turns.
- L3 - RF Sample Loop - 1 turn wound over cold end of L2.
- RFC1 - 1.46 MhY - #32 enameled copper wire wound to a length of 5.75" on a ceramic insulator which is 1" Dia x 6.75" Long
- T1 - RF Driver Transformer (See Driver Schematic)
- T2 - Filament Xfmr, 5 VCT @ 15A
- V1 - 4-250 or 4-400A