

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

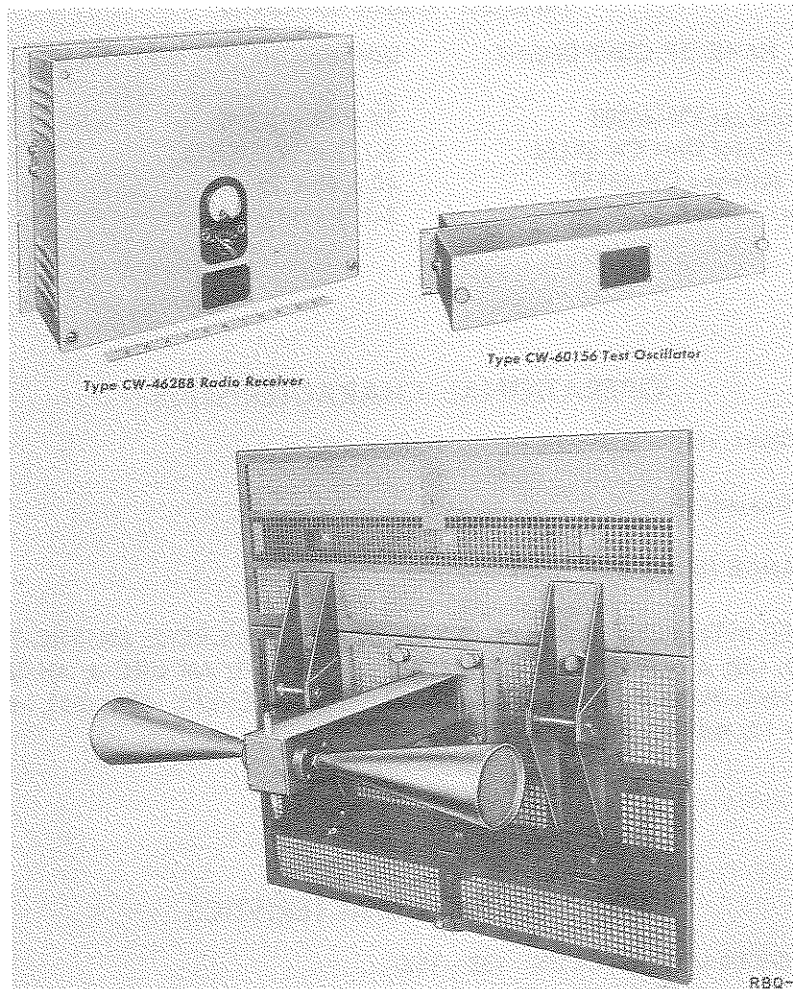
DATE OF THIS SHEET: 2 May 52

**AN/FRR-TYPE**

SERVICE TYPE NUMBER:

RBQ-1

HIGH FREQUENCY RADIO RECEIVING EQUIPMENT



High Frequency Radio Receiving Equipment RBQ-1 is used as the radio receiving terminal of a permanent point-to-point v-h-f radio link system. It provides one crystal-controlled channel within the frequency range 132 to 156 mc. Facilities are provided for local or remote control of the equipment.

It is used for reception of one voice channel, two voice-frequency carrier telephone channels, or multichannel v-f carrier telegraph.

Portable antenna, Navy Type CW-66157, is used for semipermanent installations. For permanent high-tower installations either 9-db antenna, Western Electric Co. Type D-150428, or 3-db antenna, Western Electric Co. Type D-150427, is required but not supplied.

Outdoor cabinet, Navy Type CW-10589, is available, which permits installation of the equipment at the base of the antenna tower or pole.

AN/FRR-TYPE		INSTRUCTION LITERATURE: NavShips 900,621
RBQ-1	SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
HIGH FREQUENCY RADIO RECEIVING EQUIPMENT		USING SERVICE : Navy
		DATE OF THIS SHEET : 2 May 52

## MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver CW-46288	14 x 19 x 9-5/8	Not Available
1	Test Oscillator Unit CW-60156	3-1/2 x 19 x 9-3/4	" "
1	Portable Antenna CW-66157	40 x 40 x 25	65
1	Spare Part Panel CW-10569	3-1/2 x 19 x 5	Not Available

## OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations.

INSTALLATION: Ground.

APPROXIMATE RANGE (IN MILES): Line of sight.

CAN COMMUNICATE WITH: AN/ARC-1, -3, -5, -18, -28, -36; AN/CRC-2; AN/FRC-7; AN/GRC-30; AN/MRC-16, -20, -22; AN/PRC-17, -20; AN/TRC-7; AN/TRQ-1; AN/URC-4; AN/URT-7, -10; AN/VRC-1; BC-640; MAW; MBS; RC-257; SCR-522, -542, -573, -575, -624, -641, -643; TDG; TDQ; TDT; ARC Type 12; Wilcox 99A.

## TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 132 - 156.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Mcw, voice.

POWER OUTPUT: 30 mw into 600 ohm load.

POWER REQUIREMENTS: 110 w, 110-120 v, 60 cyc, 1 phase, ac.

## PHYSICAL CHARACTERISTICS

High Frequency Radio Receiving Equipment RBQ-1 measures 21 x 19 x 9-5/8 inches.