

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

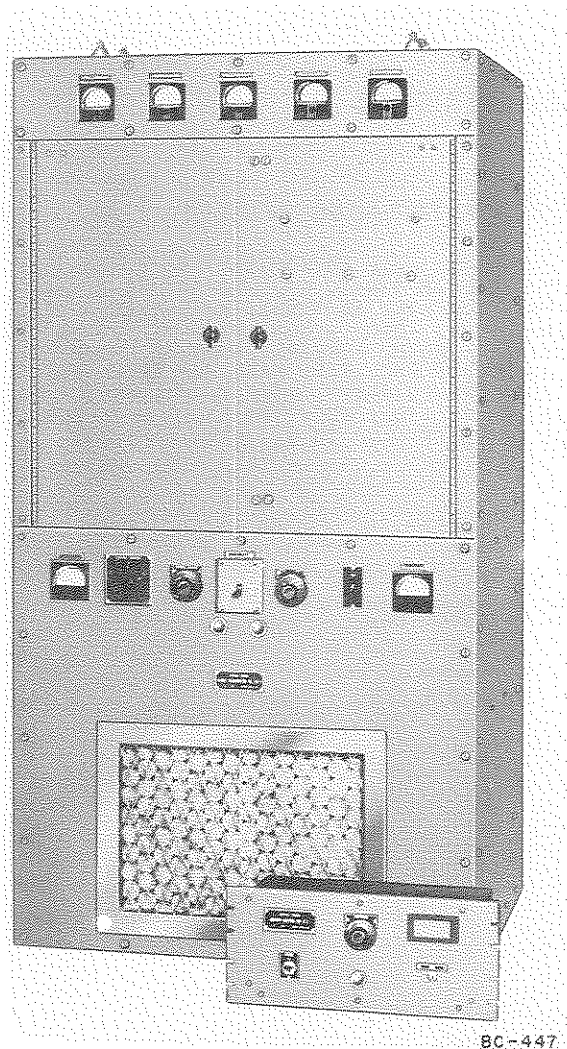
DATE OF THIS SHEET: 8 Jan 52

AN/FRT-TYPE

SERVICE TYPE NUMBER:

BC-447

RADIO TRANSMITTER



Radio Transmitter BC-447 is a medium-power, long range, radiotelegraph transmitting equipment which operates in the medium-and high-frequency bands at fixed plant installations.

This equipment consists of a cabinet-inclosed radio transmitter and associated remote control unit, and provides two crystal-controlled channels.

It can be operated from a remote point over a telephone pair, and uses any suitable antenna with a balanced 600-ohm transmission line.

Requires about 1,200-w of 115- or 230-v, ac.

AN/FRT-TYPE		INSTRUCTION LITERATURE: TM 11-827
BC-447 :SERVICE TYPE NUMBER		CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO TRANSMITTER		USING SERVICE : Army
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter BC-447	72 x 35 x 27-3/16	871
1	Remote Control Unit RM-17	Not Available	Not Available

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Fixed station.

INSTALLATION: Ground, fixed.

APPROXIMATE RANGE (IN MILES): Long.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -7, -12, -29, -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; RDH; REA; SCR-177, -198, -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: Channel 1: 4.0 - 13.4.
Channel 2: 2.0 - 8.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw.

POWER OUTPUT: 300 w.

POWER REQUIREMENTS: 1,200 w, 115 / 230 v, 50/60 cyc, ac.

PHYSICAL CHARACTERISTICS

Radio Transmitter BC-447 weighs 871 pounds net, volume 42 cu ft, 1.05 ship tons. Packed for export shipment: total weight 1,247 pounds, total volume 92 cu ft, 2.30 ship tons. Shipped in 1 package.