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Power Amplifier Tuning Sequence  
(AN/TSC-60(V)2)

	Lights	
	23	24 25
Tune Step 1: Ready to Tune Power Applied, Vents open. Control on, Filament on, Plate on (after 30 seconds). Must have 600Ω or less, D.C. to ground for antennae continuity. Must have RF applied, (but will not be used).	●	0 0
Tune Step 2: Coarse Tune RF applied, not used, (must have D.C. continuity). Key command. All servos driven to coarse position, then stop until next step. 20 second tune timer starts.	● ●	0
Tune Step 3: Fine Tune 1 All servos must have stopped moving, to proceed. Amplifier, Driver and P.A. tube current enabled. IGC enabled. TGC enabled. 0 to -10 VDC potential. Loading servo disabled so P.A. plate can tune. Load resistors placed on output to dissipate 1000 watts. Once P.A. plate has tuned, system will advance to next step.	0 ●	0
Tune Step 4: Fine Tune 2 Loading servo enabled. All servos must null. RF probe command must generate and produce RF from 100 to 300 watts, at 1000 watts tune power. If a coupler is enabled, it must now show a Tune Complete.	0 ● ●	
Tune Step 5: Fine Tune 3 Same as Step 4.	0 0	●
Tune Step 6: Full Power Trim Tune resistors are removed. TGC switches to ALC. Tubes are allowed to amplify to Full Power, (2.5 to 2.8 Kwatts). 6a. Operate Request. Has exciter finished tuning with TGC. Has coupler finished tuning for high power. If Yes, and timer has not timed out, system goes to next step.	● 0	●
Tune Step 7: Operate All systems GO	● ● ●	