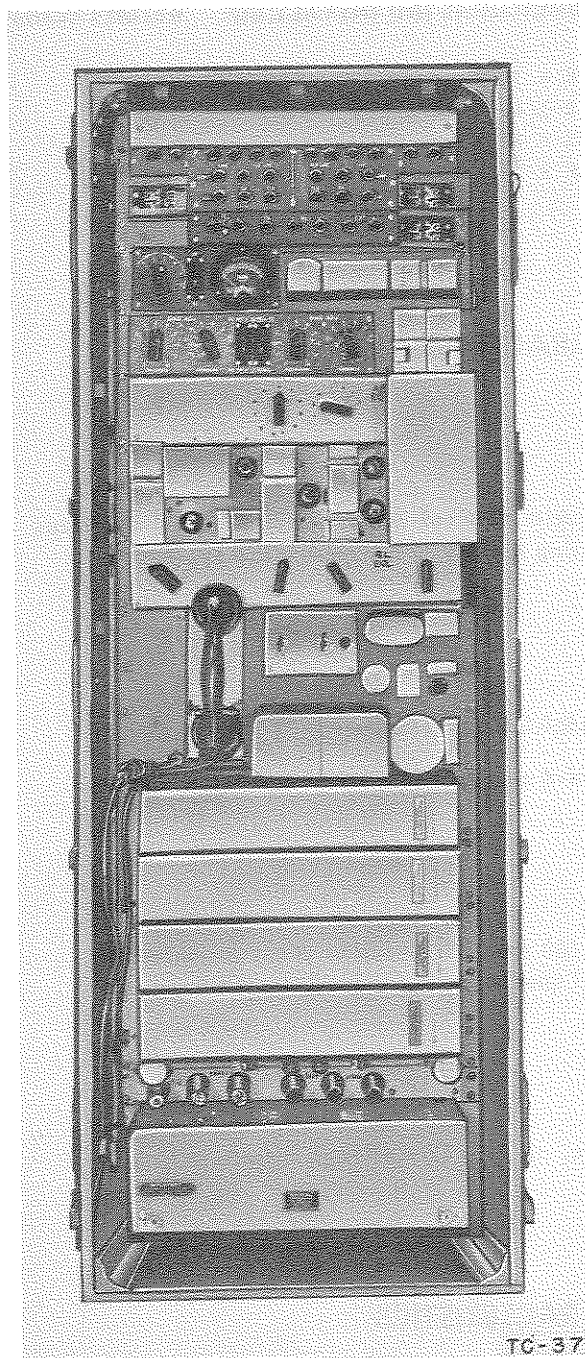


STATUS: Standard  
CLASSIFICATION OF EQUIPMENT: Unclassified  
USING SERVICE: Army  
DATE OF THIS SHEET: 4 Jan 52

**AN/TCC-TYPE**

SERVICE TYPE NUMBER: TC-37  
REPEATER SET



Repeater Set TC-37 is a two-wire, four-channel carrier repeater for extending the transmission range over open wire facilities in fixed plant applications at division or higher headquarters.

This equipment consists of Repeater CF-5, power unit and rectifier, and associated items. It is usually operated in conjunction with Converter Set TC-33 and Telephone Terminal Set TC-21.

This system provides four telephone channels, one of which is used for voice-frequency telegraph communication.

Operates on 110/220-v a-c power; it can be operated by a 12-v storage battery in emergencies.

<b>AN/TCC-TYPE</b>		INSTRUCTION LITERATURE: TM 11-2008
TC-37	:SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT:Unclassified
REPEATER SET		USING SERVICE : Army
		DATE OF THIS SHEET : 4 Jan 52

**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Repeater CF-5	24 x 19 x 65	380
1	Power Unit PE-214	12-3/16 x 14-1/8 x 17-1/8	56
1	Rectifier RA-83	14 x 10 x 16	57
2	Battery BB-55	26 x 14 x 19	110

**OPERATIONAL CHARACTERISTICS**

**TACTICAL USE:** Division and higher headquarters.

**INSTALLATION:** Ground.

**CAN COMMUNICATE WITH:** Repeater, or terminal carrier terminal equipment and related apparatus operating in the connecting facility or composing the system.

**TECHNICAL CHARACTERISTICS**

**FACILITIES REQUIRED FOR TRANSMISSION:** Spiral-4 cable, or facility of equivalent quality.

**FACILITIES AFFORDED:** Two-wire, 4 channels.

**FREQUENCY:** AB direction of transmission, 200-11,600 cps; BA direction of transmission, 20,850-32,250 cps. 2,600 cps channel spacing.

**TYPE OF MODULATION:** Am (nominal).

**POWER REQUIREMENTS:** 46 w 110/220 v, 50/60 cyc, ac, or a 12-v storage battery.

**PHYSICAL CHARACTERISTICS**

Repeater Set TC-37 packed for export shipment: total weight 942 pounds, total volume 48.1 cu ft, 1.2 ship tons. Shipped in 6 packages.