



Mk.V'2  
Country of origin:  
England

**DATA SUMMARY**

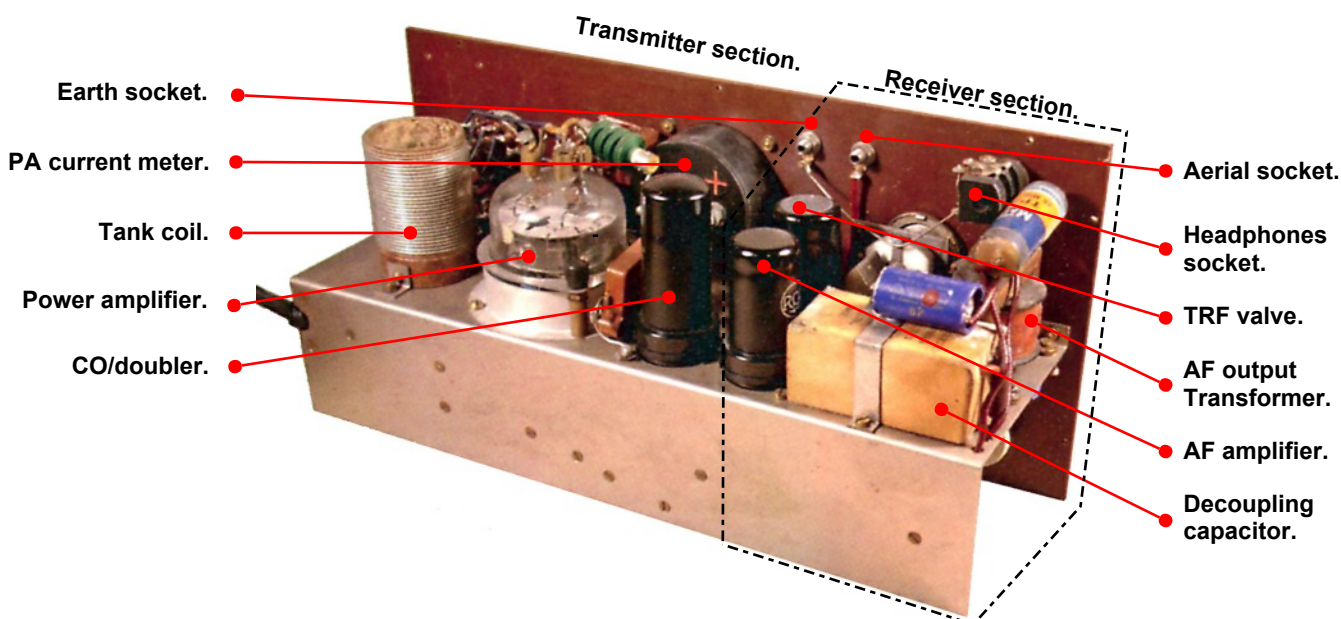
**Organisation:** MI6 SIS.  
**Design/Manufacturer:** SIS Section VIII, Whaddon Hall / Little Horwood workshops.  
**Year of Introduction:** Believed 1943/44.  
**Purpose:** Mobile SIS units, resistance, SOE.  
**Transmitter:**  
**Circuit features:** CO/doubler, RF output. CW only.  
**Freq Coverage:** 3.5-13MHz in three switched bands: 3.5-7MHz, 6.5-8MHz and 8-12MHz.  
**RF output:** Estimated 20-25W.  
**Valves:** 6V6, 832.  
**Receiver:**  
**Circuit features:** TRF with regenerative detector, AF output.  
**Freq. Coverage:** 3.5- 16MHz in two switched bands: 3.5-7.5MHz and 7-16MHz.  
**Valves:** 6SK7 (2x).  
**Power Supply:** Separate 100-250V AC mains power unit.  
**Size (cm):** Height 13, length 14, width 30.5 (Estimated).

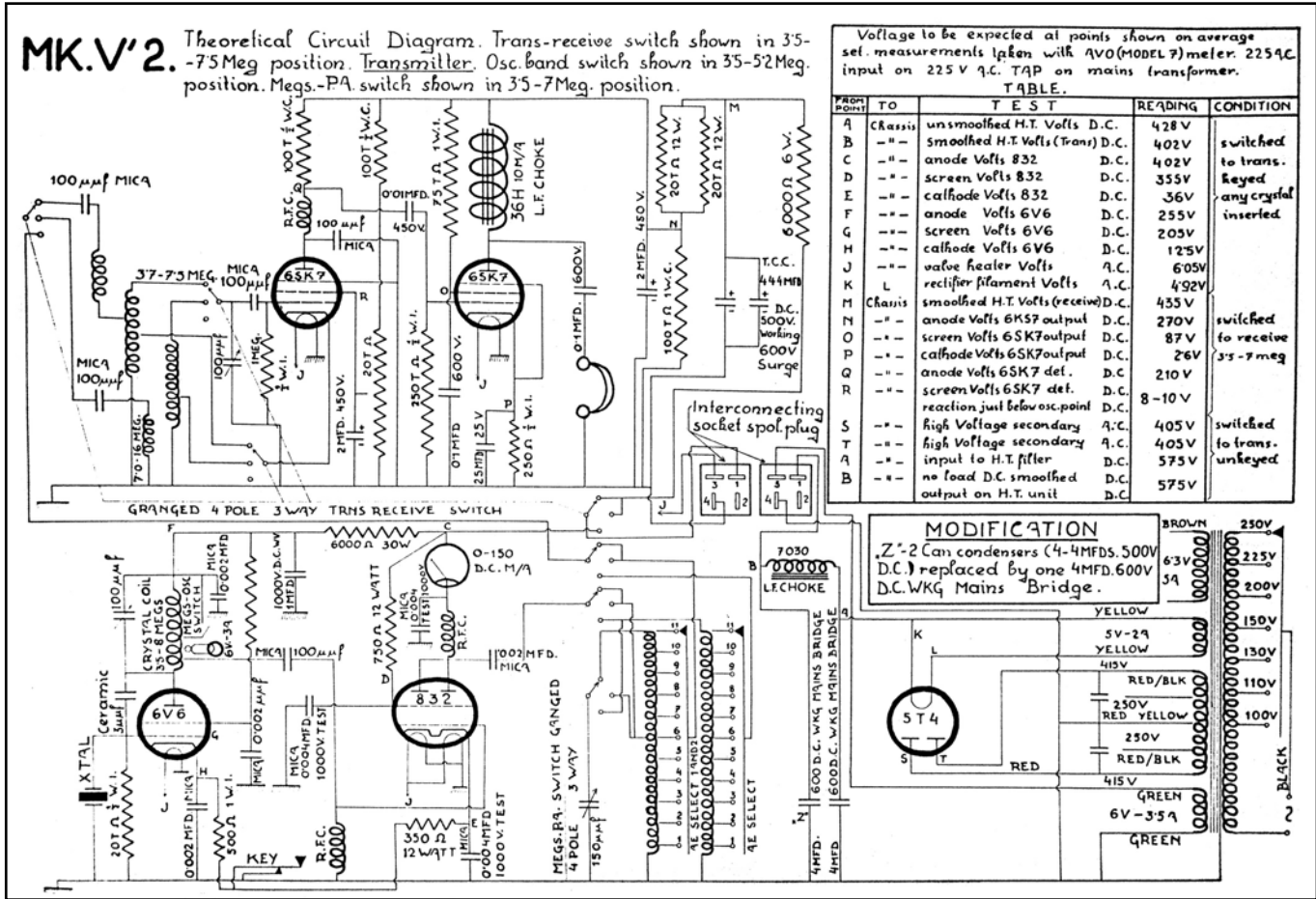
**REMARKS**

The Mk.V'2 was a high power CW transmitter-receiver, developed and produced by SIS ; recorded was its use by SIS and SOE (resistance). The set in the photos of this chapter was used in WW2 in Czechoslovakia for communication to London. It is believed that this set was the last variation of the Mk.V models, built as a compact single unit, without the awkward plug-in coils, a transmitter design almost similar to the earlier variations, and omitting the RF amplifier in the receiver section. The Mk.V'2 required a separate AC mains power supply, or possibly a 6V battery powered supply unit as used with the Mk.XV and Mk.16. The construction and front panel layout of the latter were probably based on the Mk.V'2, but using a separate receiver with (again) incorporating an RF amplifier, most likely to avoid RDF location caused by radiation of the regenerative detector. It is not confirmed whether the Army Key W.T. 8 Amp No. 2 Mk.II shown on the photo above was originally issued with the Mk.V'2.

**References:**

- Historie Sprojovaciho Voiska, M. Burian, J. Rýc, Prague 2007, ISBN978-80-7278-411-1.  
 - With thanks to Alois Veselý and Jan Lexa, Czech Republic.





Circuit diagram of Mk.V'2 with associated AC mains power supply unit.

The Mk.XV and Mk.16 transmitters (top and bottom right) were identical. They resemble the Mk.V'2 depicted in this chapter. The associated receiver (below) was issued with either Mk.XV and Mk.16.

Mk.XV and Mk.16



For more detailed information and circuit diagrams see the Mk.XV section in the 'Great Britain' Chapter of WfTW Volume 4.