Vltava I/II

Country of origin: Czechoslovakia

DATA SUMMARY

Organisation: ŠtB - Štátna bezpečnost (Secret State Police) and 2 Správa - kontrarozviedka (Government, Department 2, counter-espionage).

Design/Manufacturer: 6 Správa - spojovacia technika (Government, Department 6, communication technics).

Year of Introduction: About 1952.

Purpose: Reception of wireless bugs.

Receiver:

Circuit features: Single conversion superheterodyne. IF 3.1MHz; FM and AM. AFC.

Frequency coverage: 42.1-47.8 MHz;

Power Supply: AC mains 120/220V.

Size (cm): Height 16.5, length 23.5, width 30.5.

Weight (kg): Vltava I 8.82; Vltava II 9.28.

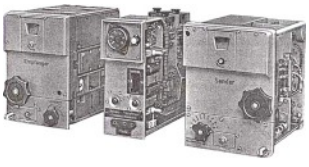
Top view of Vltava chassis showing the Fug 17 front end unit (right) and IF strip (rear and left).

REMARKS

Vltava I and II, *) developed and produced under project numbers TI-418 A and B, were receivers designed for reception of room interception surveillance wireless bugs. The electrical and mechanical design was conventional; in the construction of the receiver a RF front end unit of a German WW2 FuG 17 aircraft transceiver was used. As supplies of this unit were probably exhausted, functionally similar models (Sazava I and II) were later produced with a more up-to-date front end. See Chapter 257. (The covert name, Vltava, was derived from a river in the Czech republic, also known as the Moldau).

The RF front end of Vltava was originally part of a Luftwaffe FuG 17. This unit was also used in the Ukw.E.d1 (part of Wehrmacht Fu7 vehicle set for communication with aircraft), and Kriegsmarine Lo10uk39, the latter with a slightly different frequency coverage.

Position of the front end unit in a FuG 17.



Kriegsmarine Lo10uk39.

Wehrmacht Ukw.E.d1.

References:

- Photographs and information were published with kind permission of Petr, OK1PM: More information can be found on his website 'Zelena Vlna' www.zelenavlna.com
- Die deutschen Funknachrichtenanlagen bis 1945, Band 2, Fritz Trenkle, (ISBN 3-7785-3034-2) Band 3, H.J. Ellissen, (ISBN 3-928388–1-0).
- Detlev Vreisleben, DC7KG, Germany.