

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

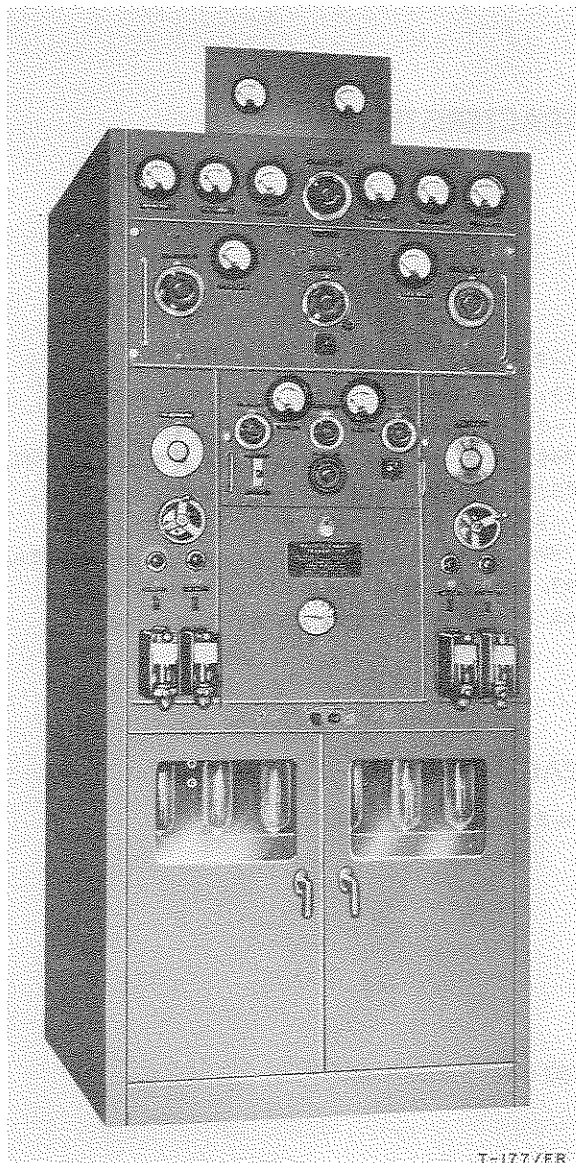
DATE OF THIS SHEET: 8 Jan 52

AN/FRT-TYPE

AN/COMP TYPE NUMBER:

T-177/FR

RADIO TRANSMITTER



T-177/FR

Radio Transmitter T-177/FR is a medium-power, low- and medium-frequency, long-range radio transmitting station equipment. It is used for cw or frequency-shift radioteletype communication over six preset channels at fixed plant installations serving army and equivalent headquarters.

This equipment consists essentially of a commercial (Press Wireless Model PW 918A) radio transmitter and is crystal or master-oscillator controlled. It has provision for electronic keying and for connection of Carrier Terminal OA-5/FC. Internal frequency-shift and remote control provisions are included.

It requires about 12-kva at 220/230-v, 50/60-cyc, ac.

AN/FRT-TYPE		INSTRUCTION LITERATURE: TM 11-834
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MAJOR COMPONENTS

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

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

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Army and higher headquarters.

INSTALLATION: Fixed plant.

APPROXIMATE RANGE (IN MILES): 1,000 or more.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -7, -12, -28, -32; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRR-3, -8, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -4; AN/VRR-2; BC-312, -342, -348, -779, -794, -1004; MBS; MQ; OA-58/FRC, -59/FRC; R-62/PR, -80/PR, -96/SR, -129/U, -203/SR, -205/U, -206/PR, -208/FR, -209/FR, -210/U, -211/U, -213/SR, -274/FRR, -320/FRC, -388/URR; RAL; RAO; RAS; RBB; RBC; RBG; RBH; RBM; RBO; RBP; RBS; RCF; RCG; RCH; RDE; RDM; REA; SCR-177, -188, -193, -244, -274, -281, -399, -499, -506, -536, -543, -585, -593, -694, -704; TBO; TBX; TCH; TCP; TCS; AR-88 (RCA); Collins 18S-4 (AF Model); Collins 75A-2; Fisher TS 25-3; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 2.0 - 23.0 in 6 preselected channels.

TYPE MODULATION: Frequency shift.

TYPE OF SIGNAL: Cw and frequency shift keying.

POWER OUTPUT: 2.5-kw.

POWER REQUIREMENTS: 11.8 kva, 220 v-230 v, 50/60 cyc, 3 phase ac.

PHYSICAL CHARACTERISTICS

Radio Transmitter T-177/FR measures 77 x 33 x 36 inches, net weight 1,717 pounds. Packed for domestic shipment: total weight 3,326 pounds, total volume 196.8 cu ft, 1 ship ton. Shipped in 8 packages.