

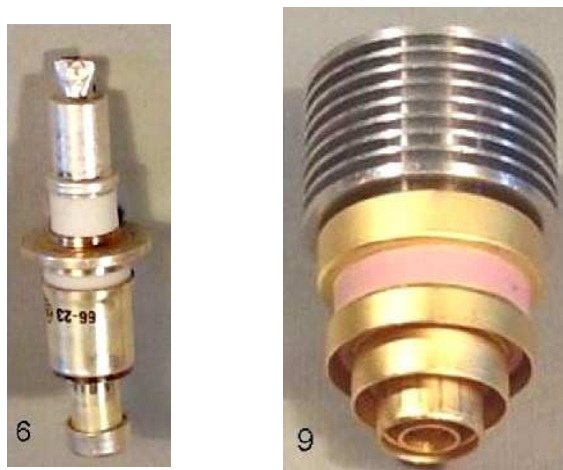
Tubes in the ARC 51 BX 11 tubes of 6 different types

Receiver and local oscillator



1. **6205 Sharp cutoff pentode** (= 6AK5 with separate g3)
3. **6299 low-noise triode** amplifier usable up to 3GHz (do not connect getter ring)
4. **7554 cermet pencil triode** was intended as power amplifier up to 5GHz; 2.5W at 2.5GHz
5. **7077 cermet planar low-noise triode** usable up to 7.5GHz.

Transmitter tubes



- 6 **6442 rugged ceramic triode** usable up to 5GHz; 2KW peak out at 3.5GHz.
- 9 **6884 output tetrode** capable of operation up to 2GHz; 115W Pa similar to the 6816 but has 26.5V heater

	<u>V1</u>	<u>V2</u>	<u>V3</u>	<u>V4</u>
UHF receiver preamplifier	6205	6299	7554	
Harmonics Generator	7077	7077	7554	7554
Power amplifier	7554	6205	6442	6884

These 3 (UHF) modules have no transistors. Total 11 tubes of 6 different types
 The other 6 modules have only transistors, no tubes.

Heaters: **6205** 0.15A; **6299:** 0.3A; **7077** : 0.24A; **7554:** 0.225A; **6442:** 0.9A , all at 6.3V, and 0.52A at 26.5V for the **6884**.