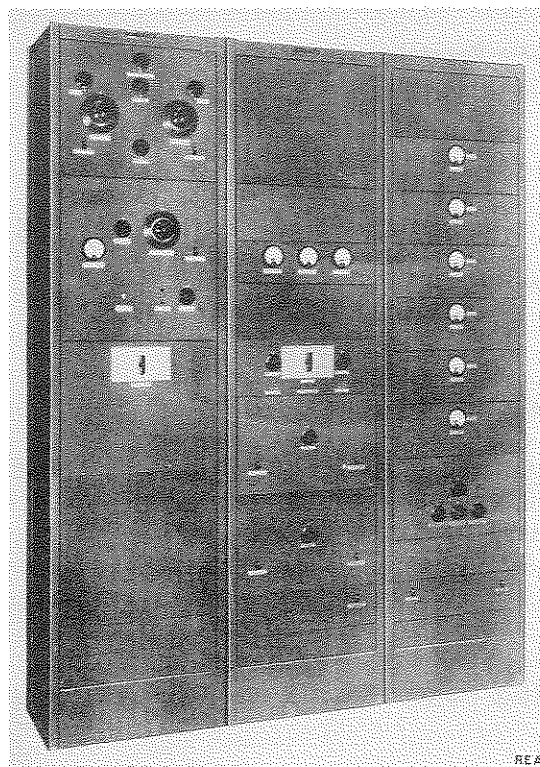


STATUS: Limited Standard  
CLASSIFICATION OF EQUIPMENT: Unclassified  
USING SERVICE: Navy, Army  
DATE OF THIS SHEET: 2 May 52

**AN/FRR-TYPE**

SERVICE TYPE NUMBER: REA, REA-1  
SINGLE SIDE BAND RADIO RECEIVING EQUIPMENT



Single Side Band Radio Receiving Equipments REA and REA-1 are complete single side band, reduced-carrier, radio receivers of the triple detection type, for either one, or both of two telephone channels arranged as a twin-channel system. They can be used in conjunction with multichannel carrier telegraph receiving equipment.

The REA is identical to the REA-1, except that the REA-1 has an improved first beat oscillator-frequency control unit and an improved tuning control unit.

The equipment is enclosed in three rack-type bays, and is complete, except for a receiving antenna system, a power cable, headsets, and terminal equipment.

<b>AN/FRR-TYPE</b>		INSTRUCTION LITERATURE: NavShips 95354
REA, REA-1		CLASSIFICATION OF EQUIPMENT: Unclassified
:SERVICE TYPE NUMBER		USING SERVICE : Navy, Army
SINGLE SIDE BAND RADIO RECEIVING EQUIPMENT		DATE OF THIS SHEET : 2 May 52

**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Single Sideband Radio Receiving Equipment CW-D-99945	65-1/8 x 84 x 18-1/4	1,440

**OPERATIONAL CHARACTERISTICS**

TACTICAL USE: Long distance radio telephone receiving stations.

INSTALLATION: Ground.

APPROXIMATE RANGE (IN MILES): Long.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ART-13; AN/CRT-3; AN/FRC-10; AN/FRT-5, -6, -15, -17, -18; AN/GRC-9, -13, -26; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRT-4; AN/TRQ-1; AN/URT-2, -3, -4; AN/VRC-1, -4; BC-191, -339, -401, -447, -610; MBS; OA-60A/FRT, -60B/FRT; RC-52; SCR-177, -188, -193, -274, -399, -499, -506, -536, -543, -585, -694; T-4/FRC, -83/SR, -158/FRT, -159/FRT, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TBA; TBC; TBK; TBL; TBM; TBN; TBO; TBW; TBX; TCB; TCC; TCE; TCH; TCO; TCK; TCS; TCZ; TDE; TDF; TDH; TDN; TDO; TEB; TEC; TEF; Collins 18S-4 (AF Model); Collins 32V-2; Fisher TS 25-3; Marconi TH-41-B; Westinghouse Type MW; Wilcox 96D, 99A.

**TECHNICAL CHARACTERISTICS**

FREQUENCY RANGE IN MEGACYCLES: 4 - 22 in two bands.

Band 1: 4 - 10.

Band 2: 10 - 22.

TYPE MODULATION: Am (single or double side band).

TYPE OF SIGNAL: Voice.

POWER OUTPUT: + 15 volume unit, 600 ohms, each channel.

POWER REQUIREMENTS: 600 w, 115 v ( $\pm 15\%$ ) 60 cyc, 1 phase, ac.

**PHYSICAL CHARACTERISTICS**

Single Side Band Radio Receiving Equipments REA, REA-1 measure 65-1/8 x 84 x 18-1/4 inches.

Packed for domestic shipment: total weight 1,900 pounds.