



TF-B rx LWE 6-1 receiver

31122-11

(GDR line bugs XII)

Country of origin: GDR

(To be read in conjunction with Chapter 163.)

DATA SUMMARY

Organisation: MfS, Abt. 26, GDR.

Design/manufacturer: MfS, OTS, Abt. 33.

Year of Introduction: 1980s.

Purpose: Control receiver for 2nd subsystem TF-B systems.

Technical details:

FM carrier frequencies: Ch.1 55kHz, Ch.2 70kHz, Ch.3 85kHz.

Power: Internal rechargeable Nicad batteries 2x7.2V. Normally charged by 220V AC mains charger type N6 31122-2.

REMARKS

The LWE 6-1 (LWE = German: Langwellen Empfänger = long wave receiver) covert number 31122-11, also known as E6-1, was principally a general purpose test and control instrument.

It was normally used with 2nd subsystems, but also with 1st subsystem 220V AC mains TF-B (2A) systems.

Although the LWE 6-1 was a control instrument, it was occasionally used during special interception operations. (German = Einzelmaßnahmen)

An intrusion alarm loop between the LWE 6-1 and an Operational Support Point, connected to a contact, guarded unauthorised opening. AC mains at the Operational Support Point was guarded by a low level 50Hz hum on the line.

References:

- With thanks to Detlev Vreisleben, DC7KG, Germany for taking excellent photographs and scans, and providing further technical and historical information.

