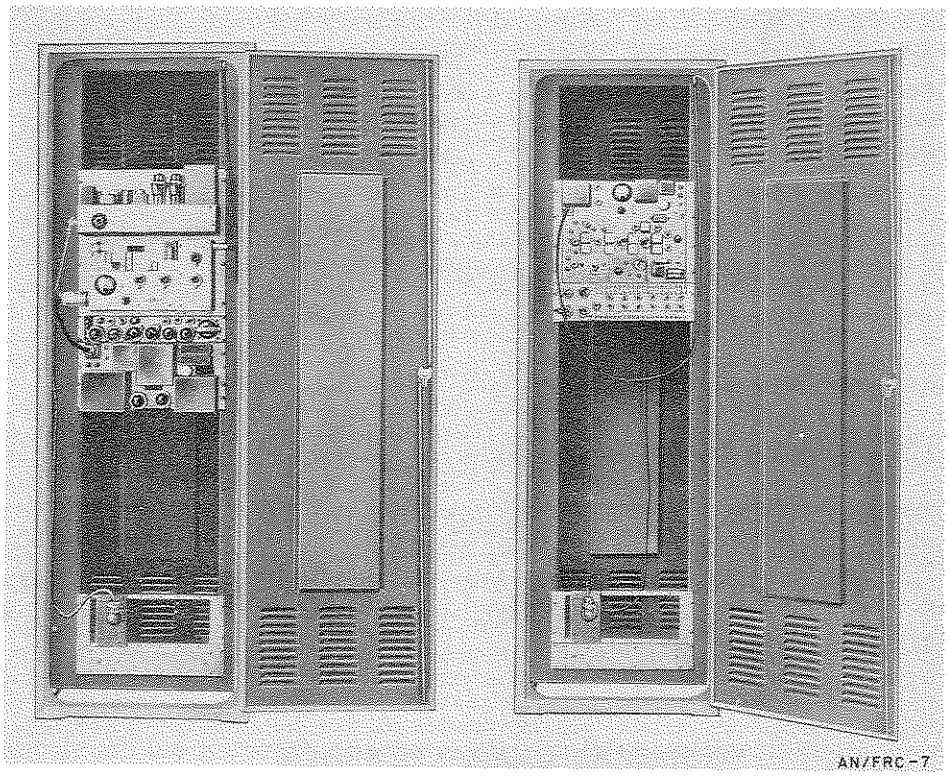
STATUS: Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Army
DATE OF THIS SHEET: 8 Jan 52

AN/FRC-7

RADIO SET



Radio Set AN/FRC-7 is a medium-power, a-m (voice and tone) receiving and transmitting equipment used for fixed-plant relay, point-to-point, ground-to-air, and similar applications in the v-h-f band at corps and higher headquarters.

Equipment consists of rack- and panel-mounted operating components (installed in a steel, floor-type cabinet), antenna, power supply, and associated items.

This set provides four-channel communication over long distance circuits in conjunction with such equipment as Carrier Terminal Set AN/FCC-2.

AN/FRC-7

RADIO SET

INSTRUCTION LITERATURE: TM 11-292
CLASSIFICATION OF EQUIPMENT: Unclassified
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
2	Antenna AS-576/FRC	54 x 53 x 75	40
1	Power Supply PP-749/FRC	8-3/4 x 8-3/4 x 19	68
1	Radio Receiver R-448/FRC	14 x 2-1/2 x 19	20
1	Radio Transmitter T-326/FRC	19-7/32 x 8-11/16 x 19	68

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Corps or higher headquarters.

INSTALLATION: Ground (fixed station only).

APPROXIMATE RANGE (IN MILES): Line of sight.

CAN COMMUNICATE WITH: AN/ARC-1, -3, -5, -19, -23, -36; AN/CRC-2; AN/FRC-7; AN/GRC-30; AN/MRC-20, -22; AN/PRC-17, -20; AN/TRC-7; AN/TRQ-1; AN/URC-4; AN/URR-10, -12, -21; AN/URT-7, -10; AN/VRC-1; BC-639, -640; MAR; MAW; MBS; R-137/GR; RBK; RBQ; RC-256, -257; RCK; RCO; SCR-522, -542, -573, -574, -575, -607, -616, -624, -641, -643, -644; TDG; TDQ; TDT; ARC Type 12; Wilcox 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 132 - 156 (transmitter and receiver).

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice and tone.

POWER OUTPUT: 25 w.

POWER REQUIREMENTS: (Transmitting 400 w, receiving 90 w): 105-125 v, 60 cyc, ac.

PHYSICAL CHARACTERISTICS

Radio Set AN/FRC-7 packed for export shipment: total weight 1,149 pounds; total volume 134.8 cu ft; 3.4 ship tons. Shipped in 7 packages.