

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

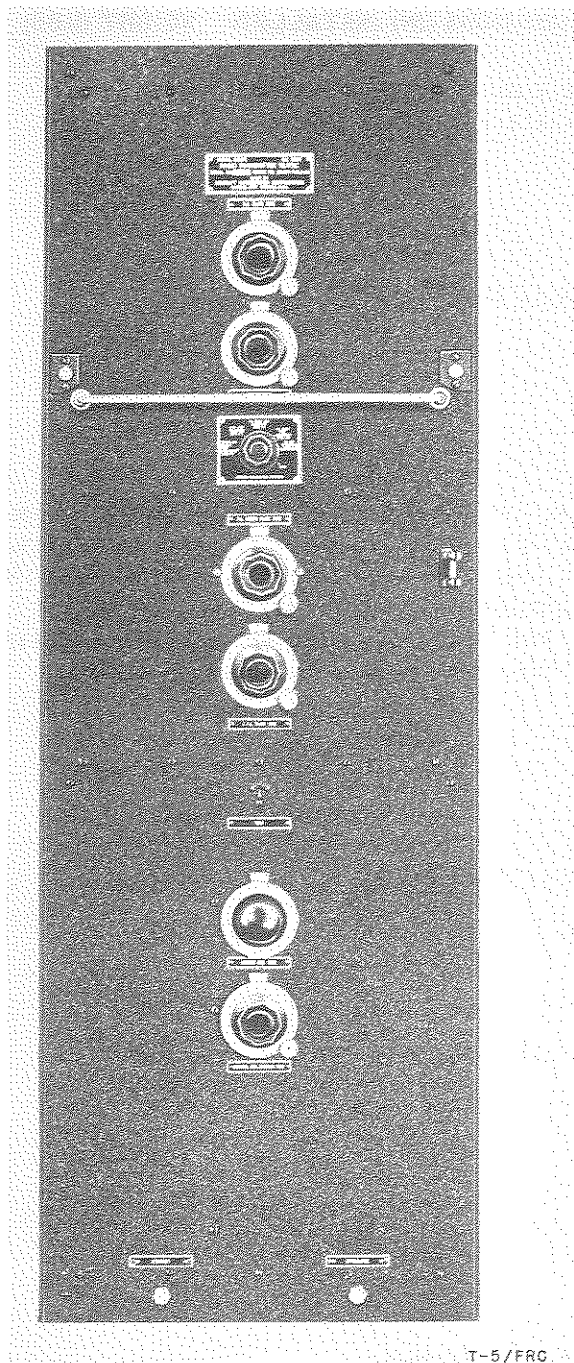
DATE OF THIS SHEET: 30 Jan 52

AN/FRC-TYPE

AN/COMP TYPE NUMBER:

T-5/FRC

RADIO TRANSMITTER



Radio Transmitter T-5/FRC is a long-range, high-power, medium- and low-frequency, crystal-controlled, transmitting station equipment. Can be used for communication by a-m (voice using additional equipment cw, mcw, or frequency-shift keying) signals at fixed plant installations.

This equipment consists of a single transmitting unit and a tuning house, and it is used principally as the low-frequency r-f unit of a multichannel radio system.

It operates into a 600-ohm transmission line which feeds a vertical radiator, or a beveridge type antenna.

A low-voltage power supply unit is contained within the equipment cabinet and the high-voltage is furnished by an external source. It requires 220-v, a-c power.

AN/FRC-TYPE		INSTRUCTION LITERATURE: TM 11-820
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter T-5/FRC	61 x 24 x 18	450
1	Antenna Tuning House	49-1/4 x 38-1/4 x 39-1/8	193

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Fixed plant.

INSTALLATION: Fixed station.

APPROXIMATE RANGE (IN MILES): Medium, long.

CAN COMMUNICATE WITH: AN/ARC-5, -8; AN/FRR-4, -28; AN/GRR-2, -3; AN/MRC-20; AN/SRC-3; AN/SRR-3, -11, -12; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-4; BC-314; -344, -348, -453, -779, -1004; MBS; OA-58/FRC; R-52/PR, -80/PR, -96/SR, -129/U, -203/SR, -205/U, -206/PR, -210/U, -211/U, -212/SR, -213/SR, -215/SR, -247/URR, -274/FRR, -320/FRC, -388/URR; RAK; RAL; RAO; RAS; RBA; RBB; RBG; RBH; RBL; RBM; RBO; RCF; RCG; RCH; RDF; RDM; SCR-177, -244, -274, -614; AR-88 (RCA); ARC Type 12; Fisher TS 25-3; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.15 - 0.55.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, mcw, frequency shift keying, and voice with additional equipment.

POWER OUTPUT: 600 w.

POWER REQUIREMENTS: 220 v, 50/60 cyc, ac.

PHYSICAL CHARACTERISTICS

Information on Radio Transmitter T-5/FRC not available.