DISS Overload

Main Index

Ratio of Supply I/Power output incorrect

Check diodes on 1A6 board.

DMM checks not reliable as may check good at dc but still be bad at 1Mhz.

Adjustment:

DISS Limiter:

a. Depress FILAMENT ON pushbutton switch.

b. Depress HIGH VOLTAGE ON pushbutton switch.

c. Adjust the desired output power. Modulate 100 percent with a 20 Hz tone.

d. Adjust DISS limiter sensitivity potentiometer 1A1A2R38 counter-clockwise until transmitter trips off. Adjust 1A1A2R38 clockwise one-sisteenth turn.

e. Depress HIGH VOLTAGE OFF pushbutton switch.

f. Depress FILAMENT OFF pushbutton switch.

Principle of Operation:

The Dissipation Limiter senses a change in the ratio of power out to power in. Should the input power to the transmittter increase (supply current) but the output power not follow, the modulator is turned off, causing the power amplifier plate voltage to cut off. With plate voltage off, the rf ouput power drops to zero. The recycle system is the same as with dc overloads.