TROUBLESHOOTING CHART	
1. Receiver section dead.	a. Faulty tubes - check V1, V2 and V3 voltages. b. Wiring error - recheck wiring. c. Faulty speaker or speaker ground - check speaker voice coil.
2. Receiver section weak.	a. Faulty tube - check V1, V2 and V3 voltages. b. Regeneration control not sufficiently advanced. c. RF or detector coils misaligned. d. Faulty antenna or connecting cable.
3. Transmitter appears dead.	a. Faulty tubes - check V4 and V5 voltages. b. Wiring error - recheck wiring. c. Transmitter section coils mistuned - recheck tuning. d. Dummy load shorted or open - recheck. e. Antenna mismatch - recheck antenna installation.
4. Power input to final amplifier too high (over 6 watts), or too low (less than 4 watts).	a. Faulty tube - check V4 and V5 voltages. b. Wiring error - recheck wiring. c. Transmitter section misaligned - recheck tuning procedure. d. Faulty meters - recheck meter readings. e. High or low activity crystal - substitute another crystal for comparison check. f. B+ voltage too high or low - checkpower supply voltages. Check for leaky capacitors, open or shorted resistors, at the power supply. Check transformer voltages.
5. Strong signal from transmitter but no modulation.	a. Faulty microphone or connections - recheck. b. Faulty tubes - check V1 and V2 voltages. c. Wiring error - recheck V2 and V2 wiring. d. Shorted RFC6 to ground at mike connector - center in connector opening.
6. Weak transmitted signal.	a. Faulty antenna - check. b. Shorted or open connecting cable - check. c. Poor antenna location.
7. Low power supply voltages.	a. Low line voltage - check. b. Leaky filter capacitors - check. c. Error in dropping resistor values or wiring - check. d. Faulty transformer - check voltages.
8. Modulation hum.	a. Power supply filter capacitor ground connection ungrounded - resolder. b. Faulty tubes - check V1 and V2. c. Open grid circuit connection - check wiring and soldering of V1 and V2.
9. Cathode current of final amplifier higher than normal.	a. Check the tuning of all transmitter coils for proper resonance and alignment.