

STATUS: Substitute Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

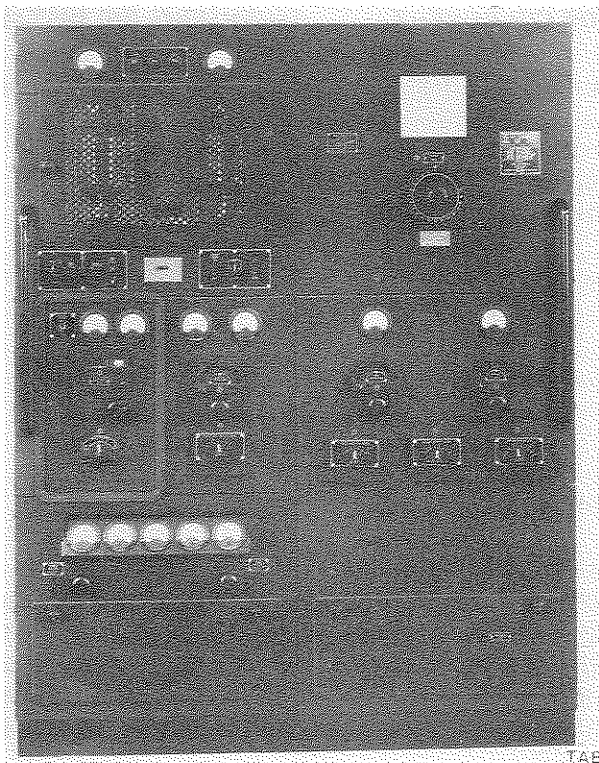
DATE OF THIS SHEET: 2 May 52

AN/FRT-TYPE

SERVICE TYPE NUMBER:

TAB, TAB-3

2 KW TRANSMITTING EQUIPMENT



TAB

2 KW Transmitting Equipments TAB and TAB-3 are medium-power, fixed station transmitters used to transmit radiotelegraph signals within the l-f and m-f range 0.1 to 0.555 mc.

TAB is intended for operation from either two- or three-phase power; TAB-3 operates from a three-phase power source only.

Both transmitters can be operated either locally or remotely by means of a single pair control line.

The equipment starts when the telegraph key is operated and automatically shuts down 30 seconds after keying is stopped.

Two transmitting antennas can be used to cover the frequency range; they are connected to the equipment by means of the antenna selector switch.

AN/FRT-TYPE		INSTRUCTION LITERATURE: GEI-1776 NavShips 95285
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Transmitter Unit CG-4320, CAY-3438-A	76-1/16 x 48-5/32 x 33-3/16	895
1	Generator Transfer Switch CG-4317, -4316, CAY-3452-A	28-1/2 x 30 x 15	125
1	Antenna Selector Switch CG-4319, CAY-3439	16-1/2 x 8 x 3	Not Available
1	Motor Generator Set CG-4313, -4314	80-11/16 x 25-3/4 x 18-1/2	1,580

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations.

INSTALLATION: Ground.

APPROXIMATE RANGE (IN MILES): Long.

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; TDM; SCR-177, -244, -274, -614; AR 88 (RCA); ARC Type 12; Fisher TS 253; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.1 - 0.555 in 6 bands.

Band 1: 0.1 - 0.143	Band 4: 0.27 - 0.356
Band 2: 0.143 - 0.19	Band 5: 0.356 - 0.45
Band 3: 0.19 - 0.27	Band 6: 0.45 - 0.555

TYPE MODULATION: Am.

TYPE OF SIGNAL: TAB: Cw, icw.
TAB-3: Cw, mcw.

POWER OUTPUT: Cw: 2 kw.
Mcw: 1 kw.
Icw: 0.8 kw.

POWER REQUIREMENTS: TAB: 6.3 kw, 220 v, 60 cyc, 2 or 3 phase ac.
TAB-3: 6.3 kw, 220 v, 60 cyc, 3 phase ac.

PHYSICAL CHARACTERISTICS

2 KW Transmitting Equipment TAB or TAB-3 measures 76-1/16 x 48-5/32 x 33-3/16 inches.