572B:
Vp = 1500V
Ip = 175 mA
Ig = 40 mA@Vg = - 70V
Vkmax = ~ 495V
Pin = 260W
Pout ~ = 150W
GLRT = 1750 ohms
RGL = 1500 ohms
IG metering resistor = 270 ohms

Modulator:
5, 4.7Meg resistors in dc Feedback path (Use long leads in case you have to short an individual res.)
1, 2.5Meg variable Bias (DC Operating Point) Set
1, 180k Gate-to-Ground
Feedback Gate Current Loop ~ = 21 uA
MKVdc ~ = 140Vdc; MKVaudio ~ = 180Vp-p (Based on Vp scaling).

Initial setup:
Bias and filament voltage should come up on Power-Up; Two DMM's monitoring VG and Vg.

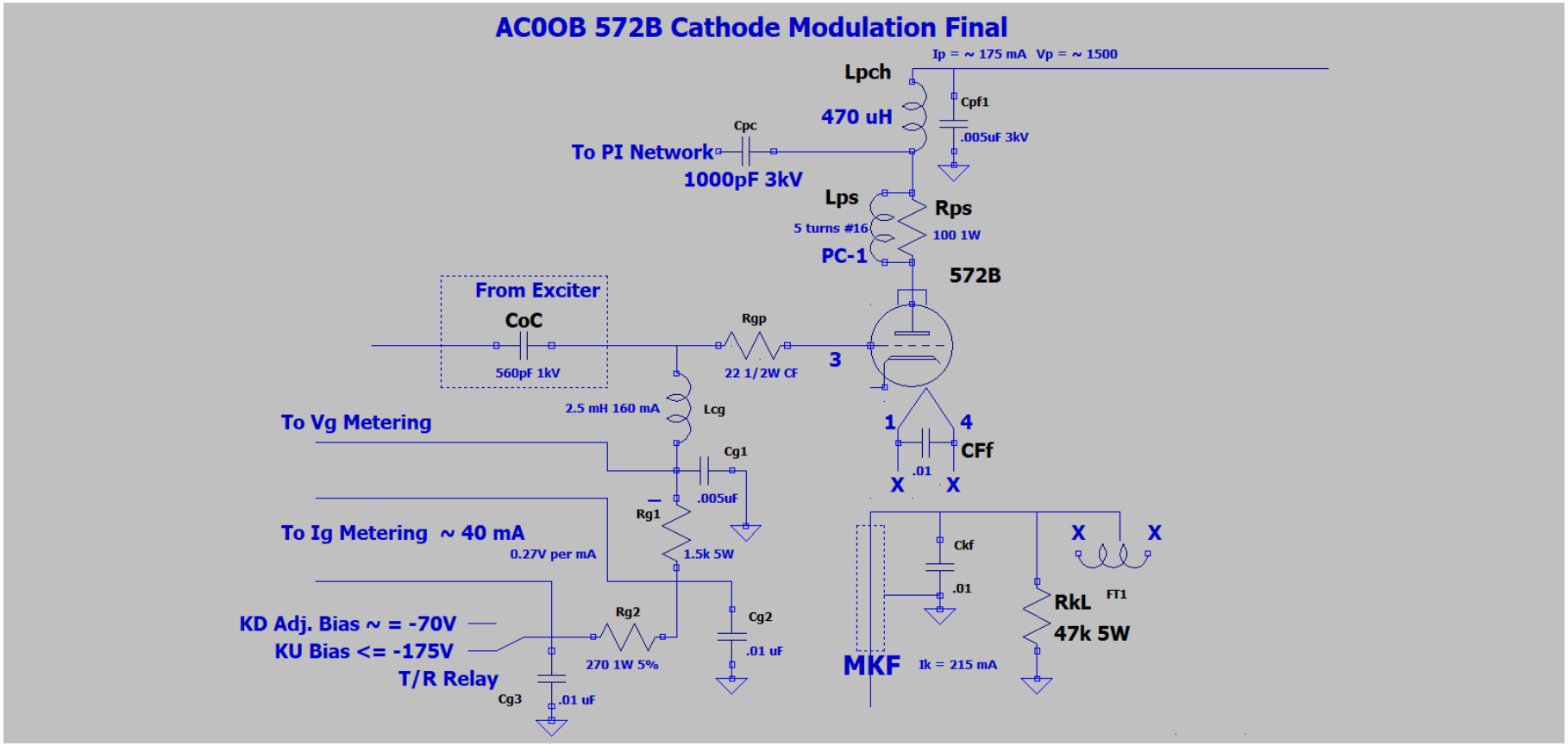
RV1 set to Max Resistance
Adj. Grid Bias Vg to -150V; initialize Vp

Decrease Adj. Grid Bias to Vg = -100V
Decrease RV1 to see increase of VG to 2.0V

Decrease Adj. Grid Bias Vg to -80V
Check VG voltage and Increase VG to 3.0V

Decrease Adj. Grid Bias Vg to -75V
Check VG voltage and Increase VG to 3.75V

Decrease Adj. Grid Bias Vg to -70V
Check VG voltage and Increase VG to ~ 4.25V; at VG ~ = 4.25 volts Modulator should be conducting.


AC0OB 572B Cathode Modulation Final
Ip = ~ 175 mA Vp = ~ 1500
Lpch
470 uH
Cpf1
.005uF 3kV
Cpc
To PI Network
1000pF 3kV
Lps
Rps
5 turns #16
100 1W
PC-1
572B
From Exciter
CoC
560pF 1kV
Rgp
22 1/2W CF
3
2.5 mH 160 mA
Lcg
To Vg Metering
1
4
CFf
.01
X
X
Cg1
.005uF
Rg1
1.5k 5W
To Ig Metering ~ 40 mA
0.27V per mA
Ckf
.01
X
X
FT1
RkL
47k 5W
KD Adj. Bias ~ = -70V
KU Bias <= -175V
T/R Relay
Rg2
270 1W 5%
Cg2
.01 uF
Cg3
.01 uF
MKF
Ik = 215 mA

AC0OB Cathode Modulator for HV Power Tube