

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

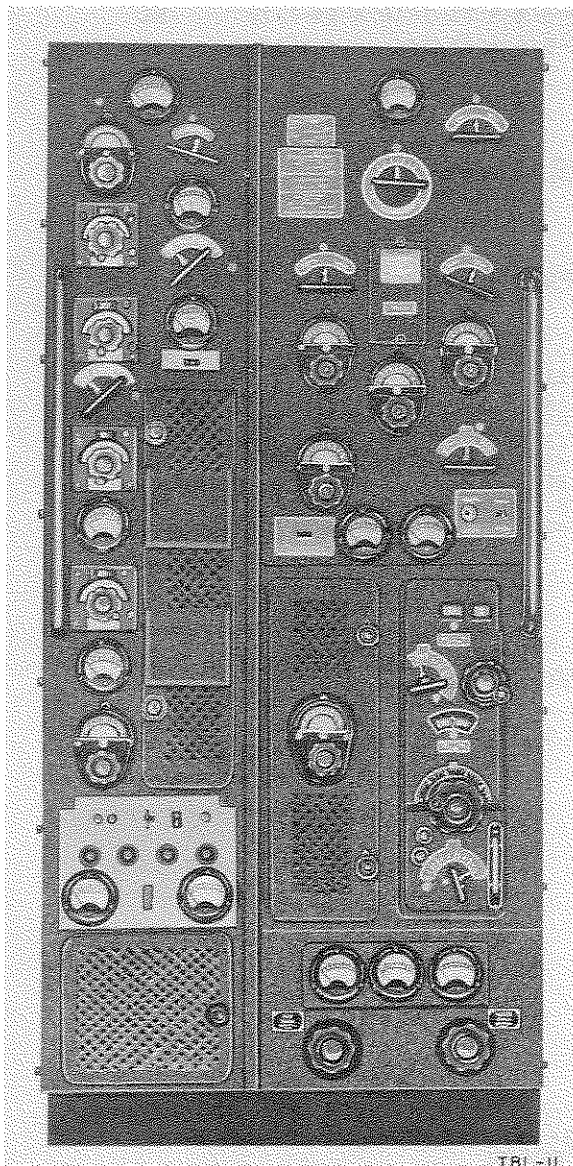
DATE OF THIS SHEET: 9 May 52

AN/FRT-TYPE

SERVICE TYPE NUMBER:

TBL-11

RADIO TRANSMITTING EQUIPMENT



Radio Transmitting Equipment TBL-11 is general purpose, a-m (cw, mcw, voice) medium power m-f/h-f transmitter designed for shore installations where space is at a premium.

This equipment may be operated locally, or from a remote station over a landline up to 50 miles in length.

Keying speeds up to 100 wpm are possible, and when suitable speech input equipment is used, voice transmission is possible throughout the frequency range.

The transmitter incorporates two separate master oscillator controlled r-f circuits to cover the m-f and h-f bands. Only one band is used at a time.

AN/FRT-TYPE		INSTRUCTION LITERATURE: NavShips 900,390-1B
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter CAY-52249	72 x 32 x 24-3/8	829
1	Land Line Control Unit CAY-23216	20-3/4 x 21-3/16 x 11-1/16	81
1	Rectifier Power Unit CAY-20195	71-5/8 x 27-1/8 x 23-9/16	819

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations.

INSTALLATION: Ground.

APPROXIMATE RANGE (IN MILES): Medium.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -7, -12, -28; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRC-3; AN/SRR-3, -8, -11, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -4; AN/VRR-2; 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, -212/SR, -213/SR, -215/SR, -247/URR, -274/FRR, -320/FRC, -388/URR; RAK; RAL; RAO; RAS; RBA; RBB; RBC; RBG; RBH; TBL; RBM; RBO; RBP; RBS; RCF; RCG; RCH; RDE; RDF; 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); ARC Type 12; 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: 0.175 - 0.60 and 2.0 - 18.1.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice, mcw, cw.

POWER OUTPUT: Cw: 200 w.
Mcw: 100 w.
Voice: 50 w.

POWER REQUIREMENTS: 3.5 kw, 220 / 440 v, 50/60 cyc, 3 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Transmitting Equipment TBL-11 weighs 1,898 pounds net.