

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

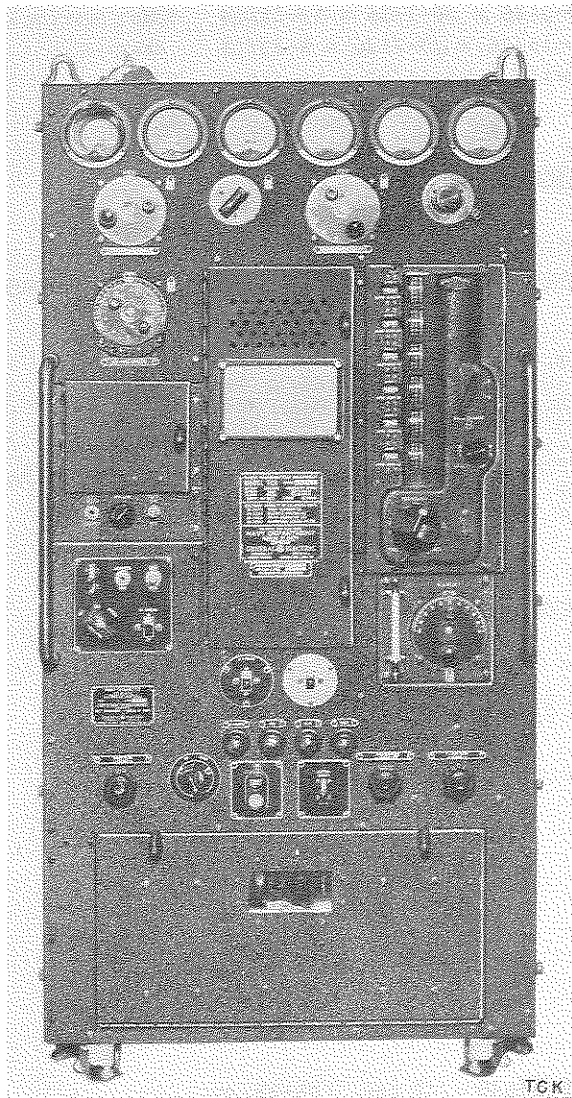
USING SERVICE: Navy

DATE OF THIS SHEET: 29 Apr 52

AN/URT-TYPE

SERVICE TYPE NUMBER: TCK, TCK-1, -2

RADIO TRANSMITTING EQUIPMENT



Radio Transmitting Equipments TCK, TCK-1, and -2 are general purpose, medium-power, m-f and h-f telegraph and telephone transmitters designed for ship or shore use.

The TCK (series) transmitters are small 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.

Single vertical-wire antennas are recommended for these transmitters.

The TCK is available with either a 220/440-v ac, 115-v dc, or 230-v dc motor generator set. The TCK-1 and -2 are furnished with 220/440-v, 60-cyc, 3 phase, ac, motor generator sets.

AN/URT-TYPE

INSTRUCTION LITERATURE:
NavShips 900,210
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TCK, TCK-1, -2 :SERVICE TYPE NUMBER
RADIO TRANSMITTING EQUIPMENT

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter CG-52214, -52215, -52216, -52216-A	52-5/16 x 25 x 18-1/4	285
1	Magnetic Controller CG-21627, -21628, -21629, -21630	29-3/16 x 19-7/16 x 13-11/16 19-15/16 x 20-7/16 x 8-13/16	130 40
1	Motor Generator Set CG-21631, -21632, -21633	14-1/8 x 41-15/16 x 11-1/4	370

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard or shore stations.

INSTALLATION: Shipborne, ground.

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, -28, -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; TCP; 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 2: 3.0 - 4.5

Band 3: 4.5 - 6.0
Band 4: 6.0 - 9.0

Band 5: 9.0 - 12.0
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, TCK-1, -2: 2.4 kw, 220/440 v, 60 cyc, 3 phase, ac.
TCK: 2.3 kw, 115 v, dc.
TCK: 2.3 kw, 230 v, dc.

PHYSICAL CHARACTERISTICS

Radio Transmitting Equipments TCK, TCK-1, -2 measure 52-5/16 x 25 x 18-1/4 inches.