AG500 TEST PROCEDURE	18 MAR, 2005	
Part 1: Quality Assurance		
Step	QA Check	Action
1	MOSFETs	Using feeler gauge, check that MOSFETs are flush gainst ceramic substate, and that substrate is flush against heat sink
2	Thermal switch	Verify that thermal switch termals are tight and that yellow wires do not touch heat sink
3	Knobs	Verify all knob position
4	Switches	Verify all switches function mechanically
5	LED lenses	Verify all LED lenses are flush with faceplate
6	AC jumpers	Verify AC jumpers on AG5JK are configured correctly for the target AC voltage
Part 2: Adjustments and Functional Test		
All AG500 AC cords go to power strip. Power strip goes to variac. No other cables connected		
Step 1: Voltage test	AG500 AC cord in power strip and power strip to variac	Slowly variac unit up to the target voltage .NOTE VARIAC NEEDLE SHOULD NOT MOVE
Step 2: Trim offset at TP1	Step 3: Trim offset at TP2	Step 4: Short thermal switch
Action: Adjust multiturn trimmer R203	Action: Adjust trimmer VR1009 using special tweaker	Action: Short thermal switch with neeedle nose pliers
Specification: 0VDC +/- .005V	Specification: 0VDC +/- .300V set as close to 0 as possible	Specification: Operate light goes off status light flashes