

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

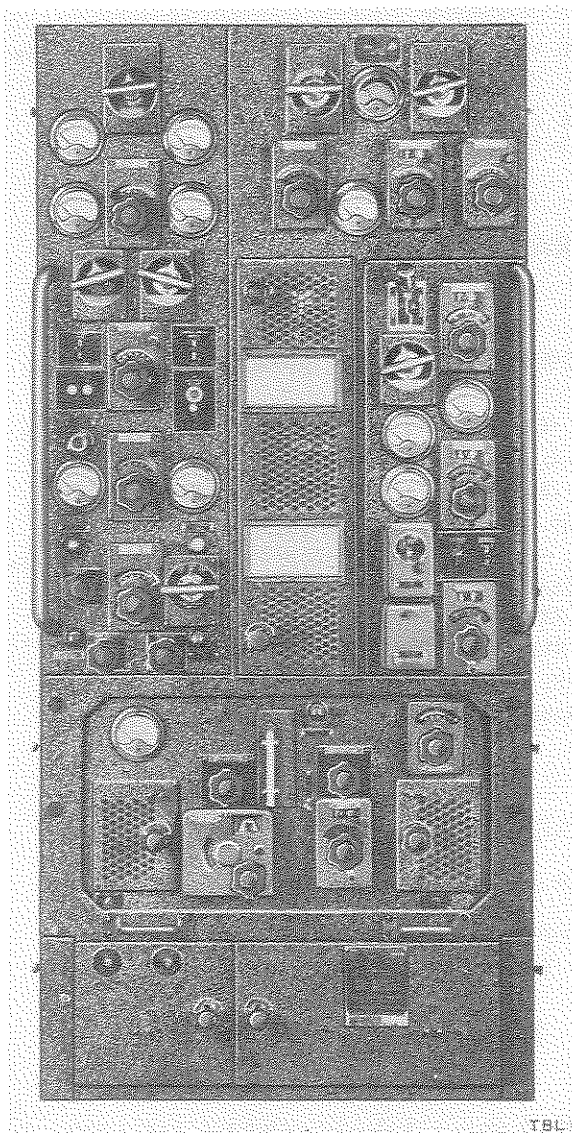
DATE OF THIS SHEET: 9 May 52

AN/SRT-TYPE

SERVICE TYPE NUMBER:

TBL, TBL-2, -3

RADIO TRANSMITTING EQUIPMENT



Radio Transmitting Equipments TBL, TBL-2 and -3 are general purpose, medium-power m-f/h-f a-m (cw, mcw, voice) transmitters for shipboard use.

The transmitters have two separate r-f circuits to cover the m-f and h-f bands, only one of which is used at a time.

In the TBL, the m-f band is controlled by a crystal oscillator, and the h-f band is controlled by a master oscillator.

TBL-2 and -3 employ master oscillator control of both m-f and h-f bands. With the use of suitable speech input equipment, the TBL-2 and -3 provide voice transmission throughout their respective frequency ranges.

The type of transmitter, generator, and power line units employed by the TBL series is dependent upon the power source, or sources, which are available aboard ship.

AN/SRT-TYPE

INSTRUCTION LITERATURE: Not Available

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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Transmitter Unit CRV-52042, CRV-52043, CAY-52059, -52060, -52061, -52082, -52083, -52084	72 x 32 x 24	800
1	Motor CC-21155, -21154, -21229, -21230, -21231, -21229A, -21230A, -21231A	15 x 16-1/8 x 20-7/8	Not Available
1	Generator CC-21156, -21157, CC-21232, -21233, -21233A	15 x 13 x 18 12-7/8 x 15-13/16 x 19-5/8	" "

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard.

INSTALLATION: Shipborne.

APPROXIMATE RANGE (IN MILES): Long.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -7, -12, -28; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRC-3; AN/SRR-3, -8, -11, -12, -13, AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -4; AN/VRR-2; BC-312, -314, -342, -344, -348, -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, -281, -399, -499, -506, -536, -543, -585, -593, -694, -704; TBO; TBX; TCH; TCP; TCS; AR-98 (RCA); ARC Type 12; Collins 18S-4 (AF Model); Collins 75A-2; Fisher TS 25-3; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.175 - 0.60 and 2.0 - 18.1.

TYPE MODULATION: Am.

TYPE OF SIGNAL: TBL: Cw, mcw.

TBL-2 and -3: Voice, cw, mcw.

POWER OUTPUT: TBL: 200 w. TBL-2 and -3: A1, 200 w; A2, 100 w; A3, 50 w.

POWER REQUIREMENTS: TBL: 115 / 230 v, dc.

TBL-2 and -3: 3.4 kw, 440 v, 60 cyc, 3 phase; or 3.2 kw, 115 / 230 v dc.

PHYSICAL CHARACTERISTICS

Information on Radio Transmitting Equipments TBL, TBL-2 and -3 not available.