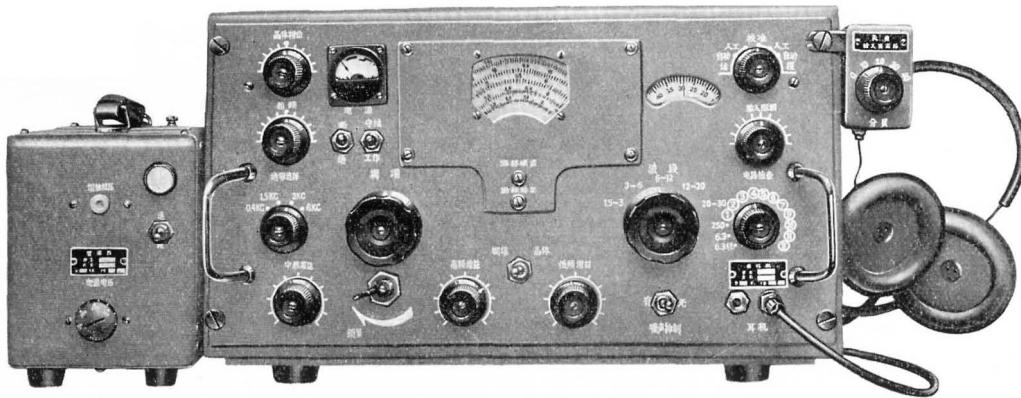
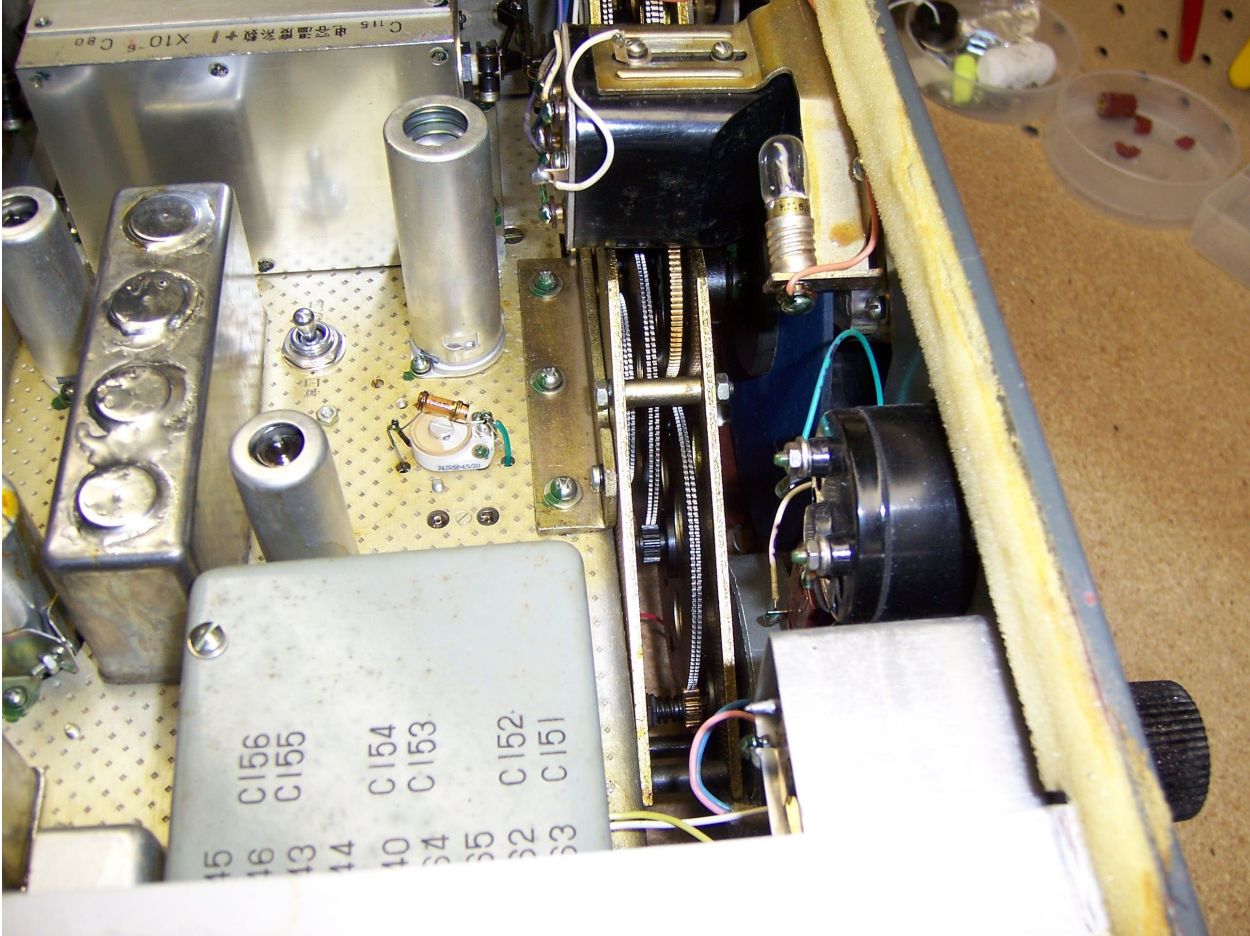


# 二级通用短波收音设备 技术说明书

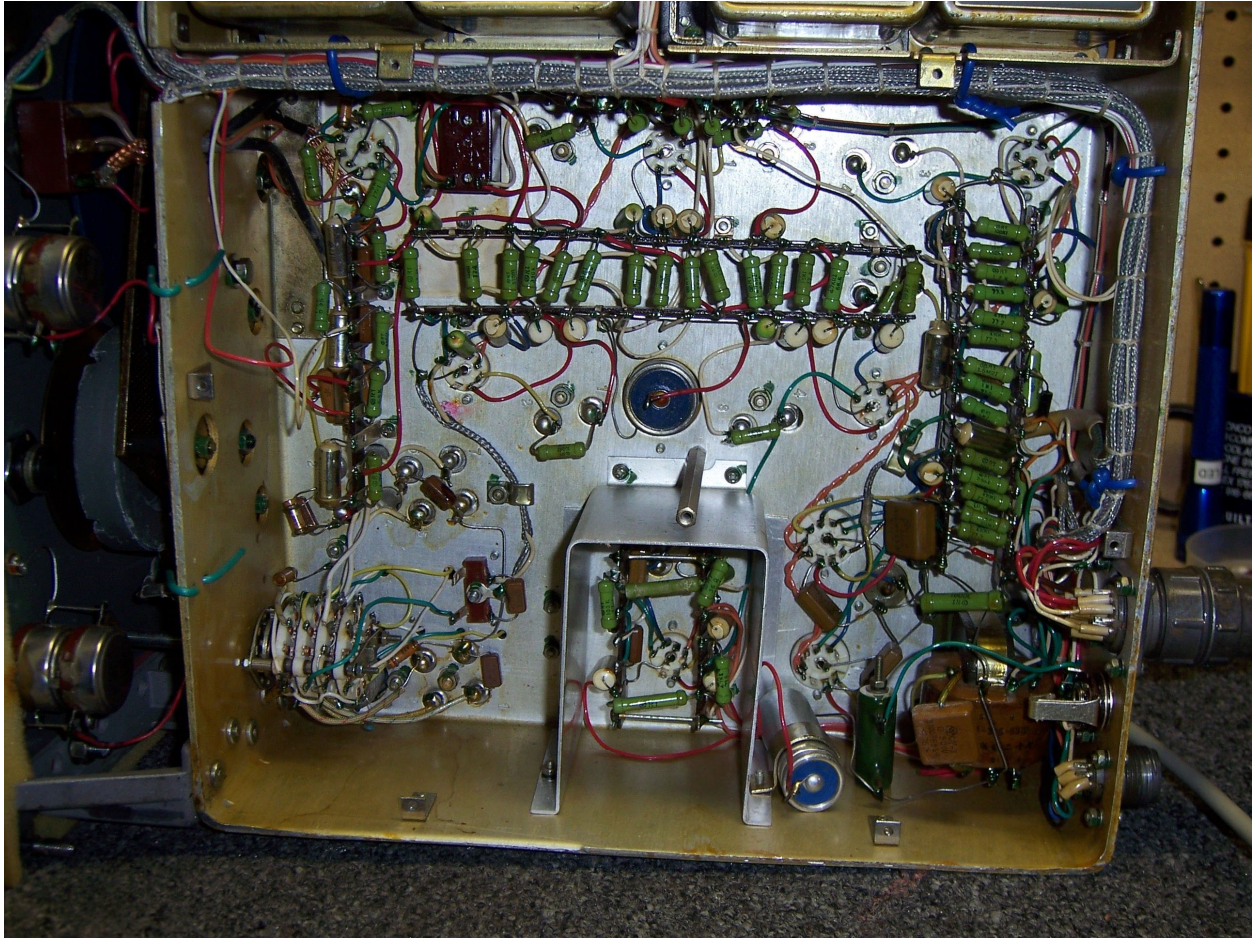


The cover of the Chinese manual showing a photo of the complete 222-1 receiver setup.

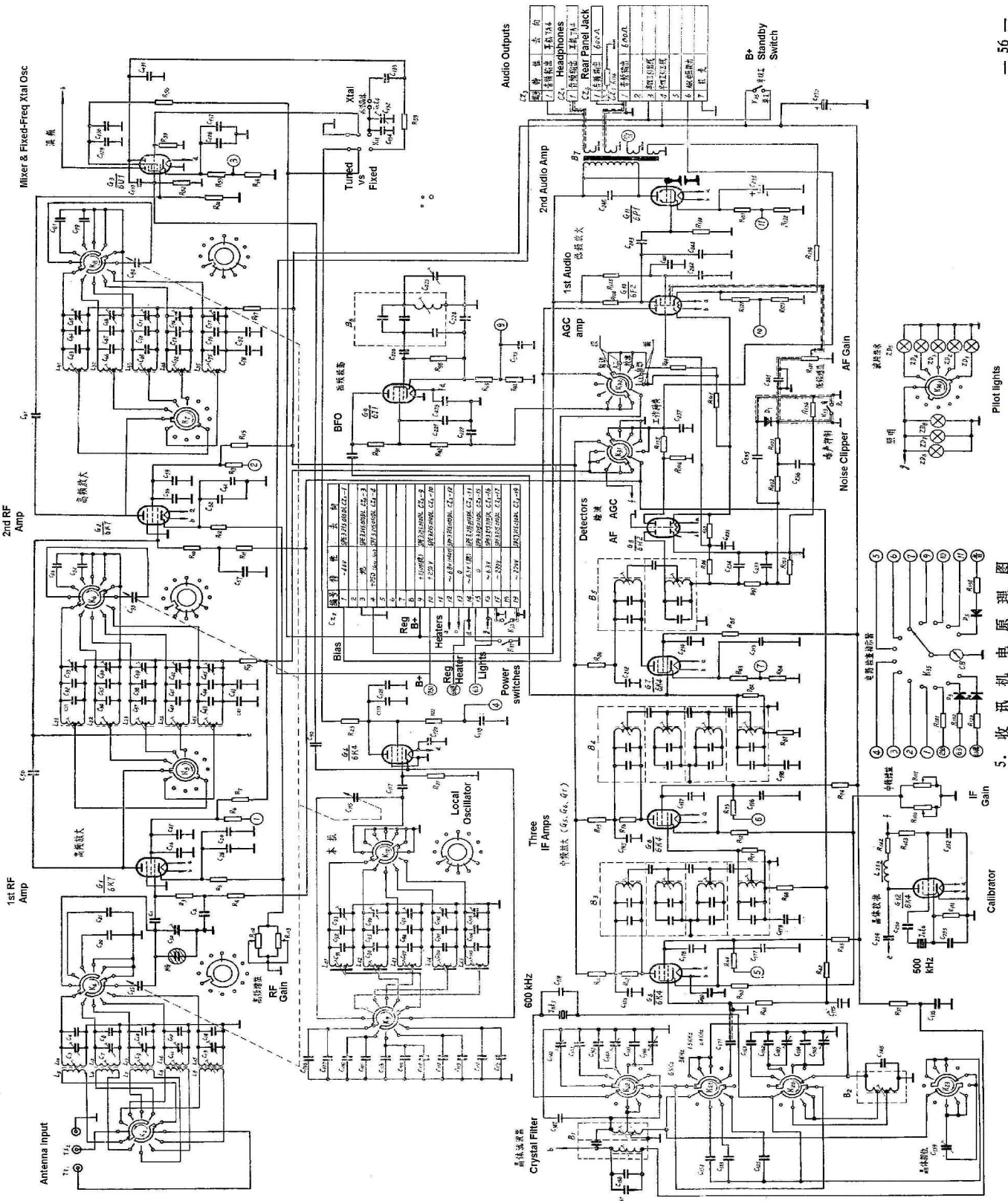


The tuning mechanism showing the flywheel partially visible at the bottom and the split gearing, which gave the receiver smooth and accurate tuning.





The bottom view of the 222-1's IF section with the cover removed.

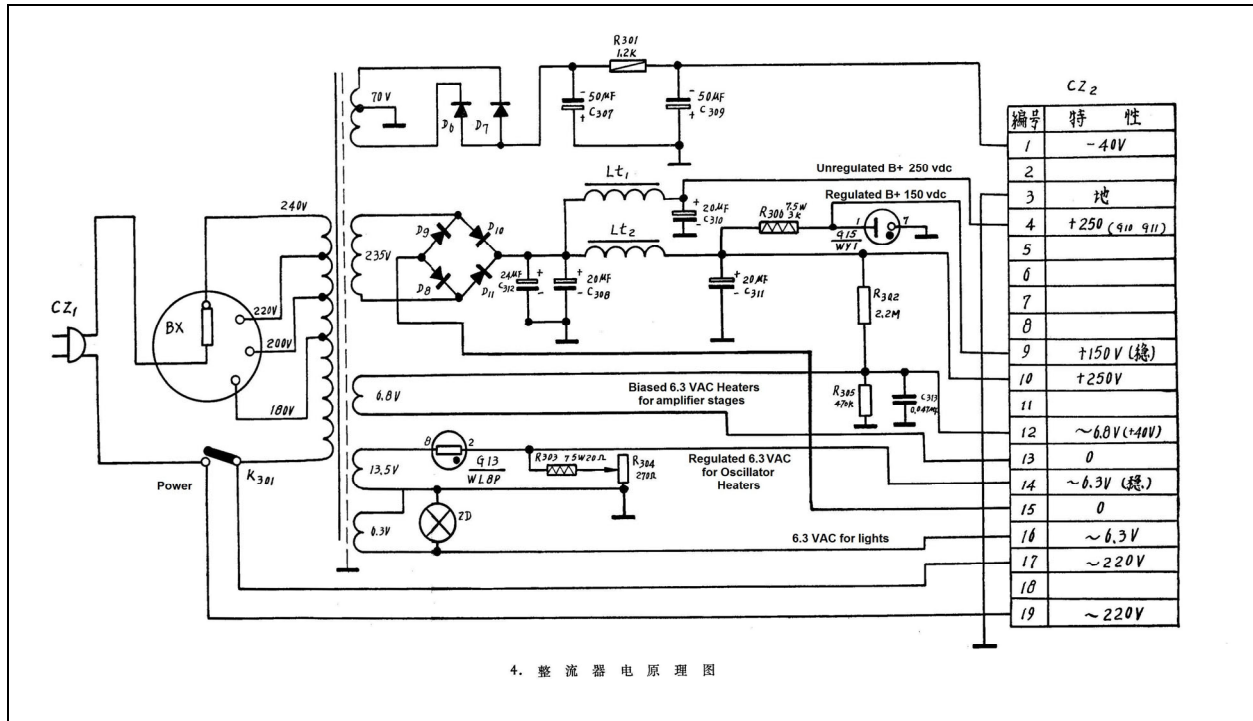


5. 收音机原理图

Circuit Check - Metering Switch

The schematic diagram for the 222-1 receiver.





The schematic diagram for the 222-1 power supply.

The 222-1 receiver's multimeter switch positions:

- Regulated Heaters
- Other Heaters
- B+ Plate Voltage
- 1 — 1st RF Amp Ik
- 2 — 2nd RF Amp Ik
- 3 — Mixer Ik
- 4 — Local Osc Ik
- 5 — 1st IF Amp Ik
- 6 — 2nd IF Amp Ik
- 7 — 3rd IF Amp Ik
- 9 — BFO Ik
- 10 — 1st AF Amp Ik
- 11 — 2nd AF Amp Ik
- Audio Output

Base diagrams and US equivalencies for the Chinese vacuum tubes used in the 222-1.

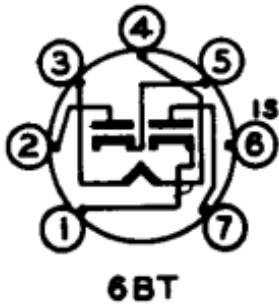
### Chinese 6K4

(6BA6 — remote cutoff pentode)



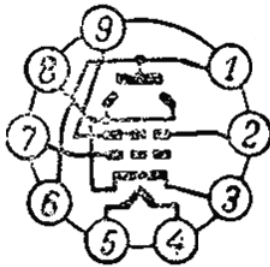
### Chinese 6H2

(6AL5 — dual diode)



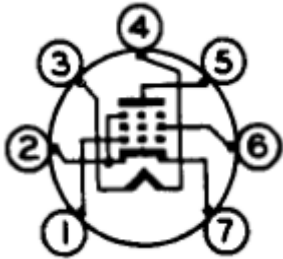
### Chinese 6P1

(Beam tetrode similar to the 6AQ5 but using a 9 pin base)



### Chinese 6J1

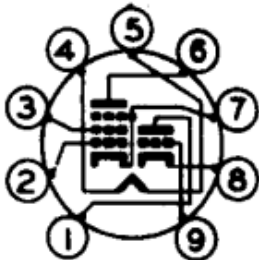
(6AK5 — sharp cutoff pentode)



**7BD**

### Chinese 6F2

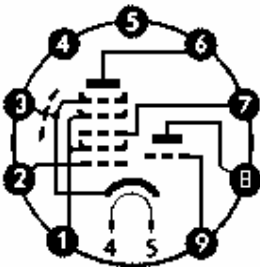
(6U8 — medium-mu triode/sharp-cutoff pentode)



**9AE**

### Chinese 6U1

(6AJ8/ECH81 — triode/heptode pentagrid converter)



Chinese 6K7  
(Similar to the 6AH6 or 6AK6 — pentode)

