

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

**AN/GRR-TYPE**

SERVICE TYPE NUMBER: RCF, RCF-1  
 RADIO RECEIVING EQUIPMENT



Radio Receiving Equipments RCF and RCF-1 are highly selective and sensitive general purpose, receivers of telegraph or telephone signals within the medium- and high-frequency ranges.

RCF and RCF-1 include reradiation suppressors which make their use safe in combat areas.

RCF includes the vibrator power unit and loudspeaker, and is identical to Radio Set AN/GRR-2.

It is normally intended for table installation, but is provided with a 19-inch front panel which is suitable for relay rack mounting.

A phone-output jack is provided, but the headset is not supplied. A phono-input jack accommodates the audio amplifier for sound reproduction. Controls include a send-receiver switch, and a special socket for receiver disabling purposes.

The receiver power supply includes an octal socket for use when dc instead of the usual ac is used.

A receiving antenna is required but not supplied.

<b>AN/GRR-TYPE</b>		INSTRUCTION LITERATURE: NavShips 95284
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**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver CHL-46202	10 x 20-1/2 x 14-3/4	75
*1	Vibrator Power Unit CMA-20164	5-3/8 x 8-1/2 x 6-9/16	Not Available
*1	Loudspeaker CJS-49172	10-7/8 x 16 x 11	" "
1	Reradiation Suppressor CH-50174-A	4-17/32 x 5-1/2 x 2	" "

\*Supplied with RCF only.

**OPERATIONAL CHARACTERISTICS**

TACTICAL USE: Advanced bases, shore stations.

INSTALLATION: Ground.

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, -19; 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, -10; AN/VRC-1, -4; AN/VRT-1; BC-191, -339, -365, -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, -5/FRC, -83/SR, -158/FRT, -159/FRT, -171/FR, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TAB; TAJ; TAO; TBA; TBC; TBK; TBL; TBM; TBN; TBO; TBU; TBW; TBY; TBX; TCB; TCC; TCE; TCH; TCK; TCP; TCS; TCZ; TDD; TDE; TDF; TDH; TDH; 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: 0.550 - 43.0 mc in 6 bands.

Band 1: 0.550 - 1.620

Band 3: 2.9 - 5.9

Band 5: 10.3 - 21.5

Band 2: 1.5 - 3.1

Band 4: 5.75 - 11.5

Band 6: 20.4 - 43.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, icw, mcw, voice.

POWER OUTPUT: 8 w, into 500 or 5,000 ohm load.

POWER REQUIREMENTS: RCF: 207 w, 117 v, 60 cyc, 1 phase, ac; or 199 w, 6.3 v, dc.

RCF-1: 207 w, 115/230 v, 25/60 cyc, 1 phase, ac.

**PHYSICAL CHARACTERISTICS**

Radio Receiving Equipments RCF, RCF-1 measure 15-3/8 x 20-1/2 x 14-3/4 inches. Packed for domestic shipment: total weight 213 pounds, total volume 9.1 cu ft.