



S 85/14
Country of origin:
Germany WW2



The S 85/14 was in combination with its companion receiver E 75 (left), known as SE 85/14.

DATA SUMMARY

Organisation: OKW Amt Ausland, Abwehr.
Design: Abt li, OKW_Aussenstelle Berlin-Stahnsdorf.
Manufacturer: Stahnsdorf until 1942, OKW Aussenstelle Wurzen from 1942 onwards.
Year of Introduction: Probably 1938-39.
Purpose: Agents, mobile front reconnaissance forces.
Transmitter: S 85-14.
Circuit features: Crystal controlled oscillator. CW only.
Frequency Coverage: 3-8MHz. (Other ranges were noted).
RF output: 14W.
Valves: EL 5 or AL5. AZ11 rectifier.
Associated receiver: E 75.
Power Supply: Internal AC Mains power unit. 110-220V.
Size (cm): Height 10, Length 20, Width 10.5
Weight: 4.9kg.
Accessories: Headphones, Morse key, crystals, aerial and counterpoise wire.

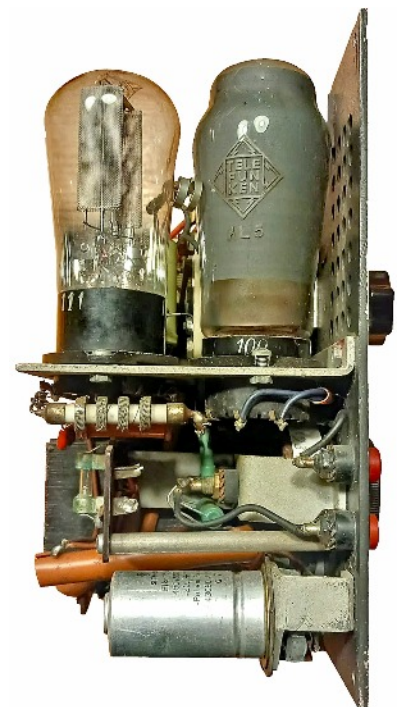
This Supplement Chapter is a follow up of the SE 85/14 section in the 'Germany up to 1945' chapter of WftW Volume 4. In the circuit diagram of page SE 85/14 -3 there should be made a connection between minus HT to the circuit ground.

REMARKS

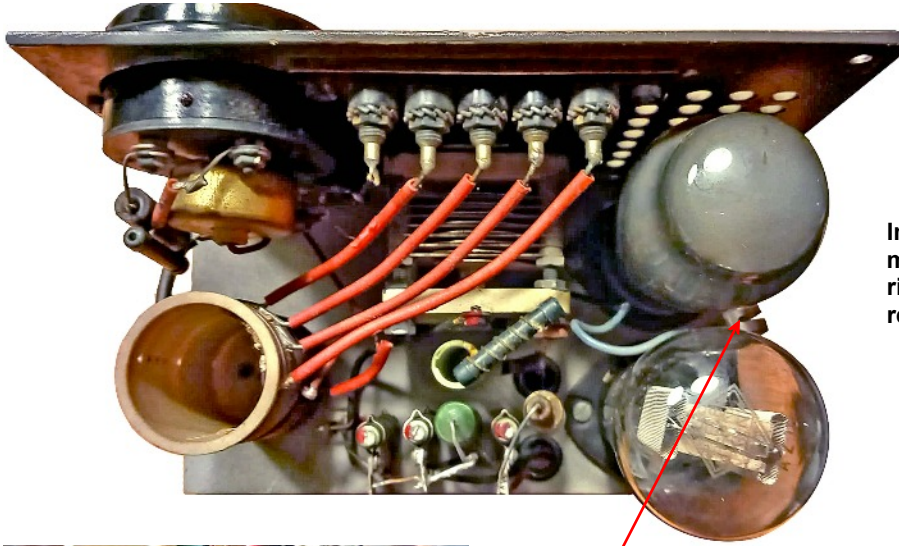
The S 85/14 was a stand alone shortwave transmitter used with a separate receiver. It was primarily used by agents and mobile front reconnaissance groups. With its associated receiver E 75, and carried in a suitcase, the station was known as SE 85/14. For more information, see the SE 85/14 section in WftW Volume 4.

References:

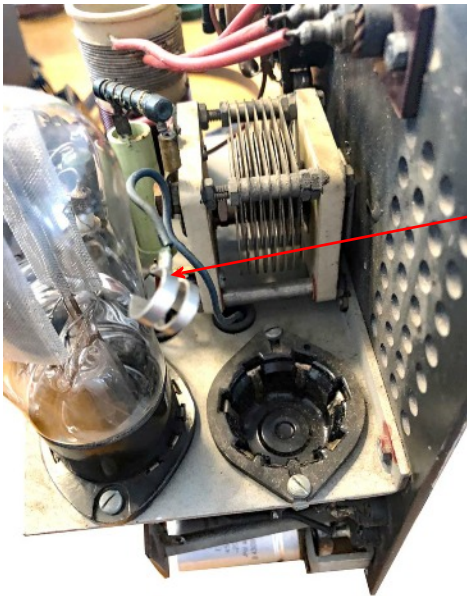
- Photographs courtesy Reinhard Glogowski.
- Original OKW Stahnsdorf circuits diagram by Rudolf Staritz, DL3CS, Germany.
- Miniaturisierung im Röhrenzeitalter - Deutsche Agenten funkgeräte bis 1945, Rudolf F. Staritz, CQ-DL, No. 6, Pages 267-271.
- Die deutschen Funknachrichtenanlagen bis 1945, Volume 2 'Der Zweite Weltkrieg'. (Sec. 15, Co-author Rud. F. Staritz), Fritz Trenkle, Telefunken Systemtechnik GmbH, Ulm, 1990.
- Wireless for the Warrior, Volume 4, Clandestine Radio, L. Meulstee and R.F. Staritz, Wimborne Publishing Ltd, 2004, isbn 0952063 36 0



Left hand side view of the S 85/14 transmitter.



Internal top view of the S 85/14 transmitter. The AL5 valve was located top right on the photo, and the AZ 11 rectifier just below.



The addition of a wire and top clip allowed the use of an ABL1 in case an AL5 valve was not available. This wire was connected to the original control grid (G1 at point 6) of the valve holder.



On this photo taken, from another S 85/15, a top clip and wire was also added.

