

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

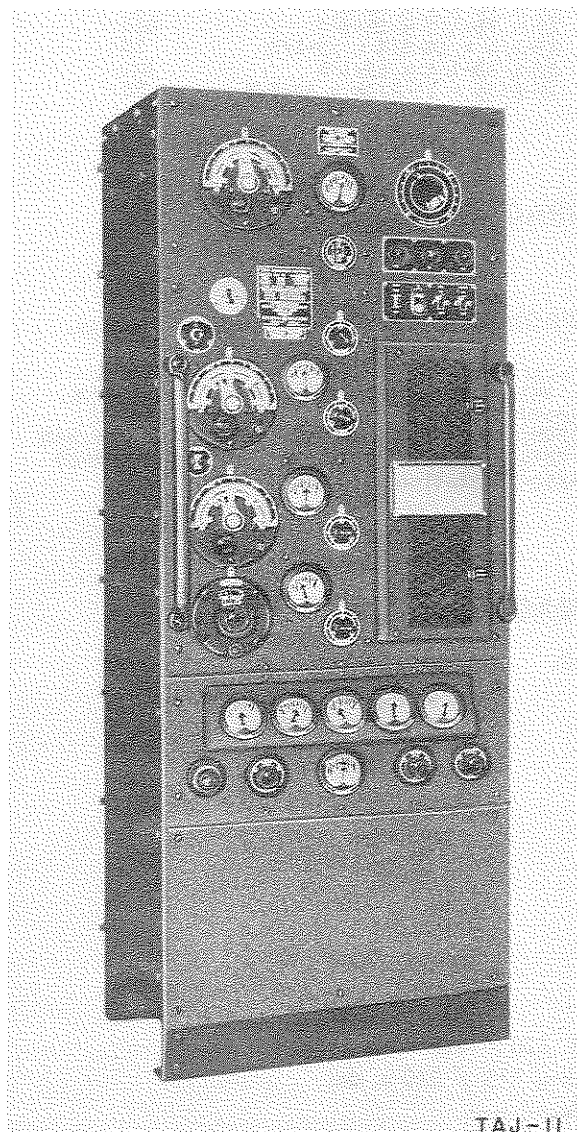
USING SERVICE: Navy

DATE OF THIS SHEET: 29 May 52

AN/SRT-TYPE

SERVICE TYPE NUMBER: TAJ-11, -12, -14, -15, -18, -19

500 WATT TRANSMITTING EQUIPMENT



TAJ-11

500 Watt Transmitting Equipments TAJ-11, -12, -14, -15, -18, -19 are general purpose, m-f, medium power a-m (cw, mcw) radiotelegraph transmitters for shipboard use. The transmitters may be operated locally, or remotely over a standard four- or six- wire control system.

These equipments employ continuously variable master oscillator frequency control. They may be relay keyed at speeds up to 100 wpm on cw and vacuum tube keyed at speeds up to 50 wpm.

The type of transmitter and power equipment employed is dependent upon power source available.

AN/SRT-TYPE

TAJ-11, -12, -14, -15, -18, -19 :SERVICE TYPE NUMBER
500 WATT TRANSMITTING EQUIPMENT

INSTRUCTION LITERATURE: NavShips
900,863; 900,833; 900,492-1B
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter CG-52240, -52240-A, -52241, -52241A, CRR-52259, -52260	74 x 27 x 25 74 x 27 x 25	540 540
1	Motor-Generator Set CG-21756, -21756A, -21757, -21757A, -21758, -21756, -21783, -21784, -21785	20 x 76-1/2 x 19-3/4 20 x 76-1/2 x 19-3/4 20 x 76-1/2 x 18-3/4	960 1,040 850
1	Magnetic Controller CAO-21752, -21753, CG-21754, -21755, CAE-21874, -21875, CG-211096, -211097, -211098, -211099	29-3/4 x 14-1/4 x 13-1/4 22 x 19-1/4 x 12-1/4 17-5/16 x 11-9/16 x 10-5/8	70 101 55

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard.

INSTALLATION: Shipborne.

APPROXIMATE RANGE (IN MILES): Medium.

CAN COMMUNICATE WITH: 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: 0.175 - 0.60.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, mcw.

POWER OUTPUT: 500 w on cw, 250 w on mcw.

POWER REQUIREMENTS: TAJ-11, -12, -14, -18, -19: 220 / 440 v, 60 cyc,
3 phase, ac; or 3.2/3.46 kw, 115 / 230 v, dc.
TAJ-15: 3.40 kw, 230 v dc.

PHYSICAL CHARACTERISTICS

Information on 500 Watt Transmitting Equipments TAJ-11, -12, -14, -15, -18, -19 not available.