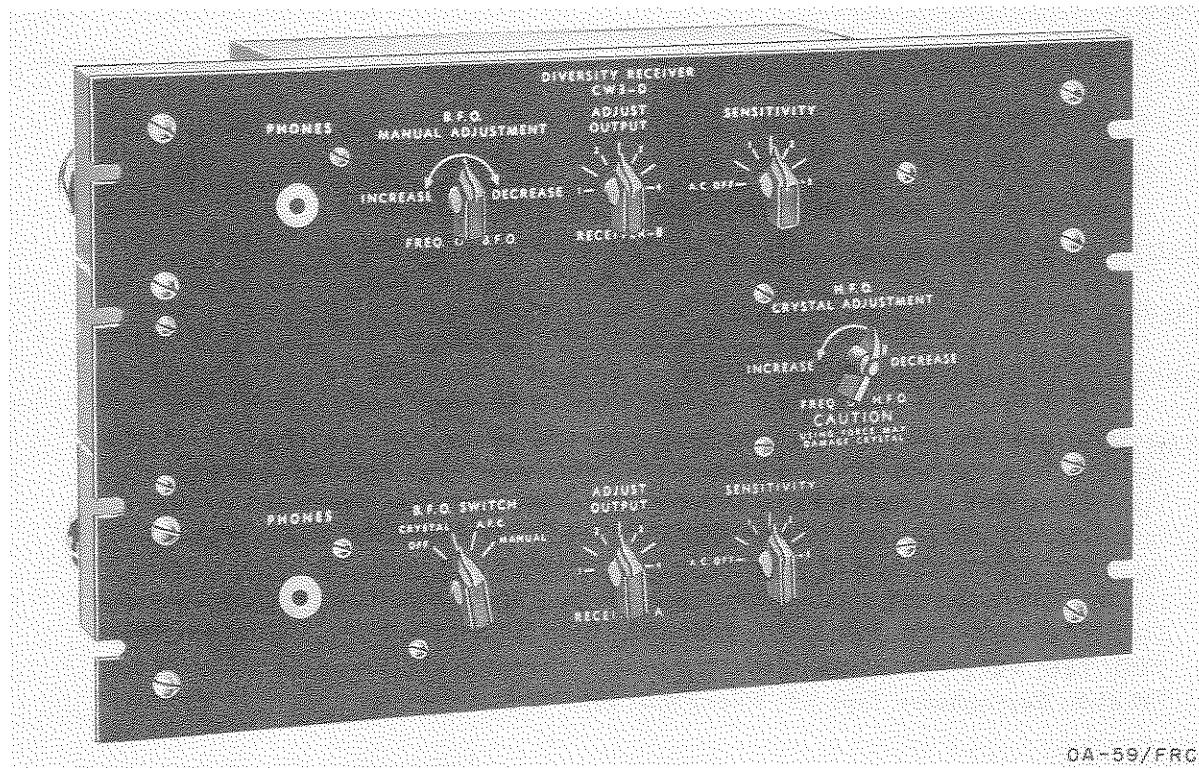


STATUS: Limited Standard  
 CLASSIFICATION OF EQUIPMENT: Unclassified  
 USING SERVICE: Army  
 DATE OF THIS SHEET: 15 Feb 52

**AN/FRR-TYPE**

AN/COMP TYPE NUMBER: OA-59/FRC  
 RADIO RECEIVER ASSEMBLY



Radio Receiver Assembly OA-59/FRC is a crystal-controlled, dual diversity, fixed-frequency, a-m (cw) receiving equipment used for radioteletype and radiotelegraph long-range communication in fixed plant installations.

This equipment consists, essentially, of two commercial type (Wilcox Model CW 3-D) receivers, each with its own power supply, rack-and-panel-mounted in a steel floor type cabinet. It operates in 6 bands, which are selected by means of appropriate plug-in coils furnished with the equipment. Is provided with h-f and beat-frequency oscillators common to both receiver components.

This set uses two rhombic or two other matched-type antenna systems.

<b>AN/FRR-TYPE</b>		INSTRUCTION LITERATURE: TM 11-2204
OA-59/FRC :AN/COMP TYPE NUMBER		CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO RECEIVER ASSEMBLY		USING SERVICE : Army
		DATE OF THIS SHEET : 15 Feb 52

**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
2	Wilcox Model CW3-D Receivers	10-1/2 x 19 x 11-1/2	Not available
1	Metal cabinet	72 x 24 x 17	" "

**OPERATIONAL CHARACTERISTICS**

TACTICAL USE: Fixed plant.

INSTALLATION: Ground, fixed station.

APPROXIMATE RANGE (IN MILES): Long.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -21, -25; 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; MQ; OA-60A/FRT, -60B/FRT; RC-52; SCR-177, -188, -193, -274, -281, -399, -499, -506, -536, -543, -585, -694; T-4/FRC, -83/SR, -158/FRT, 159/FRT, -171/FR, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TBA; TBC; TBK; TBL; TBM; TBN; TBO; TBU; TBW; TBX; TCB; TCC; TCE; TCH; TCK; TCP; 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: 1.9 - 24.0, in 6 bands.

Band 1: 1.9 - 3.6.

Band 4: 9.4 - 16.5.

Band 2: 3.4 - 5.9.

Band 5: 16.5 - 20.0.

Band 3: 5.8 - 9.4.

Band 6: 20.0 - 24.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw.

POWER REQUIREMENTS: (1.3 amp) 110 - 115v, 69 cyc, 1 phase, ac.

**PHYSICAL CHARACTERISTICS**

Radio Receiver Assembly OA-59/FRC packed for export shipment: total weight 528 pounds, total volume 37 cu ft, 0.9 ship ton.