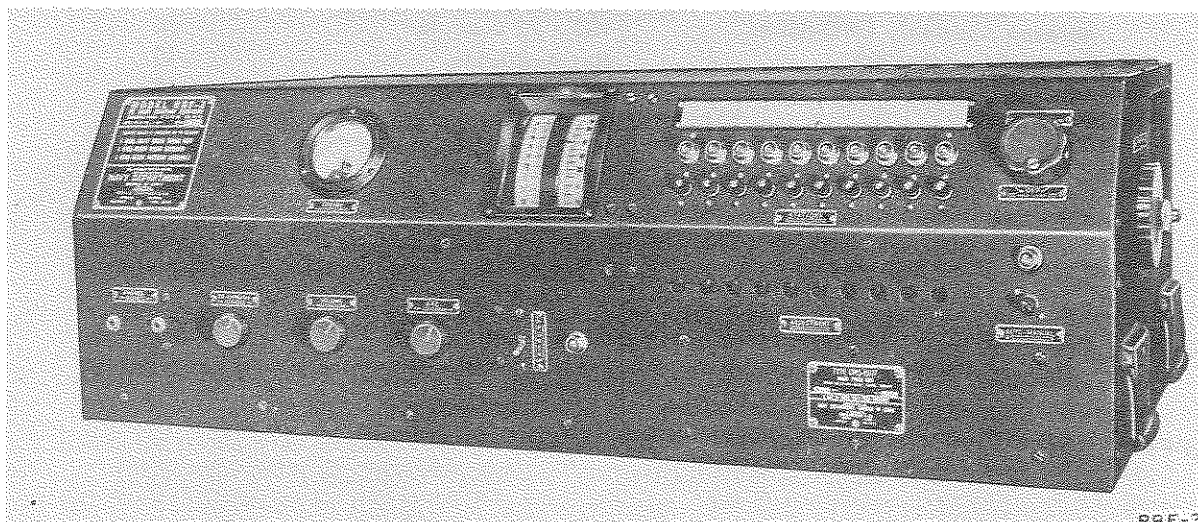


STATUS: Standard	<b>AN/FRR-TYPE</b>
CLASSIFICATION OF EQUIPMENT: Unclassified	
USING SERVICE: Navy	
DATE OF THIS SHEET: 4 Apr 52	SERVICE TYPE NUMBER: RBF-3
	RADIO RECEIVING EQUIPMENT



Radio Receiving Equipment RBF-3 is an f-m superheterodyne receiver designed for monitoring signals from as many as 10 sono-radio-buoy transmitting equipments. It is used in harbor defense and under-water sound detection applications.

The receiver has a special tuning unit which provides manual tuning, push-button tuning, or (by means of a motor driven tuning and muting device) continuous automatic tuning of one station after another for 5-second periods.

The receiving equipment is complete and ready for installation except for a headset, required but not supplied.

In an emergency, the receiver can be operated from batteries, using manual tuning only.

<b>AN/FRR-TYPE</b>		INSTRUCTION LITERATURE: NavShips 900,225
		CLASSIFICATION OF EQUIPMENT: Unclassified
RBF-3	SERVICE TYPE NUMBER	USING SERVICE : Navy
RADIO RECEIVING EQUIPMENT		DATE OF THIS SHEET : 4 Apr 52

**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver CWQ-46204	12-7/16 x 39-1/8 x 18-3/16	235
1	Radio Tuner Unit CWQ-10177	Not Available	Not Available
1	Antenna Assembly CWQ-66084	152 x 72 diameter	34
1	Ground Plane A-1202	Not Available	10
1	Antenna Coaxial Cable CASSN-70-1	200 feet long	17
1	Constant Voltage Transformer 30B722	Not Available	55

**OPERATIONAL CHARACTERISTICS**

TACTICAL USE: Shore stations.

INSTALLATION: Shore.

APPROXIMATE RANGE (IN MILES): Medium.

CAN COMMUNICATE WITH: AN/TRC-1, -3, -4.

**TECHNICAL CHARACTERISTICS**

FREQUENCY RANGE IN MEGACYCLES: 70 - 90.

TYPE MODULATION: Fm.

TYPE OF SIGNAL: Cw, mcw, voice.

POWER OUTPUT: 500 mw into 50 - or 5,000-ohm load.

POWER REQUIREMENTS: 215 w, 95-125 v, 50/60 cyc, 1 phase.  
 Battery operation: 53 w, 8 v; 45 w, 300 v.

**PHYSICAL CHARACTERISTICS**

Radio Receiving Equipment RBF-3 measures 12-7/16 x 39-1/8 x 18-3/16 inches, net weight 235 pounds.  
 Packed for domestic shipment: Total weight 880 pounds, total volume 43.49 cu ft, 1.1 ship tons.  
 Shipped in 6 packages.