

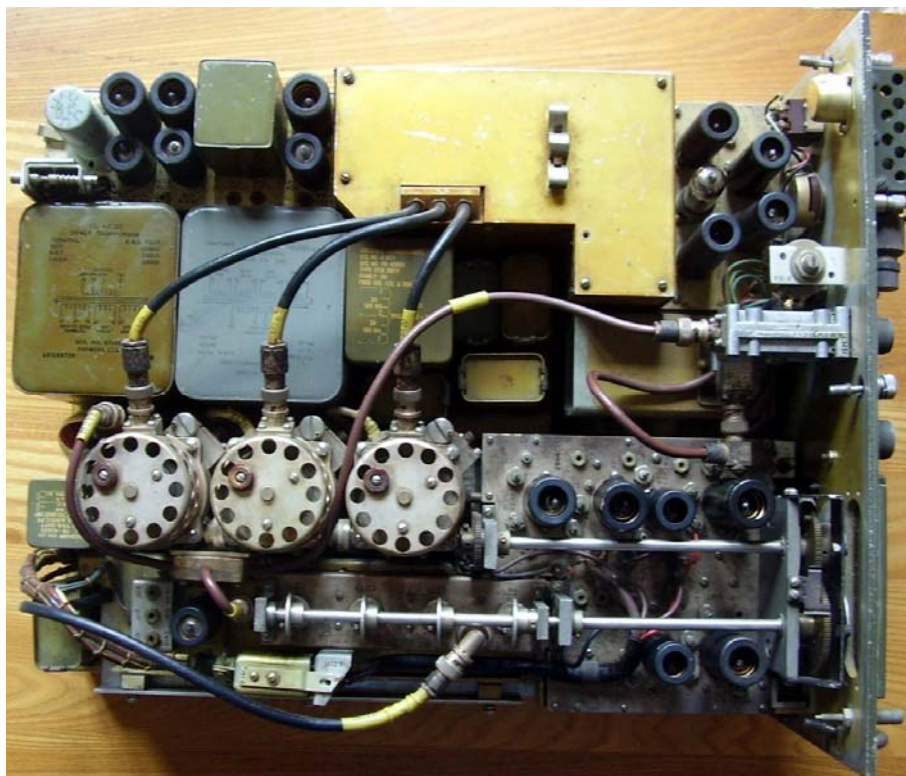
RT-264A/UPX-6X - IFF Transponder



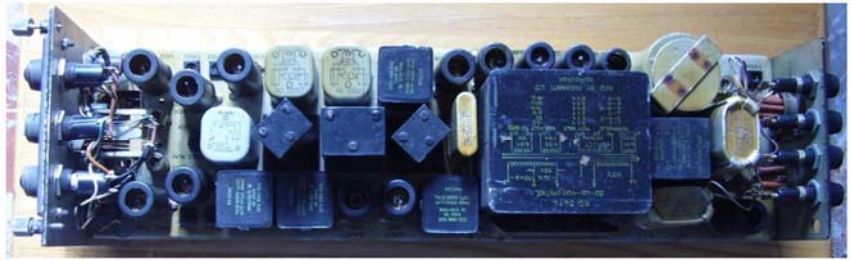
Radio receiver and transmitter of the IFF / SIF AN/TPX-41 interrogator set, part of radar system AN/FSQ-84 with the radar set AN/FPN-40. 200 mi, 322 km range.

990 to 1040 MHz frequency range, crystal controlled. Pulse modulation. Three [2C39](#) tubes generate 1.5 kW output pulses across 52 ohms. 60 MHz receiver IF frequency, 5 to 11 MHz bandwidth.

117 V single phase.



- Internal view. The 2C39 power triodes are in the three shielding cans at bottom left.



- The UPX-6 Coder generates the challenge pulse sequences.