REVISION

1.0 SCOPE

These proceedures cover the minimum requirements for production testing of the subject card. The operating conditions are stated in Sec.3. For engineering spec refer to 224X360AA.

2.0 INSTRUCTIONS

2.01 Before applying power to card, check fuses and add an ammeter at each raw power input.

2.02 Voltage to the transformer should be slowly increased to 115V AC. Ammeters should not register any current in excess of 0.1 amperes.

2.03 With loads of 28.6 ohms (0.7 ampere) connected across each output the output voltages shall be "trimmed" to values from 19.90 to 20.07V DC. Important: Trim the positive supply first.

2.04 Reducing the load from the level of 2.03 to zero shall cause an output change of no more than 30 millivolts.

2.05 Vary the AC input to the transformer from 94V to 138V AC. The output level should vary no more than 30 millivolts.

2.06 With the loads of section 2.03 applied and AC inputs at either of the extremes of section 2.05, output ripple shall be no more than 30 millivolts peak to peak.

2.07 Disconnect all loads and card fuses. Connect a 100 ohm, 20W resistor between tabs 21 and 26 and a second resistor between tabs 8 and 10.(1) While monitoring the +20V output, slowly increase the AC supply. Note the level at which the crowbar network operates. This level should be between 21 and 30V DC. After the crowbar has tripped the -20V output should be at less than 1 volt.

(1) Connect tab 26 to tab 31.

2.08 Disconnect tab 26 from tab 31 and connect tab 8 to tab 2. Repeat the above for the negative crowbar network.

3.0 CONDITIONS

The above tests should be made with the card connected as per Figure 1 of 224X360AA at an ambient temperature of from 20 to 30°C. A warm-up time of about 10 seconds should be allowed before adjustment begins. Line impedance between transformer and rectifier card should not exceed .075 ohm for this test. Impedance between rectifier card and power supply card not to exceed 0.25 ohm. The test circuit should contain a rectifier card 193X268AA which meets its test spec; 224X706. The test circuit transformer should be 104X156CA005.

4.0 REQUALIFICATION

The subject card should be requalified by Quality Control every eighteen months or after every 2000 production cards, whichever occurs first.

2HC 2.07 + 2.08 3-27-74

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