

Type 2031  
'SHF home'  
Country of origin: GDR

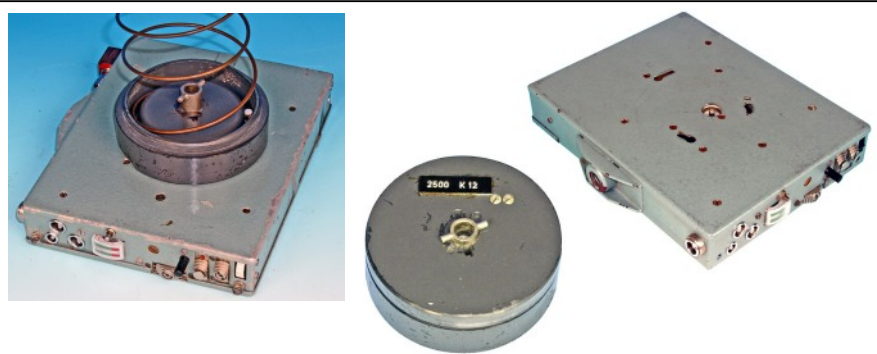
**DATA SUMMARY**

**Organisation:** MfS HVA.  
**Design/Manufacturer:** Department 'Sondertechnik', Berlin.  
**Year of Introduction:** 1964.  
**Purpose:** Directional SHF link 'home station' for voice communication to agents across the border.  
**Frequency:** Unknown, believed 12cm. (2.5GHz)  
**Size (cm):** Height 9, Length 31, Width 23. (estimated)

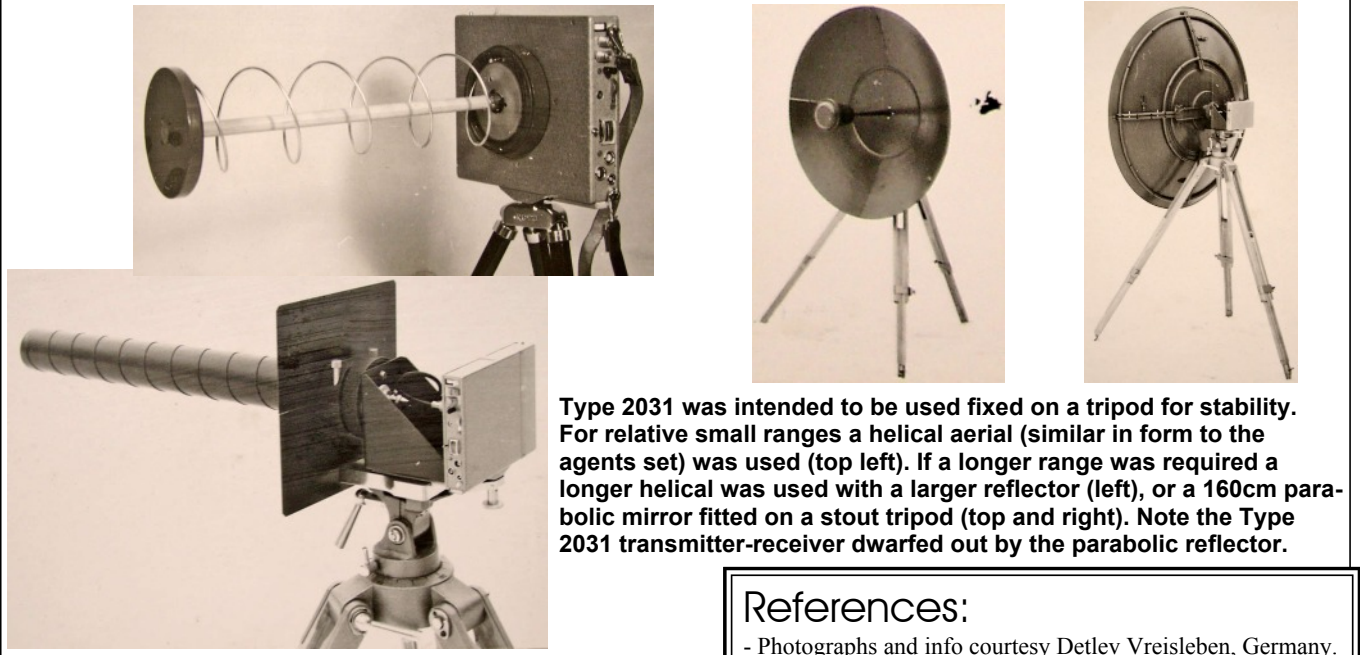
**REMARKS**

The type 2031 was an SHF transmitter-receiver intended as a 'home station' for a directional SHF communication link to agents, equipped with corresponding portable equipment (see chapter 49 'SHF agents') across the border over relative small distances. Various types of aerials could be used, depending on the required range.

**Type 2031 transmitter receiver with top cover plate removed. Note the use of early transistors e.g. in the AF board (below right)**



Detail views showing fitting of the helical aerial to the bottom of the transmitter-receiver case, and a helical aerial in collapsed form.



Type 2031 was intended to be used fixed on a tripod for stability. For relative small ranges a helical aerial (similar in form to the agents set) was used (top left). If a longer range was required a longer helical was used with a larger reflector (left), or a 160cm parabolic mirror fitted on a stout tripod (top and right). Note the Type 2031 transmitter-receiver dwarfed out by the parabolic reflector.

**References:**

- Photographs and info courtesy Detlev Vreisleben, Germany.