

PV Test Results

April 2012

Line at 117 Volts

Standby TP68 500 Volts

**Run TP68 479 Volts
 TP67 484**

**TP19 262
 TP18 318**

**TP17 318
 TP16 440**

Bias Set at -39 Volts

Cathode Current each EL34/6CA7 40 mA

Frequency & Time measurements made using a Pico Technologies ADC216 Virtual Instrument fronted by a Pico Tech M1053 Differential Probe.

Made my own Bias Probe. There is a one ohm resistor inside the octal plug cover barely visible in the photo of the opened assembly. The leads connect to a voltmeter where one millivolt indicates one milliamp of cathode current. Forty (40) milliamps at 484 volts will keep the plate & screen dissipation at a safe level, totaling less than 20 Watts.

**At clipping this PV puts 110 Watts into a 16 ohm resistive load at 1000 Hz.
Power measured directly using a MetraHit 29S Precision DMM & Power Meter.**

THD measured by HP 334A

THD at 16 Watts was 0.9%

THD at 100 Watts was 2.8%