

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

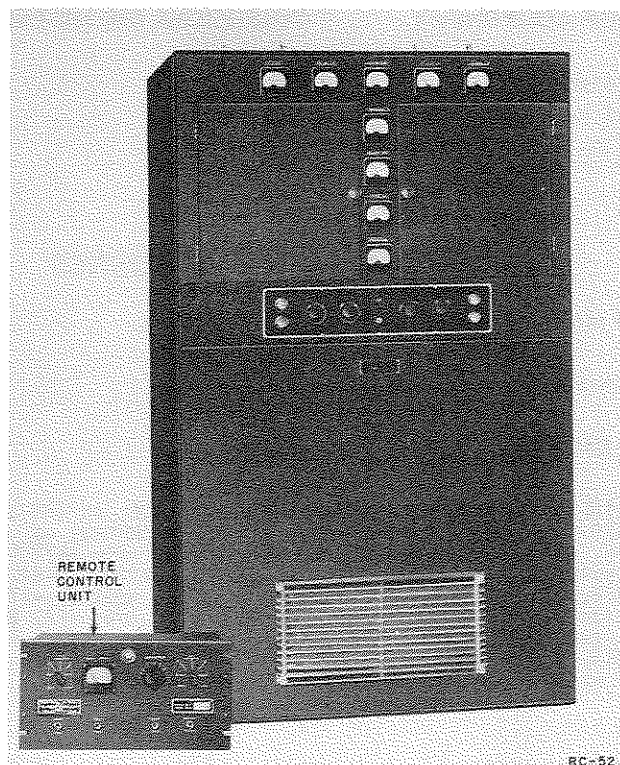
DATE OF THIS SHEET: 30 Jan 52

AN/FRT-TYPE

SERVICE TYPE NUMBER:

RC-52

RADIO TRANSMITTING EQUIPMENT



Radio Transmitting Equipment RC-52 is a medium power, medium range, medium-and high-frequency fixed plant radio transmitting station equipment used for point-to-point communication, air-warning and similar applications by means of a-m (voice, cw, or mcw) signals.

This equipment consists of a single cabinet-inclosed unit and a remote control equipment plus microphone and accessory items. It covers its frequency range (1.5 to 7 mc) in four bands and operates in two preselected channels.

Provision is made for selection of specific types of emission from the remote operating or control point, and for automatic starting and stopping the equipment by remote control.

A rhombic or doublet antenna is used, and power is derived from a source of 115-v or 230-v, ac.

AN/FRT-TYPE		INSTRUCTION LITERATURE: None
RC-52	SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO TRANSMITTING EQUIPMENT		USING SERVICE: Army
		DATE OF THIS SHEET: 30 Jan 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter BC-452	29 x 24 x 72	Not Available
1	Remote Control Unit RM-22	Not Available	" "
1	Microphone T-27-B	" "	" "

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Fixed plant.

INSTALLATION: Fixed station.

APPROXIMATE RANGE (IN MILES): 200.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -9, -9, -21, -25, -26; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -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, -9, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -4; BC-312, -314, -342, -344, -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; RDE; RDM; REA; SCR-177, -198, -193, -244, -274, -399, -499, -506, -536, -543, -595, -593, -694, -704; TBO; TBX; TCH; TCO; TCP; TCS; AR-98 (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: 1.5 - 7.0 in 4 bands.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice, cw, and mcw.

POWER OUTPUT: 300 w.

POWER REQUIREMENTS: 115/230 v, 60 cyc, 1 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Transmitting Equipment RC-52 weighs 1,250 pounds net. Packed for export shipment: total weight 1,750 pounds, total volume 50 cu ft, 1.3 ship tons.