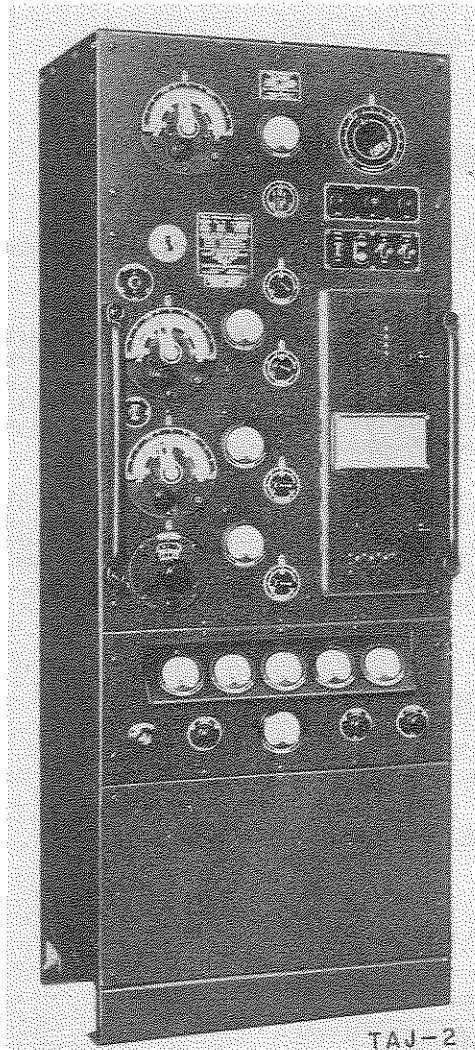


STATUS: Limited Standard
CLASSIFICATION OF EQUIPMENT Unclassified
USING SERVICE: Navy
DATE OF THIS SHEET: 29 May 52

AN/SRT-TYPE

SERVICE TYPE NUMBER: TAJ-2 through -10
500 WATT TRANSMITTING EQUIPMENT



500 Watt Transmitting Equipments TAJ-2 through -10 are general purpose, m-f, medium-power, a-m (cw and mcw) radiotelegraph transmitters for ship-board use. The transmitters may be operated locally or from a remote point over a standard four- or six-wire control system.

These equipments have continuously variable master oscillator frequency control, while the TAJ-2 and -3 use crystal control.

The TAJ-8 through -10 transmitters may be relay keyed at speeds up to 100 wpm on cw and vacuum tube keyed at speeds up to 50 wpm on mcw.

The type of transmitter and power equipment used depends upon the power source available.

AN/SRT-TYPE		INSTRUCTION LITERATURE: NavShips 95288, 900,248
TAJ-2 through -10		CLASSIFICATION OF EQUIPMENT: Unclassified
500 WATT TRANSMITTING EQUIPMENT		USING SERVICE: Navy
		DATE OF THIS SHEET: 29 May 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter CG-4440 or -4444; CRV-52009, -52022; CAY-52029; CG-52078; CRR-52142, or -52143; CG-52140, -52167, or -52189	70 x 26-7/8 x 19	450
1	* Motor-Generator Set CG-4083, -4084, -21044, -21045, -21296, -21297, -21298, -21466, -21467, -21468, -21456, -21456A, -21571	72 x 27 x 24 72-1/4 x 27 x 24 18 x 33-3/8 x 18 20 x 71-3/4 x 17 18 x 64-3/4 x 12-3/4	645 610 527 960 960

* Does not apply to TAJ-4, -5

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard.

INSTALLATION: Shipborne.

APPROXIMATE RANGE (IN MILES): Medium.

CAN COMMUNICATE WITH:

TAJ-2, -3: AN/FRR-4, -28; AN/GRR-2, -3; AN/MRC-5, -8, -20; AN/SRC-3; AN/SRR-3, -11, -12; AN/TRQ-1;
AN/URR-10, -22, -23; AN/VRC-4; BC-314, -344, -348, -453, 779, -1004; MBS; OA-58/FRC;
R-62/PR, -80/PR, -96/SR, -129/U, -203/SR, -205/U, -206/PR, -210/U, -211/U, -212/SR,
-213/SR, -215/SR, -247/URR, -274/FRR, -320/FRC, -388/URR; RAK; RAL; RAO; RAS; RBA; RBB;
RBG; RBH; RBL; RBM; RBO; RCF; RCG; RCH; RDF; RDM; SCR-177, -244, -274, -614; AR-88
(RCA); ARC Type 12; Fisher TS 25-3; Hammarlund SP-600-JX; National HRO-50.

TAJ-4 through -10: AN/ARC-5, -8; AN/FRR-4, -28; AN/GRR-2, -3; AN/MRC-20; AN/SRC-3; AN/SRR-3, -11, -12;
AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-4; BC-314, -344, -348, -453, -779, -1004; MBS;
OA-58/FRC; R-62/PR, -80/PR, -96/SR, -129/U, -203/SR, -205/U, -206/PR, -210/U, -211/U,
-212/SR, -213/SR, -215/SR, -247/URR, -274/FRR, -320/FRC, -388/URR; RAK; RAL; RAO; RAS;
RBA; RBB; RBG; RBH; RBL; RBM; RBO; RCF; RCG; RCH; RDF; RDM; SCR-177, -244, -274, -614;
AR-88 (RCA); ARC Type 12; Fisher TS 25-3; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: TAJ-2, -3: 0.195 - 0.60

TAJ-4 through -10: 0.175 - 0.60.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, mcw.

POWER OUTPUT: TAJ-2 through -7: 500 w.

TAJ-8 through -10: 500 w on cw, 250 w on mcw.

POWER REQUIREMENTS: TAJ-2, -3: 3 kw, 115/230 v dc.

TAJ-4: 2.82 kw, 230 v, 60 cyc, 3 phase, ac.

TAJ-5, -6, -7, -9: 440 v, 60 cyc, 3 phase, ac.

TAJ-8: 220/440 v, 60 cyc, 3 phase, ac or 3.2/3.46 kw, 115/230 v dc.

TAJ-10: 440 v, 60 cyc, 3 phase, ac or 3.2/3.46 kw, 115/230 v dc.

PHYSICAL CHARACTERISTICS

Information on 500 Watt Transmitting Equipments TAJ-2 through -10 not available.