



May 21, 2002

To whom it may concern:

The Tuning procedure for the 300T is as follows:

216-677 300T TUNE PROCEDURE

1. PLACE A CAPACITOR SUBSTITUTION BOX ACROSS C52.
2. APPLY 9VDC TO THE BATTERY TERMINAL ON THE UUT. GROUND THE OTHER BATTERY TERMINAL.
3. INSTALL BROADCAST ANTENNA (THIS ANTENNA WILL BE PERMANENTLY MATCHED TO THE UUT) IN TEST FIXTURE AND PLUG ITS CONNECTOR INTO J5.
4. TURN THE UUT ON AND PLACE IT IN HIGH OUTPUT BROADCAST MODE.
5. MONITOR THE WAVEFORM AT TEST POINT 65 (TANK VOLTAGE).
6. INCREMENT THE CAPACITANCE DECADE BOX FROM 0, IN STEPS OF 100PF UNTIL THE MONITORED WAVEFORM IS 400VPP+/- 5%.
7. THE OVERALL CURRENT DRAW FOR THE UUT AT THIS POINT MUST NOT EXCEED 780MA.
8. REMOVE POWER FROM THE UUT.
9. REMOVE THE CAPACITANCE DECADE BOX FROM THE UUT.
10. INSTALL A CAPACITOR IN LOCATION C32 THAT IS THE SAME VALUE AS THE VALUE DERIVED FROM THE DECADE BOX.
11. REAPPLY POWER TO THE UUT. ENSURE THAT THE MONITORED WAVEFORM AND OVERALL CURRENT DRAW IS ACCEPTABLE AS PER STEPS 6 AND 7.
12. PACKAGE THE UUT AND ANTENNA TOGETHER, THEY WILL BE PERMANENTLY PAIRED WITH EACH OTHER.

Sincerely,

A handwritten signature in black ink that reads "Mike Campbell".

Mike Campbell
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