



## TF-B rx LWE 7 receiver

33604 and 33800  
 Incorporating TF-B rx (2) 31140  
 (GDR line bugs XIV)  
 Country of origin: GDR

### DATA SUMMARY

**Organisation:** MfS, Abt. 27, GDR.  
**Design/manufacturer:** MfS, OTS, Abt. 33.  
**Year of Introduction:** 1980s.  
**Purpose:** Single channel TF-B rx (2A/C) receiver used in 1<sup>st</sup> subsystem.  
 - LWE-7\* 220V (E 7\*) TF-B receiver for TF-B (2A).  
 - LWE-7\* 12V (E 7-s\*) TF-B receiver for TF-B (2C).  
 - 31140\* TF-B receiver for (2B) systems.  
 Normally located in an Operational Support Point.  
**Technical details:** See Chapter 168.  
**FM carrier frequencies:**  
 - LWE 7 220V: Ch.1 54.7kHz, Ch.2 72kHz, Ch.3 88.7kHz.  
 - LWE 7 12V: Ch.1 24kHz, Ch.2 40kHz, Ch.3 104kHz.  
 - 31140: Ch.1 24kHz, Ch.2 40kHz, Ch.3 104kHz.  
**Power Supply:** 12V AC derived from TF-B (2C) doorbell system (LWE-7 12V) or 220V AC mains TF-B (2A) (LWE-7 220V), or from power unit in an Operational Support Point.  
 \* 3 different channels.

(To be read in conjunction with Chapter 163.)

### REMARKS

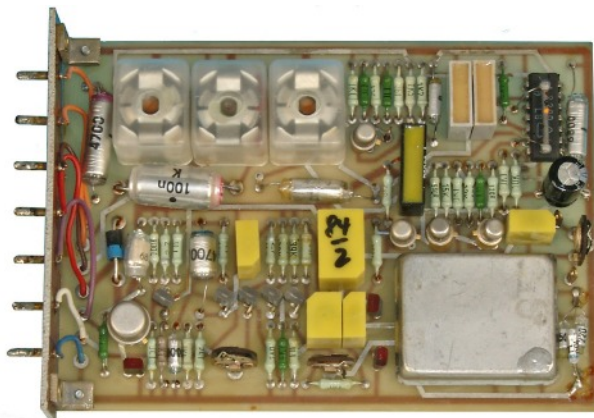
The LWE 7-\* 220V, LWE 7-\* 12V and 31140\* were single channel TF-B rx (2) receivers used in the 1<sup>st</sup> subsystem, normally located in an Operational Support Point.  
 The three types of TF-B rx receivers mentioned above were functionally similar, but differing in application.

#### Currently known covert numbers of TF-B rx (2)

- 33604-101/102/103\* TF-B rx (2A) LWE-7 220V receiver, also known as E7.
- 33800-131/132/133\* TF-B rx (2C) LWE-7 12V receiver, also known as E7-s.
- 31140\* TF-B rx (2B) and (2D) receiver.  
 \* 3 different channels.

### References:

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



TF-B rx 31140



The TF-B rx 31140\* was a single channel receiver for TF-B (2B) systems for use over tapped standard subscriber telephone lines, and Measure B (3) radio based systems.

The 31140 was normally mounted in an Operational Support Point along with a TF-tx unit 31121 connected to the CEKO system. See Chapter 163, page 5.