

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

DATE OF THIS SHEET: 29 May 52

AN/TCA-TYPE

SERVICE TYPE NUMBER:

UH

RADIO-LINE TERMINAL EQUIPMENT



Radio-Line Terminal Equipment UH is control equipment used for a radio relay link. It separates the transmitting and receiving paths to the radio transmitter and receiver when a two-wire line is used for connection to a line terminal and provides a means of adjusting the levels to the required values in either two- or four-wire operation. It is used as a component of Portable Carrier Control System UF.

Telephone communication between radio line terminals (over the radio link) is possible but interrupts telegraph service. This equipment has two separate channels, one for passing the higher circuit frequencies and one for passing the lower circuit frequencies.

AN/TCA-TYPE		INSTRUCTION LITERATURE: NavShips 900,223
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
2	Control Unit CW-23427	Not Available	Not Available
2	Telephone Set Unit CW-51068	20 x 2-1/2 x 7	" "
2	Cabinet CW-10332	24-1/4 x 17-1/8 x 23-7/8	" "

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations.

INSTALLATION: Ground transportable.

CAN COMMUNICATE WITH: This is signal-modifying equipment used in conjunction with primary communication apparatus.

TECHNICAL CHARACTERISTICS

FACILITIES REQUIRED FOR TRANSMISSION: Between UH and UG, two- or four-wire line; between UH and radio link equipment, two-wire line.

FREQUENCY: 500 to 2,050 cps in two groups:
Low group - 500 to 1,235 cps.
High group - 1,235 to 2,050 cps.

TYPE OF MODULATION: Am.

POWER REQUIREMENTS: 15w, 103 — 126 or 207 — 253 v, 50/60 cyc, 1 phase ac (per cabinet).

PHYSICAL CHARACTERISTICS

Radio-Line Terminal Equipment UH measures 24-1/4 x 17-1/8 x 23-7/8 inches, net weight 326 pounds, volume 11-1/4 cu ft. Packed for domestic shipment: total weight 746 pounds, total volume 27 cu ft, 0.675 ship ton.