



# Penta Laboratories Electron Tube Service Report



For use with all Penta Laboratories Transmitting, Rectifier, and Special Purpose Tubes.

Tube type \_\_\_\_\_ Serial number \_\_\_\_\_  
 Tube date code \_\_\_\_\_ Date received \_\_\_\_\_  
 Date first tested \_\_\_\_\_ Date placed in service \_\_\_\_\_  
 Total hours in service \_\_\_\_\_ Date of failure \_\_\_\_\_

Make and model of equipment in which tube was operated \_\_\_\_\_

Describe the way in which the tube failed (i.e. unstable, low output, etc) \_\_\_\_\_

Description of defective operation at time of failure. \_\_\_\_\_

Was failure verified by a second test?  Yes  No

### Operating Conditions

(For Push-Pull or Parallel operation, state whether values are for one or more tubes)

	No Signal, Unmodulated or Key-up	Full Signal, Modulated or Key-Down	Stand-by
Filament Voltage <input type="checkbox"/> AC <input type="checkbox"/> DC _____	_____	_____	_____
Plate Voltage _____	_____	_____	_____
Plate Current (DC) _____	_____	_____	_____
Grid Voltage _____	_____	_____	_____
Grid Current (DC) _____	_____	_____	_____
Suppressor Voltage _____	_____	_____	_____
Suppressor Current (DC) _____	_____	_____	_____
Water Flow (Gallons per min.) _____	Temperature of outlet water _____		
Air Flow (CFM) _____	Temperature of outlet air _____		
Type of bias supply and series resistor value _____	_____		
Source of screen voltage _____	_____		
Class of service _____	Frequency _____		

### For Rectifier Tubes

Type of circuit \_\_\_\_\_  
 Maximum load DC output voltage \_\_\_\_\_ Maximum load DC output current \_\_\_\_\_  
 Type of filter (condenser or choke input) \_\_\_\_\_  
 Choke Reactance \_\_\_\_\_ Condenser \_\_\_\_\_ Mfds.

Customer Name \_\_\_\_\_ Company Name \_\_\_\_\_  
 Street \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Country \_\_\_\_\_ Postal Code \_\_\_\_\_