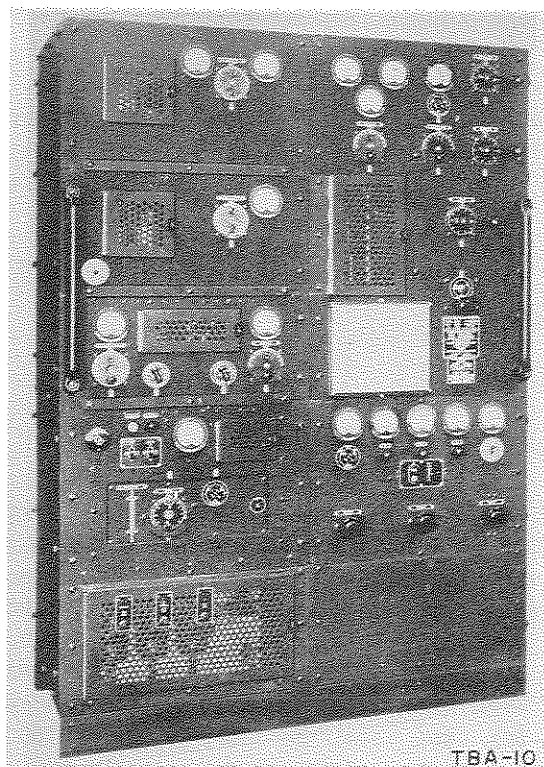


STATUS: Limited Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Navy
DATE OF THIS SHEET: 29 Apr 52

AN/FRT-TYPE

SERVICE TYPE NUMBER: TBA-10
RADIO TRANSMITTING EQUIPMENT



TBA-10

Radio Transmitting Equipment TBA-10 is a medium power shore-to-ship, h-f radiotelegraph transmitter.

Vacuum tube keying speeds up to 500 wpm, and relay keying at speeds up to 100 wpm are possible.

A land line control unit provides remote transmitter control over a land line.

Frequency control is by means of a continuously variable oscillator.

It is designed for use with a single vertical-wire antenna.

AN/FRT-TYPE		INSTRUCTION LITERATURE: NavShips 900,406	
		CLASSIFICATION OF EQUIPMENT: Unclassified	
TBA-10	:SERVICE TYPE NUMBER	USING SERVICE: Navy	
RADIO TRANSMITTING EQUIPMENT		DATE OF THIS SHEET: 29 Apr 52	

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter CG-52282	72 x 49 x 24-7/8	953
2	Motor Generator Set CG-21375-A	17-9/16 x 70-7/16 x 16	815
2	Magnetic Controller CG-21373	22-1/8 x 20-1/4 x 10-1/4	65
1	Power Transfer Switch CG-24092	12-1/4 x 16 x 9-1/4	26
1	Land Line Control Unit CG-23269	42-1/8 x 24 x 15-3/4	165

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations.

INSTALLATION: Ground.

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, -12, -28, -32; AN/GRC-3, -4, -9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -22; AN/PRC-7, -8, -19, -20; AN/SRR-3, -8, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -5, -8, -13, -16, -20; AN/VRQ-1; BC-312, -342, -348, -779, -794, -1004; MBS; 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; -293, -294, -298, -399, -499, -506, -508, -509, -510, -528, -536, -543, -585, -593, -694, -704; TBO; TBX; TCH; TCO; TCS; AR-88 (RCA); Collins 18S-4 (AF Model); Collins 75A-2; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 4.0 - 26.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, icw.

POWER OUTPUT: 1 kw.

POWER REQUIREMENTS: 4.6 kw, 220 v, 60 cyc, 3 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Transmitting Equipment TBA-10 measures 72 x 49 x 24-7/8 inches, net weight 3,156 pounds, volume 101.7 cu ft, 2.54 ship tons. Packed for domestic shipment: total weight 5,008 pounds, total volume 158.3 cu ft, 3.95 ship tons. Shipped in 12 packages.