

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

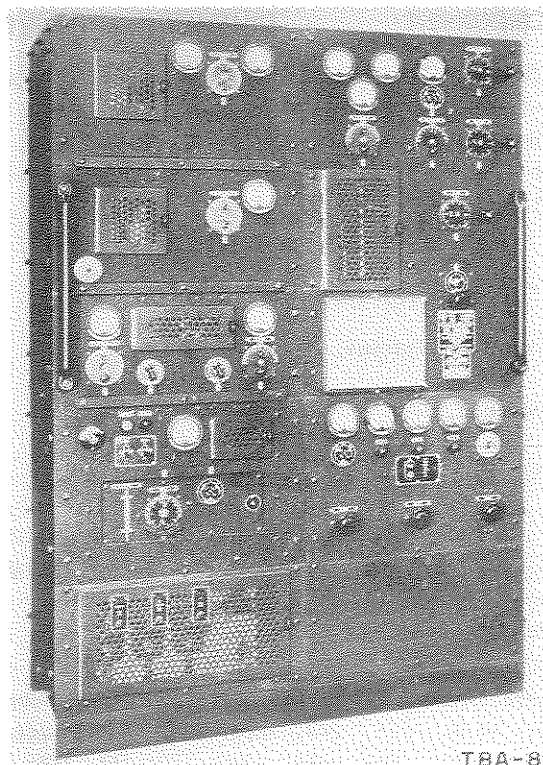
DATE OF THIS SHEET: 29 Apr 52

AN/URT-TYPE

SERVICE TYPE NUMBER:

TBA-8, -11

RADIO TRANSMITTING EQUIPMENT



TBA-8

Radio Transmitting Equipments TBA-8 and TBA-11 are general purpose, medium power, h-f, radio-telegraph transmitters for surface vessels or shore stations.

Relay keying speeds up to 100 wpm, and vacuum tube keying up to 500 wpm, are possible.

They can be used with single-wire antennas, or be connected to balanced 650-ohm transmission lines which are properly terminated into 650-ohm loads.

Frequency control is by means of a continuously variable oscillator.

These transmitters are designed for 220-v, 60-cyc, 3 phase, ac, but may be converted to 440-v, 60-cyc, 3 phase, ac operation for surface vessels.

AN/URT-TYPE		INSTRUCTION LITERATURE: NavShips 900,290
TBA-8, -11		CLASSIFICATION OF EQUIPMENT: Unclassified
: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-52280, -52280-A	81-7/16 x 49 x 13-1/8	975
2	Motor Generator CG-21899	19-15/16 x 71-5/16 x 18-1/8	815
1	Land Line Control Unit CG-23269	42-1/8 x 24 x 15-3/4	160
2	Magnetic Controller CG-21897	23-7/8 x 21-7/16 x 9-1/16	70
1	Power Transfer Switch CG-24092	12-1/4 x 16 x 9-1/4	26

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard or shore stations.

INSTALLATION: Shipborne, 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, 220/440 v, 60 cyc, 3 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Transmitting Equipments TBA-8, -11 measure 81-7/16 x 49 x 31-1/8 inches, net weight 3,325 pounds, volume 135.1 cu ft, 3.37 ship tons. Packed for domestic shipment: total weight 5,554 pounds, total volume 340.4 cu ft, 8.5 ship tons. Shipped in 12 packages.