

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

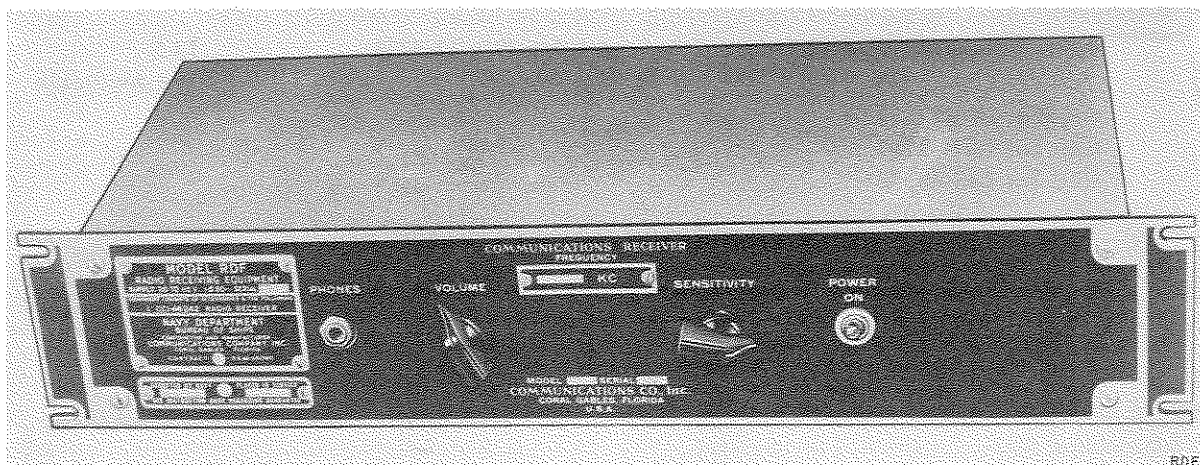
DATE OF THIS SHEET: 29 Apr 52

AN/FRR-TYPE

SERVICE TYPE NUMBER:

RDF

RADIO RECEIVING EQUIPMENT



RDF

Radio Receiving Equipment RDF is a general purpose, fixed-tuned, I-f radio receiver for use in airport traffic control towers, aeronautical ground stations, and Civil Aeronautic Authority range monitoring and for receiving weather broadcasts.

This receiver includes provision for remote control operation.

A 500/600-ohm speaker, or set of headphones, is required but not supplied.

AN/FRR-TYPE		INSTRUCTION LITERATURE: NavShips 95258
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver CCI-46242	3-1/2 x 19 x 11-7/16	14.5
1	Coil Set CCI-47380	Not Available	Not Available
1	Coil Set CCI-47381	" "	" "
1	Coil Set CCI-47382	" "	" "
1	Coil Set CCI-47383	" "	" "

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations, airport control towers, aeronautical ground stations, Civil Aeronautic Authority range monitoring.

INSTALLATION: Ground, fixed, rack-mounted.

APPROXIMATE RANGE (IN MILES): Medium.

CAN COMMUNICATE WITH: AN/ARC-5, -8; AN/ART-13; AN/CRT-3, 5; AN/FRT-10, -19; AN/GRT-2; AN/MRC-20; AN/SRC-3; AN/SRT-1, -3; AN/TRQ-1; AN/URT-2, -3, -4; AN/VRC-4; BC-191, -329, -365; MBS; SCR-177; T-5/FRC, -171/FR; TAB; TAJ; TAQ; TBL; TBN; TBU; TBW; TCE; TCY; TCZ; TDD; TDE; TDK; Marconi TH-41-B; Wilcox 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.20 - 0.55. One fixed-tuned channel. Four sets of plug-in coils cover the following bands:

Band 1: 0.20 — 0.25.	Band 3: 0.33 — 0.43
Band 2: 0.25 — 0.33.	Band 4: 0.43 — 0.55.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Mcw, voice.

POWER OUTPUT: 2 w.

POWER REQUIREMENTS: 45 w, 105-115 v, 50/60 cyc, 1 phase.

PHYSICAL CHARACTERISTICS

Radio Receiving Equipment RDF measures 3-1/2 x 19 x 11-7/16 inches, net weight 14.5 pounds, volume 4.45 cu ft.