REVISIONS

1.0 SCOPE NOTE: USE 300W light bulb as load.

These instructions cover the suggested procedure for production testing of the 104X201BA or .BB A. V. Exciter Subassembly, including a 193X219ACG01 printed circuit card. The operating conditions are stated in Section 3.

NOTE: IF YOU ARE ONLY trying to test 193X219 bd (as opposed to complete 104X201 BA)

2.0 INSTRUCTIONS Then you use the SMALL output module bd on pins 1-4 of test fixture. connect red wire from small bd to terminal 6 of 193X219 connect white wire to terminal 5 of 193X219 (gate leads)

2.1 Tests for 104X201BA assemblies. already taken care of in fixture

A. Check phasing per 224X307AA, Section 2.4A.

B. Connect inputs per 224X307AA, Section 3.1, using 134V AC, 60 Hz. between terminals 7-1.

C. Connect TABs A-B on card. Output voltage at 2-4 should read 480 ~~56 volts~~ DC ± 10%. with all pots in middle corner in corner of bd.

D. Remove TAB A-B jumper. Run MIN. FLD. R64 potentiometer fully counter clockwise. The output at 2-4 should be zero volts. Turning potentiometer clockwise should cause the output to increase smoothly with no snapping or hunting to about ~~35~~ 26 volts (not a critical value). Set potentiometer to give an output of 8.0 volts for other tests.

Procedure for 115V units

E. Reconnect TABs A and B. Set an input voltage of +8.0 volts DC at card terminals 11-12. Adjust crossover potentiometer until the output ~~4-5~~ reaches ~~50~~ 45 volts. Now, increase 11-12 voltage until the 4-5 output is 12 volts. Voltage at 11-12 should be 8.8 to 9.6 volts. 9.77

F. Now insert a negative voltage at terminal 11. Increase voltage until output at 2-4 is 12 volts. The value of the 11-12 negative voltage should be within ± .5 volts of the positive voltage reached during step E above.

G. Remove jumper from Tab A at the end of the test.

2.2 Tests for 104X201BB assemblies.

A. Check phasing per 224X307AA, Section 2.5A.

B. Connect inputs per 224X307AA, Section 3.1, using 460V AC, 3 phase, 60 Hz. between terminals 6-7 and 1.

C. Connect TABs A-B on card. Output voltage should read 270 ± 10% volts DC.

D. Remove TAB A-B jumper. Turn the MIN. FIELD potentiometer fully counter clockwise. The output at 4-5 should be zero volts. Turning the potentiometer clockwise should cause the output to increase to about 180 volts (not critical). There will be some deadband and a quick rise from zero to about 35 volts. Control from 35 to 180 volts should be smooth and show no snapping or hunting. Set output at 50 volts for remainder of tests.

5E (BW)
5F (T)
5QC (2)

PRINTS TO