

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

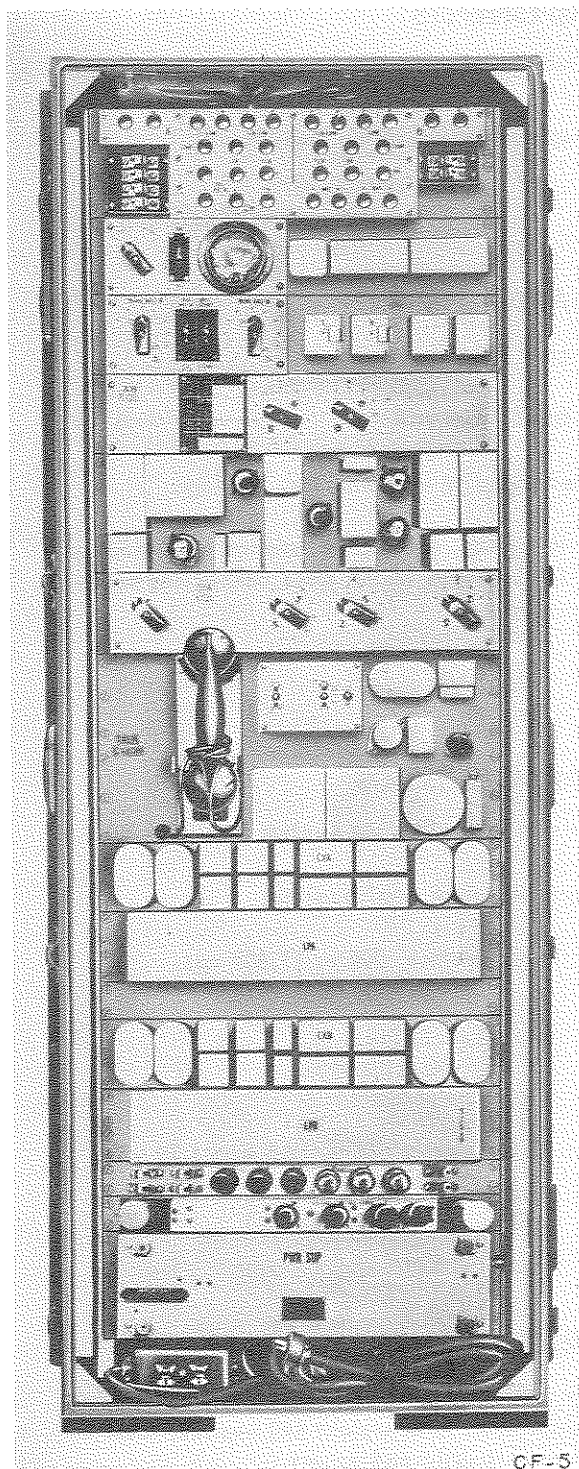
DATE OF THIS SHEET: 23 Jan 52

**AN/TCC-TYPE**

SERVICE TYPE NUMBER:

CF-5

REPEATER



CF-5

Repeater CF-5 is a carrier repeater equipment used to extend the transmission range of open wire carrier systems in which Telephone Terminal CF-1, Converter CF-4, and related equipment are operated. It is used at intermediate points of communication systems serving division and higher headquarters.

This equipment consists essentially of two independent amplifiers, and related alarm, and signaling circuits arranged on relay rack panels and housed in a vertical cabinet as a single bay of equipment. Can be used in systems in which Converter CF-4 converts four-wire transmission to two-wire transmission, over a single open wire pair.

<b>AN/TCC-TYPE</b>		INSTRUCTION LITERATURE: TM 11-2008, -4405
<b>CF-5</b>		CLASSIFICATION OF EQUIPMENT: Unclassified
<b>REPEATER</b>		USING SERVICE : Army
<b>:SERVICE TYPE NUMBER</b>		DATE OF THIS SHEET: 23 Jan 52

**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
-------	-------------------	---------------------------	--------------

(Equipment consists only of a single major operating component.)

**OPERATIONAL CHARACTERISTICS**

**TACTICAL USE:** In open wire lines at division or higher headquarters.

**INSTALLATION:** Ground, transportable, operates in fixed locations.

**MAXIMUM SYSTEM LENGTH:** 150 miles dependent upon quality of connecting facility.

**CAN COMMUNICATE WITH:** Repeater, terminal, central office, and related station equipment and subsidiary apparatus which operates in the same connecting facility in tactical wire or cable systems.

**TECHNICAL CHARACTERISTICS**

**FACILITIES REQUIRED FOR TRANSMISSION:** Open-wire or equivalent system facilities.

**FACILITIES AFFORDED:** Two-wire, intermediate repeater range amplification.

**FREQUENCY:** A-B direction, 20,850 and 32,250 cps; B-A direction, 200 to 11,600 cps.

**TYPE OF MODULATION:** Am.

**TYPE RINGING:** V<sub>f</sub>.

**POWER REQUIREMENTS:** 105 - 125, or 210 - 250 v, 50/60 cyc ac, 45 w, (4.5 amp ) 12 v, dc from storage battery.

**PHYSICAL CHARACTERISTICS**

Repeater CF-5 weighs 380 pounds net. Packed for domestic shipment: total weight 450 pounds, total volume 22 cu ft, 1 ship ton. Packed for export shipment: total weight 690 pounds, total volume 40 pounds, 1 ship ton. Shipped in 1 package both domestic and export.