

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

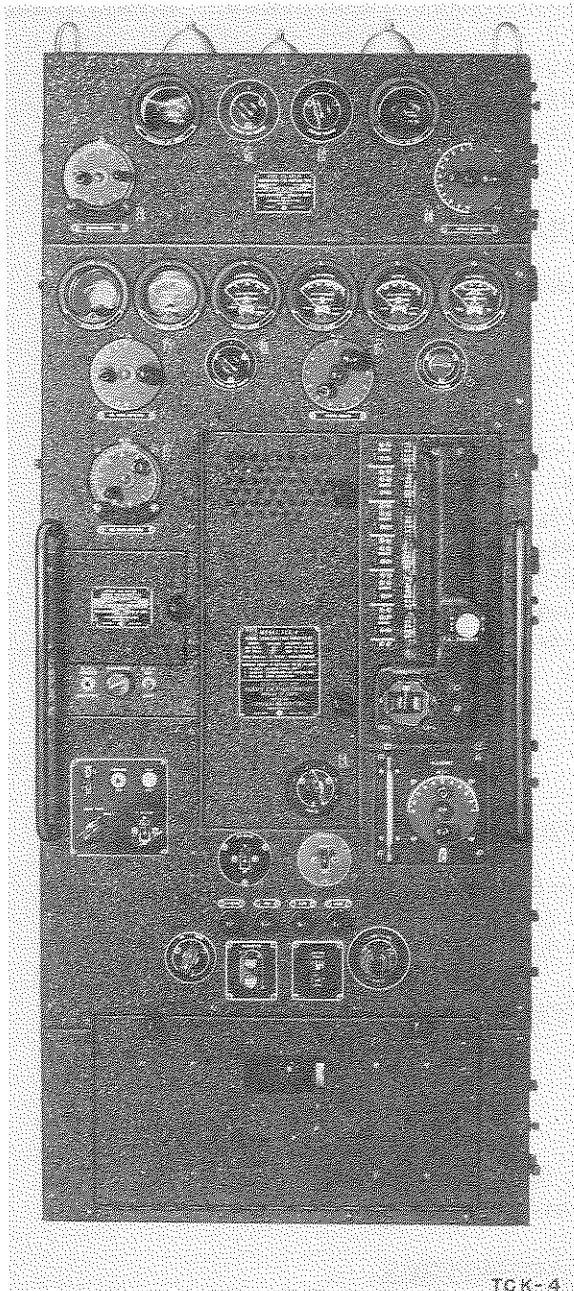
DATE OF THIS SHEET: 29 Apr 52

AN/URT-TYPE

SERVICE TYPE NUMBER:

TCK-4, -6

RADIO TRANSMITTING EQUIPMENT



TCK-4

Radio Transmitting Equipment TCK-4 and TCK-6 are medium-power, m-f, and h-f telegraph and telephone transmitters designed for general purpose and shore use. However, installation of shock mounting to the units adapt them to shipboard installation.

TCK (series) are small in size, with a relatively high output, and are used where space is at a premium.

They may be operated from the front panel or from a remote location by use of a standard four- or six-wire Navy control unit.

Frequency control is by means of a continuously variable master oscillator.

Either single vertical-wire antennas, or antennas having balanced transmission lines can be used.

AN/URT-TYPE		INSTRUCTION LITERATURE: NavShips 900,210
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter CG-52299	52-5/16 x 25 x 18-1/4	290
1	Rectifier Power Unit CG-20219	51-25/32 x 24-13/16 x 16	375
1	Transmission Line Coupling Unit CG-50199	11-18/32 x 25 x 16-3/32	65

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations, advanced bases, or shipboard.

INSTALLATION: Ground, shipborne.

APPROXIMATE RANGE (IN MILES): Medium, long.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -7, -12, -20, -32; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRR-3, -8, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -4; AN/VRR-2; BC-312, -342, -348, -779, -794, -1004; MBS; MQ; OA-58/FRC, -59/FRC; R-62/PR, -80/PR, -96/SR, -129/U, -203/SR, -205/U, -206/PR, -208/FR, -209/FR, -210/U, -211/U, -213/SR, -274/FRR, -320/FRC, -388/URR; RAL; RAO; RAS; RBB; RBC; RBG; RBH; RBM; RBO; RBP; RBS; RCF; RCG; RCH; RDE; RDM; REA; SCR-177, -188, -193, -244, -274, -281, -399, -499, -506, -536, -543, -585, -593, -694, -704; TBO; TBX; TCH; RCP; TCS; AR-88 (RCA); Collins 18S-4 (AF Model); Collins 75A-2; Fisher TS 25-3; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 2.0 - 18.1 in 6 bands.

Band 1: 2.0 - 3.0

Band 3: 4.5 - 6.0

Band 5: 9.0 - 12.0

Band 2: 3.0 - 4.5

Band 4: 6.0 - 9.0

Band 6: 12.0 - 18.1.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, icw, voice.

POWER OUTPUT: Cw: 400 w.

Voice: 100 w.

POWER REQUIREMENTS: TCK-4: 1.8 kw, 115/230 v, 50/60 cyc, 1 phase, ac.

TCK-6: 1.8 kw, 220 v, 60 cyc, 3 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Transmitting Equipments TCK-4, -6 measure 61-23/32 x 25 x 18-1/4 inches, net weight 880 pounds, volume 28.5 cu ft, 0.7 ship ton. Packed for domestic shipment: total weight 1,288 pounds, total volume 102.3 cu ft, 2.55 ship tons. Shipped in 3 packages.