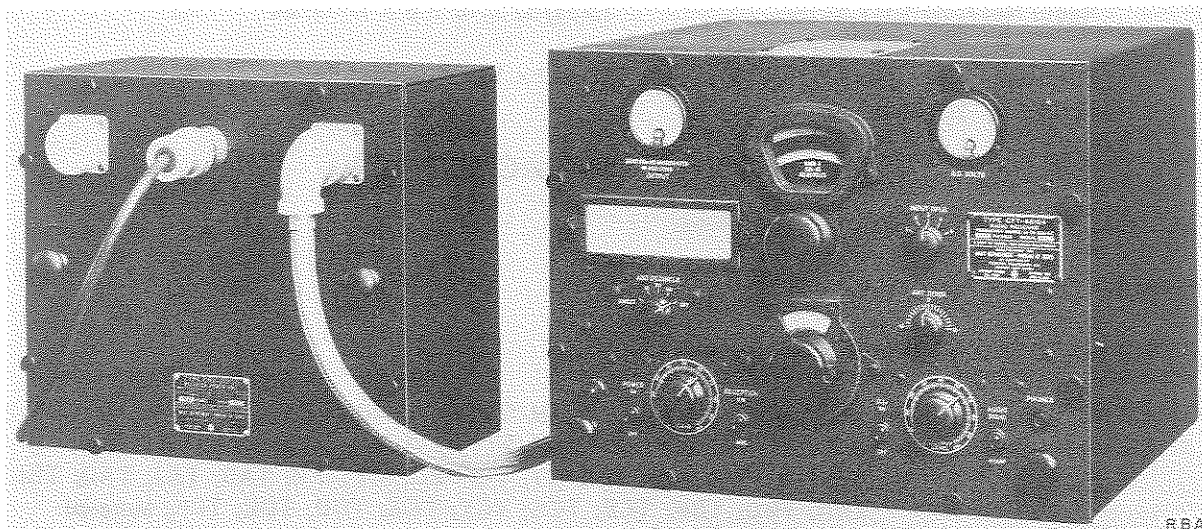


STATUS: Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: See note below *
DATE OF THIS SHEET: 8 Apr 52

AN/URR-TYPE

SERVICE TYPE NUMBER: RBA, RBA-1, -2, -3, -5, -7

RADIO RECEIVING EQUIPMENT



Radio Receiving Equipments RBA, RBA-1, -2, -3, -5, and -7 are general purpose shipboard or shore station radio receivers of l-f and m-f signals.

These equipments include provision for operating a number of receivers from a common antenna and transmission line.

Automatic regulation of receiver output signal voltage (as a function of load resistance) permits from one to twenty 600-ohm headphones to be connected across the output circuit with less than 40 percent change in output voltage.

The various models of these equipments are electrically and mechanically interchangeable.

Sensitivity is 10 microvolt input for 6-mw output on c-w operation. Input impedance is adjustable over a wide range.

*USING SERVICE: RBA, Navy, Army.
RBA-1, -2, -3, -5, -7 Navy.

AN/URR-TYPE	INSTRUCTION LITERATURE: NavShips 900, 473; NavShips 900, 708
	CLASSIFICATION OF EQUIPMENT: Unclassified
RBA, RBA-1, -2, -3, -5, -7	SERVICE TYPE NUMBER
RADIO RECEIVING EQUIPMENT	USING SERVICE: See note below *
	DATE OF THIS SHEET: 8 Apr 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver CFT-46154, -46154-A, -46154-B	13-31/32 x 18-1/8 x 17-19/64	95
1	Rectifier Power Unit CRV-20130, -20130-B, -20130-D	13-1/2 x 15 x 9-3/4	52

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard or shore stations.

INSTALLATION: Ground, shipborne.

APPROXIMATE RANGE (IN MILES): Long.

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

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.015-0.6, in 4 bands.

Band 1: 0.015 — 0.038

Band 3: 0.095 — 0.235

Band 2: 0.038 — 0.095

Band 4: 0.235 — 0.600.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw and mcw on all bands. Voice reception is possible, but some distortion is present below 0.3 mc due to the high order of selectivity and a-f filters.

POWER OUTPUT: 50 mw into 600-ohm load; 500 mw into 30-ohm load.

POWER REQUIREMENTS: 66 w, 110 — 120 v, 55 / 65 cyc, 1 phase.

PHYSICAL CHARACTERISTICS

Radio Receiving Equipment RBA, RBA-1, -2, -3, -5 or -7 measures 27-1/4 x 18-5/32 x 20-9/16 inches, net weight 147 pounds, volume 3.73 cu ft. Packed for domestic shipment: total weight 365 pounds, total volume 29.03 cu ft, 0.73 ship ton.

*USING SERVICE: RBA, Navy, Army.
RBA-1, -2, -3, -5, -7 Navy.