Supplement, Chap. 124 - 1

31211 series (GDR bugs II) Country of origin: GDR



DATA SUMMARY

Organisation: MfS, Abt. 26, GDR. **Manufacturer:** PGH Funkmechanik, Freiberg, GDR.

Year of Introduction: Probably mid 1960s.

Purpose: Wireless bug for covert overhearing.

Transmitter:

Circuit details: Free running oscillator, RF power amplifier; wide band FM, minimum deviation ±25kHz. **Frequency coverage:** 360-400MHz. (Band IV).

RF output: 12.5mW at 9V in 50Ω.

Aerial: ¼ wave wire. (25cm length of flex wire) Power Supply: 5.5-12V; Derived from an external battery or AC mains power unit.

Dimensions (cm): Height 1.5, Length 9.7, Width 2.6.

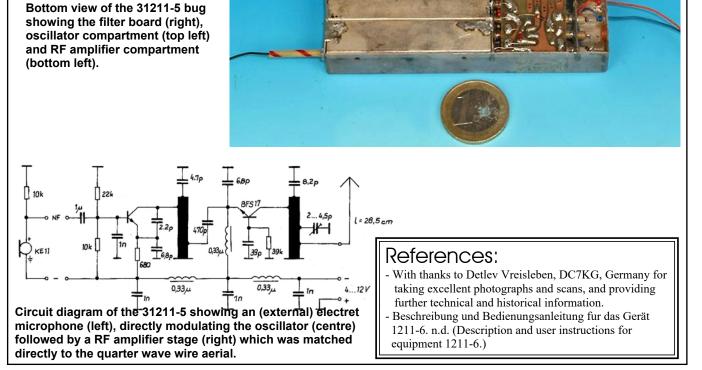
31211-5

REMARKS

The 31211-5 was a second generation UHF FM wireless bug operating in Band IV (360-400MHz). The transmitter required an external electret microphone.

Though only information on the /5 and /6 of the 31211 could be retrieved, other variations of this series of Band IV bugs are noted such as the 31211-613 (Vlocka) and 31211-614 (KOS-8) which were believed imported from Czechoslovakia and Bulgaria.

The associated receiver was probably a 31210 or 31220. (Chapters 123 and 130).



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Wireless for the Warrior - Volume 4

Supplement, Chap. 124 - 2



31211-6

DATA SUMMARY

Organisation: MfS, Abt. 26, GDR.

Manufacturer: PGH Funkmechanik, Freiberg, GDR.

Year of Introduction: Probably mid 1960s.

Purpose: Wireless bug for covert overhearing.

Transmitter:

Circuit details: Free running oscillator; modulator amplifier; wide band FM, minimum deviation ±25kHz. **Frequency coverage:** 360-398MHz. (Band IV); variable over ±15-20MHz.

AF frequency response: 50Hz-60kHz.

Aerial: 1/4 wave wire. (25cm length of flex wire.)

Power Supply: 2.5V nominal -up to 6V-; Normally two Mallory RM 12 or ZM 12 mercury cells, giving 75 days continuous operation life. As an alternative an AC mains power unit type 31211-6 N, providing 2.7V DC, could be used.

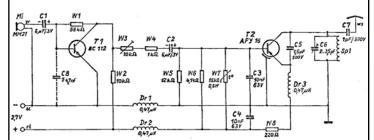
Dimensions (cm): Height 1.3, Length 5.3, Width 2.3.

REMARKS

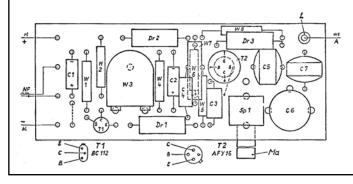
The 31211 was a second generation UHF FM wireless bug operating in Band IV (360-400MHz). The transmitter required an external dynamic microphone.

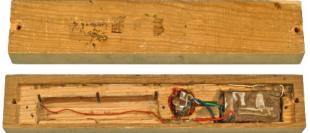
The design of this bug was very simple, comprising a free running oscillator and a modulator amplifier. The frequency and deviation could be set according the operational requirements and type of dynamic microphone.

The associated receiver was most likely a 31210 or 31220. (Chapters 123 and 130).



Circuit diagram (above) and layout of components of the 31211-6 bug.





A 31211-6 bug, microphone and battery compartment hidden in a hollow wooden lath. (Above). This assembly could be fitted under a table or wooden furniture.



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