Wireless for the Warrior - Volume 4

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TF-B (2C) tx transmitter 33800-11* which required a separate microphone.

TF-B TX (2C) Doorbell/dooropener

33800

(GDR line bugs IX)

Country of origin: GDR

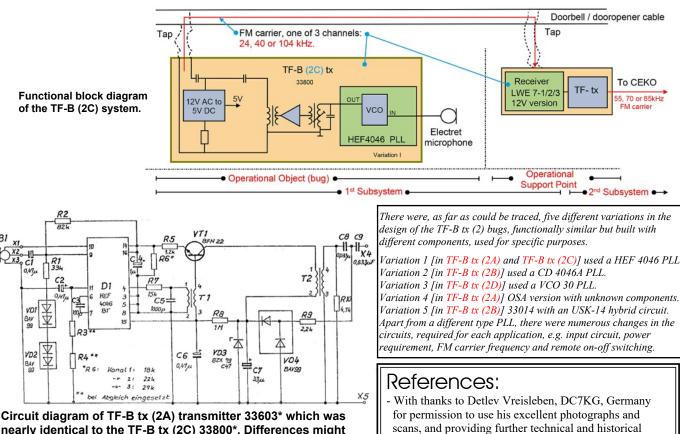
(To be read in conjunction with Chapter 163.)

REMARKS

A 12V AC door bell or door opener cable was tapped at two places, used to route the output of a TF-B tx (2C) transmitter at the Operational Object to a TF-B rx LWE 7-1, 2 or 3 receiver at an Operational Support Point. The system was known as '*12V Technik*' as it received its power from the 12V AC doorbell system. The individual units TF-B tx (2C) transmitter and receiver LWE 7 12V differed not very much from those used with TF-B tx (2A); mainly in the output circuits with power arrangement. The system operated on one of three FM carrier channels: 24, 40 or 104kHz, hence three versions of the units.

Currently known covert numbers of TF-B (2C).

33800-101/102/103* TF-B tx Transmitter with microphone. 33800-111/112/113* TF-B tx Transmitter only. 33800-131/131/133* TF-B rx Receiver LWE 7-1/2/3 12V (E7-s). *) 3 different channels.



nearly identical to the TF-B tx (2C) 33800*. Differences might scans, and purchase been in the values of the output circuit R9-R10 and C8-C9.

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LWE 7-3* 12V receiver (33800*, E7-s) normally used at an Operational Support Point.

DATA SUMMARY

Organisation: MfS, Abt. 26.

Design/manufacturer: MfS, OTS Abt. 33. Year of Introduction: 1981.

Purpose: Using an existing doorbell/dooropener cable for routing the output of a TF-B tx (2C) bug at an Operational Object to an Operational Support Point.

FM carrier frequencies: Ch.1 24kHz, Ch.2 40kHz, Ch.3 104kHz; ±1/2kHz.

Modulation frequency deviation F3: Max. ±2.8kHz.

Associated receiver: LWE 7* (E7-s).

Microphone: e.g. Knowles type BT 1751.

Power Supply: 12V AC derived from doorbell system.