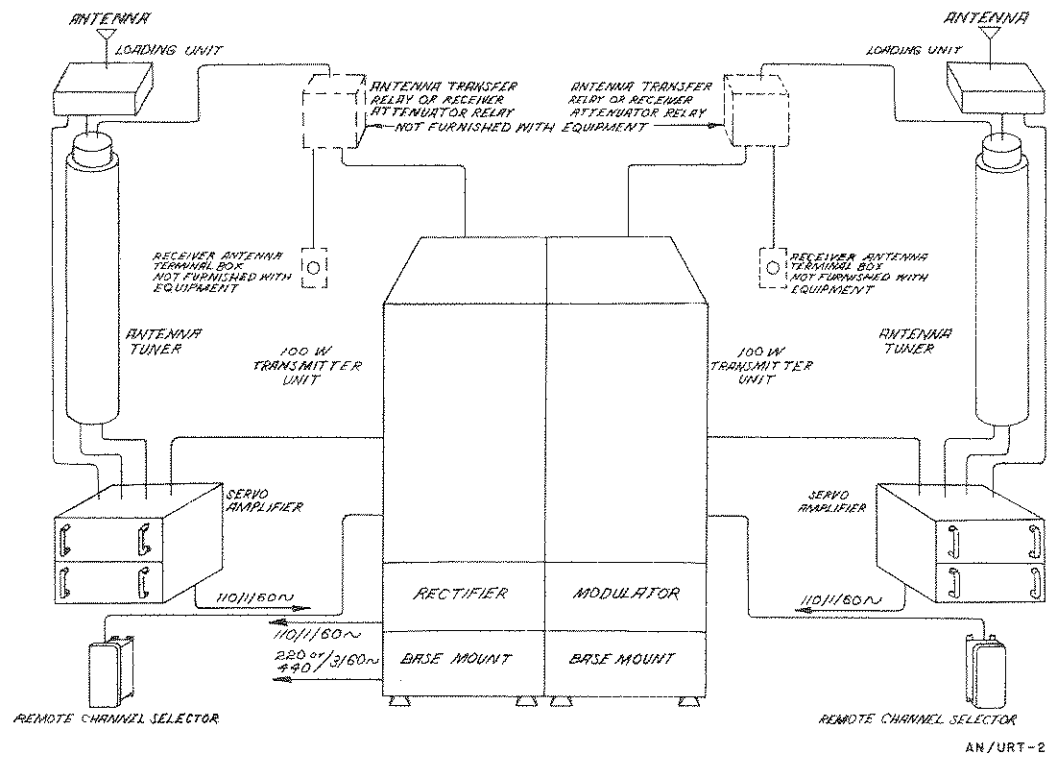


STATUS: Standard
 CLASSIFICATION OF EQUIPMENT: Restricted
 USING SERVICE: Navy
 DATE OF THIS SHEET: 9 May 52

AN/URT-2, -3, -4

RADIO TRANSMITTING SET



Radio Transmitting Sets AN/URT-2 and AN/URT-2X, -3, -3X, -4, -4X are medium-power m-f/h-f transmitters for ship-to-shore use. They operate in conjunction with such receivers as Radio Receiving Equipment RBA, RBB, and RBC and the shipboard remote control system. A crystal-controlled synthesizer provides frequency control of 10 preset channels.

This equipment provides two frequency bands, 300 kc to 26 mc and 2 mc to 26 mc, obtaining higher power output on the latter. The AN/URT-4 consists of the AN/URT-2 and 3, which may be operated simultaneously. The AN/URT-2 may be used as a replacement for Radio Transmitting Equipment TBL, TDE, or TCZ; the AN/URT-3 may replace Radio Transmitting Equipment TBA, TBK, TBM, or TCK. The AN/URT-2X, -3X and -4X are identical to the AN/URT-2, -3 and 4 respectively, except that they require a 400 cyc ac power source.

The transmitters are designed for use with either a 35 ft whip antenna or an L type wire antenna.

AN/URT-2,-3,-4	INSTRUCTION LITERATURE: Not Available
	CLASSIFICATION OF EQUIPMENT: Restricted
RADIO TRANSMITTING SET	USING SERVICE : Navy
	DATE OF THIS SHEET : 9 May 52

MAJOR COMPONENTS

QUANT.	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
*1	Radio Transmitter	55-3/8 x 16 x 24	735
1	Radio Modulator MD-149/URT**	18-1/4 x 16 x 24	250
*1	Antenna Control Group OA-297/URT	17-7/8 x 18-11/16 x 14-1/2	135
1	Transmitter Control C-916/URT	5-1/4 x 4-3/4 x 10-5/8	5

* Two each for AN/URT-4 and -4X.

** Not applicable to AN/URT-2 and -2X

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard.

INSTALLATION: Shipborne.

APPROXIMATE RANGE (IN MILES): Medium.

CAN COMMUNICATE WITH: AM/ARC-2, -5, -8, -9, -21, -25; AN/ARR-15; AM/FRC-10; AN/FRR-3, -4, -7, -12, -28; AM/GRC-3, -4, -9, -13, -26; AM/GRR-2, -3, -5; AM/MRC-2, -6, -16, -20, -22; AM/PRC-7, -8, -19, -20; AM/SRC-3; AM/SRR-3, -8, -11, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -4, -5, -8, -13, -16, -20; AN/VRQ-1; AN/VRR-2; BC-312, -314, -342, -344, -348, -453, -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; RBL; RBM; RBO; RBP; RBS; RCF; RCG; RCH; RDE; RDF; RDM; REA; SCR-177, -188, -193, -244, -274-M, -281, -293, -294, -298, -399, -499, -506, -508, -509, -510, -528, -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 TS25-3; Hammerlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.3 - 26.0.

TYPE MODULATION: Am, fm.

TYPE OF SIGNAL: Cw, mcw, icw, tone, voice.

POWER OUTPUT: AN/URT-2: 100 w.

AN/URT-3: 100 or 500 w.

AN/URT-4; 100 w and 100 or 500 w (two-unit).

POWER REQUIREMENTS: AN/URT-2; 1,000 w, 115 v, 60 cyc, 1 phase. AN/URT-2X: 1,000 w, 115 v, 400 cyc, 1 phase. AN/URT-3: 800 w, 115 v, 60 cyc, 1 phase or 1,800 w, 220 v, 60 cyc, 3 phase. AN/URT-3 X: 800 w, 115 v, 400 cyc, 1 phase or 1,800 w, 220 v, 400 cyc; 3 phase. AN/URT-4: 1,800 w, 115 v, 60 cyc, 1 phase or 220/440 v, 60 cyc, 3 phase. AN/URT-4X: 1,800 w, 115 v, 400 cyc, 1 phase or 220/440 v, 400 cyc, 3 phase.

PHYSICAL CHARACTERISTICS

Information on Radio Transmitting Sets AN/URT-2, -2X, -3, -3X, -4, and -4X not available.