REVISION

4.0 Test Instructions

A. Feedback

1. Test A-1 applies only to the Group 2 cards.

   With the power supply in operation so that the nominal 20 volts appears between tabs 11 and 13, apply 10 volts between tab 8 (+) and tab 13 (-). Adjusting P647 (response) should vary the voltage between tabs 10 and 13 by at least 5 volts.

   Turn pot P647 full CCW and place a 10K load resistance between tabs 10 and 13. Adjusting pot P648 (stability) should vary the voltage between tabs 10 and 13 approximately from 10 to 20 volts.

2. Connect tabs 3, 14, 16, 18, 20, 22, and 26.
   With respect to this common connection, separately apply 20 volts DC to the following tabs and measure the following currents:

TAB	CURRENT (MA)			
17	107	to	131	(193X804ACG01 only)
	52.0	to	63.6	(193X804ACG02 only)
27	1.93	to	2.37	
25	1.16	to	1.48	
6	1.00	to	1.23	
24	.324	to	.398	
23	.180	to	.220	
31	.0758	to	.0928	

3. Apply +20V DC to tabs 5 and 9, keeping the common connection of test A-2. Disconnect the +20 and replace it with a 500K resistor. Observe the capacitor discharge with a scope sweeping at 1 sec/cm.

   Apply +20V DC to tabs 21 and 28. Disconnect the +20 and replace it with a 1 megohm resistor. Observe the capacitor discharge with a scope sweeping at 1 sec/cm.

B. Power Supply

1. Apply 104V AC to tabs 2 and 12. Place 75 ohms across the 6.3 volt secondary winding (tabs 7 and 15) and 1K across the output (tabs 11 and 13). The secondary voltage should be between 5.5 and 9.5 volts. The output voltage should be between 18.0 and 21.0 volts, and the ripple at the output should be less than 0.4 volts peak to peak.

   Changing the resistor across the output from 1K to 1.5K should not change the output voltage more than 0.1 volt.

2. Change the resistor across the output to 390 ohms. The secondary voltage should be between 5.5 and 9.5 volts. The output voltage should be between 17.5 and 21.0 volts.

   Changing the resistor across the output to 330 ohms should not change the output voltage more than 0.3 volts. The ripple at the output should be less than 1.2 volts peak to peak.

3. Repeat test B-1 and B-2 while applying 127V AC across tabs 2 and 12.

5E(BK)
5F(T)
5QC(5)
DEL 4

PRINTS T