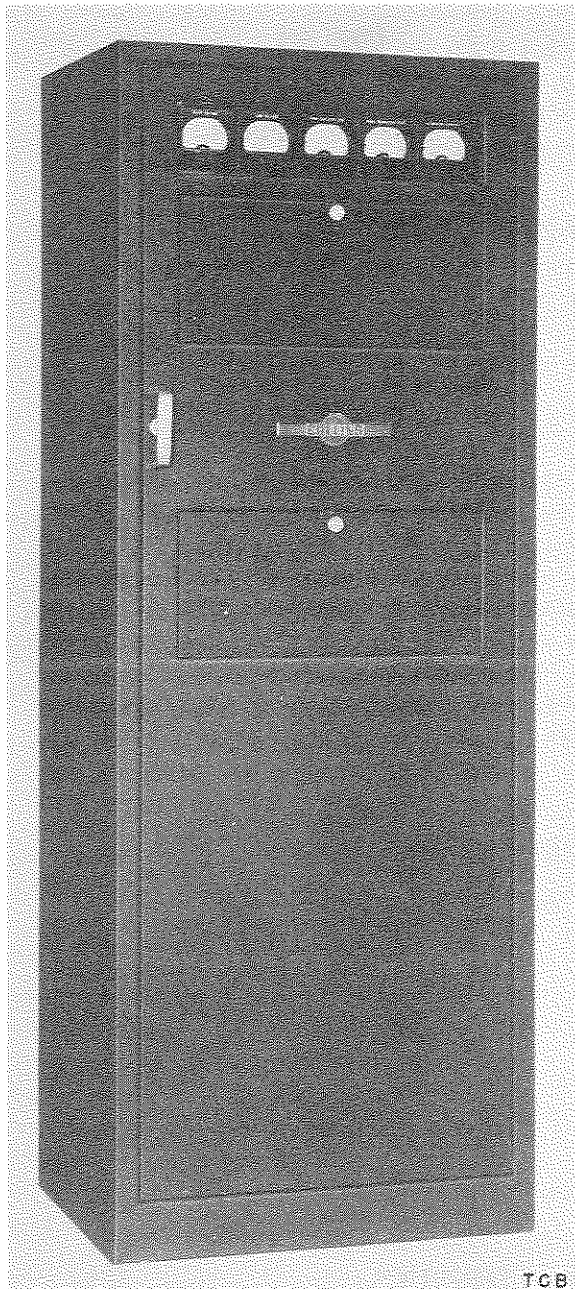


STATUS: Limited Standard
 CLASSIFICATION OF EQUIPMENT: Unclassified
 USING SERVICE: Navy
 DATE OF THIS SHEET: 9 May 52

AN/FRT-TYPE

SERVICE TYPE NUMBER: TCB
 RADIO TELEPHONE & TELEGRAPH TRANS EQUIP



Radio Telephone and Telegraph Transmitting Equipment TCB is designed for general telegraph or voice transmission (at low power) within the high-frequency range. An autotune system provides rapid automatic selection of ten preset crystal-controlled frequencies from a remote location, or at a local station control unit.

Terminals for connection of a facsimile sender are provided.

The operator's desk set includes a control dial and a handset, and provision is made for telephone intercommunication with the station control unit, also for connection of the handset to the output of a station receiver for complete send-receiver operation.

The transmitter cabinet has an antenna input terminal, and an antenna transfer terminal, for automatic transfer of the antenna connection to a station receiver, whenever the transmitter is brought to CARRIER-OFF-STAND-BY OPERATION.

AN/FRT-TYPE		INSTRUCTION LITERATURE: NavShips 95302
TCB :SERVICE TYPE NUMBER		CLASSIFICATION OF EQUIPMENT:Unclassified
RADIO TELEPHONE & TELEGRAPH TRANS EQUIP		USING SERVICE : Navy
		DATE OF THIS SHEET : 9 May 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Transmitter 16-E1	61-3/4 x 21-1/2 x 16-1/2	502.0
1	Station Control Unit 176L-1	7-3/4 x 9 x 5-1/4	11.0
1	Operators Control Unit 177E-1	8-3/4 x 19 x 10	38.0
1	Operators Desk Set 223F-4	6 x 9 x 7-1/2	5.75

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations.

INSTALLATION: Ground.

APPROXIMATE RANGE (IN MILES): Short, medium.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -12, -28, -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; 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, -213/SR, -274/FRR, -320/FRC, -388/URR; RAL; RAO; RAS; RBB; RBC; RBG; RBH; RBM; RBO; RBP; RBS; RCF; RCG; RDE; RDM; REA; SCR-177, -188, -193, -244, -274, -399, -499, -506, -536, -543, -585, -593, -694, -704; TBO; TBX; TCH; TCO; TCP; TCS; AR-88 (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: 1.5- 12.0. On 10 pretuned crystal-controlled carrier frequencies.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, mcw, voice.

POWER OUTPUT: 150 w.

POWER REQUIREMENTS: 1 kw, 110 v, 60 cye, 1 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Telephone and Telegraph Transmitting Equipment TCB measures 61-3/4 x 21-1/2 x 16-1/2 inches, net weight 557 pounds.