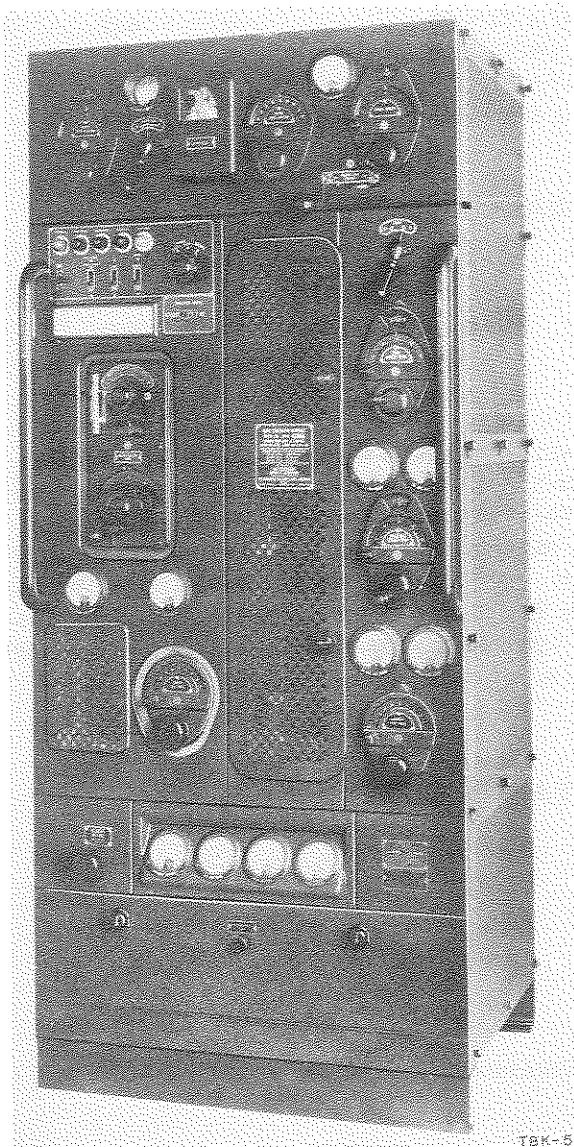


STATUS: Limited Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Navy
DATE OF THIS SHEET: 8 May 52

AN/SRT-TYPE

SERVICE TYPE NUMBER: TBK-5
RADIO TRANSMITTING EQUIPMENT



Radio Transmitting Equipment TBK-5 is a ship-board a-m (cw) radiotelegraph transmitter of h-f communication. The transmitter may be keyed at speeds up to 100 wpm. Provisions are made for variation from full-power to low-power operation of 75 w in the frequency range of 2.0 to 9.05 mc.

This equipment uses master oscillator control and is continuously variable over the frequency range.

It may be controlled and keyed by use of the standard four-wire remote control system. The transmitter, motor generator system components, and starter are bolted to the deck.

A different combination of major components is used for each of three power sources which may be available for operation of the equipment.

AN/SRT-TYPE		INSTRUCTION LITERATURE: Not Available
TBK-5	SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO TRANSMITTING EQUIPMENT		USING SERVICE: Navy
		DATE OF THIS SHEET: 8 May 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Transmitter Unit CAY-52064,	72 x 32 x 24	695
	or -52066	72 x 32 x 24	662
1	Motor CAY-21242, -21243, -21244	13-9/16 x 14-3/8 x 22	900
1	Generator CAY-21240	13-5/8 x 15-7/8 x 28-3/4	900
1	Low Voltage Generator and Exciter CAY-21241	13-5/8 x 14-11/16 x 18-3/8	900

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard.

INSTALLATION: Shipborne.

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, -7, -12, -29, -32; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRR-3, -8, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -4; AN/VRR-2; BC-312, -342, -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, -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, -198, -193, -244, -274, -281, -399, -499, -506, -536, -543, -585, -593, -694, -704; TBO; TBX; TCH; TCP; TCS; AR-98 (RCA); 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: 2.0 - 18.1.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw.

POWER OUTPUT: 2.0 to 18.1 mc: 500 w.

2.0 to 9.05 mc (power amplifier disconnected): 75 w.

POWER REQUIREMENTS: 3.51 kw, 440 v, 60 cyc, 3 phase, ac, or 3.38 kw, 115/230 v, dc.

PHYSICAL CHARACTERISTICS

Radio Transmitting Equipment TBK-5 measures 72 x 32 x 24 inches, net weight 2,176 pounds, volume 32.3 cu ft, 0.8 ship ton.