

ALC line for Drake L-4B PA

By G8MNY

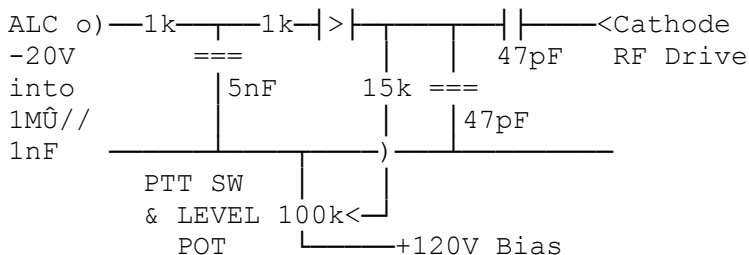
(Updated Mar 12)

(8 Bit ASCII graphics use code page 437 or 850, Terminal Font)

THE PROBLEM

The output is designed for a valve Tx, where the load impedance & voltage are much higher than for my IC735 which has larger cap on the ALC line. This causes the ALC to be too slow, & hence give bad audio reports. The use of the PA's ALC is desirable as there is an easy power adjustment on the PA's On/Off Volume control PTT switch.

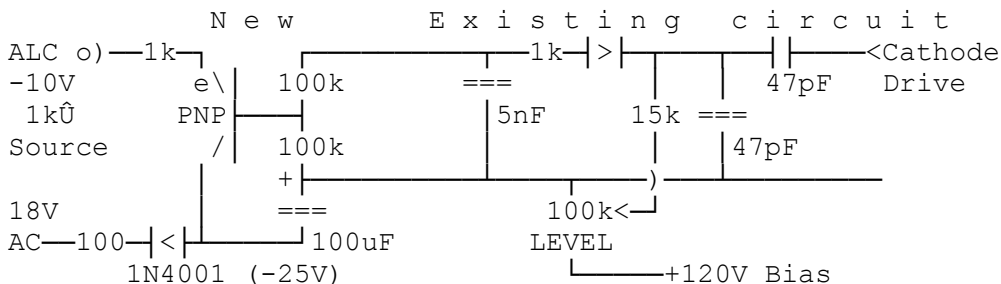
L I N E A R A L C C I R C U I T



This problem may occur with many Valve PAs driven from modern rigs!

MY CURE

I added a high impedance 2:1 attenuator to reduce the voltage into a PNP transistor emitter follower, (the resistors are located at transistor base as an RF stopper). It is powered by an negative rail derived from relay supply.



RESULTS

I have good audio reports now & at the touch of the PA's PTT control I can control if the PA is in or out & the power level, which makes tuning up much easier.

See my Tech bul on "PTT line for Drake L-4B PA" & "Power Factor of Drake L-4B PA"

Why Don't U send an interesting bul?

73 de John, G8MNY @ GB7CIP