

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

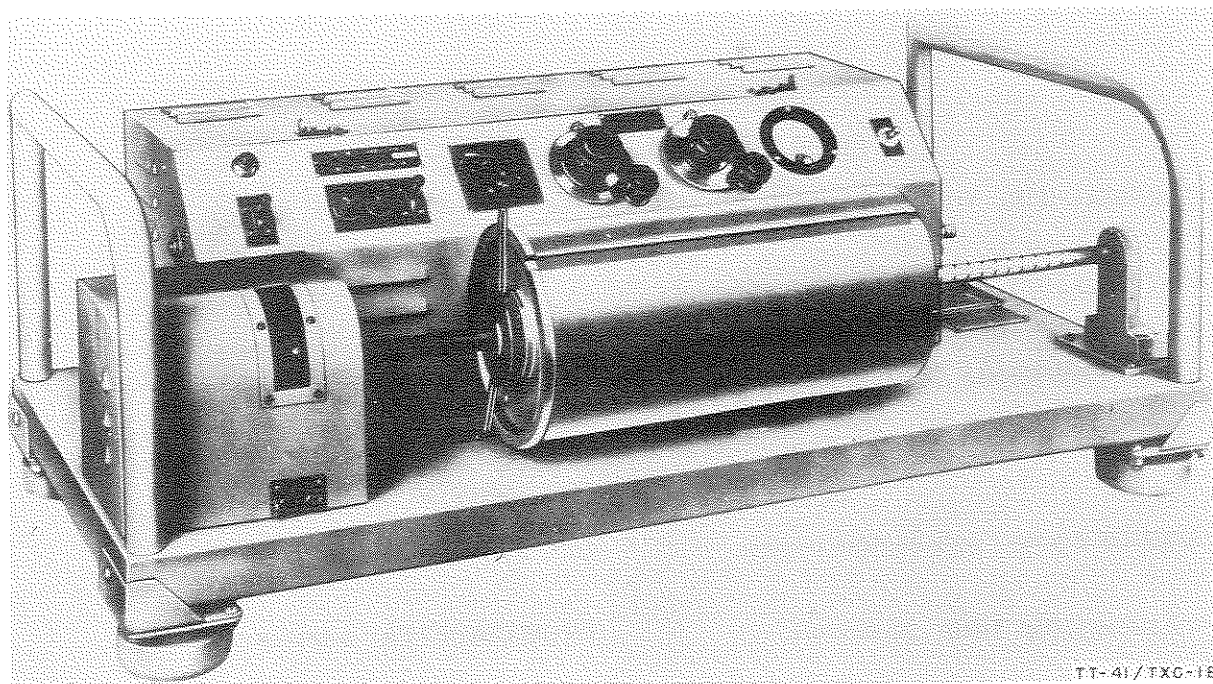
DATE OF THIS SHEET: 8 May 52

AN/TXC-TYPE

AN/COMP TYPE NUMBER:

TT-41/TXC-1B

FACSIMILE TRANSCEIVER



Facsimile Transceiver TT-41/TXC-1B is an electromechanical-optical facsimile set of the revolving drum type, for transmission and reception of maps, photographs, sketches, or text between fixed stations, over point-to-point radio (a-m; voice, or cw) or wire communication channels.

This equipment is transportable, but has no carrying case, although a canvas dust cover is provided.

Provision has been made for a talk-back circuit, using an external speaker, and the output jack on the left side of the panel assembly.

Special features are the paper holding brush (so that only the leading edge must be clamped), and half speed operation to reduce echo effects encountered under conditions of multipath radio reception.

AN/TXC-TYPE	INSTRUCTION LITERATURE: NavShips 91068
	CLASSIFICATION OF EQUIPMENT: Unclassified
TT-41/TXC-1B : AN/COMP TYPE NUMBER	USING SERVICE : Navy
FACSIMILE TRANSCEIVER	DATE OF THIS SHEET : 8 May 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
-------	-------------------	---------------------------	--------------

(Equipment consists only of a single major operating component).

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Visual transmitting and receiving installations.

INSTALLATION: Ground, transportable.

CAN COMMUNICATE WITH: Facsimile Recorders RD-92/UX, other Facsimile Transceivers TT-41/TXC-1B, and equivalent facsimile equipment.

TECHNICAL CHARACTERISTICS

SIZE OF COPY: 12 x 19-1/16 inches. **LINES PER INCH:** 96.

TRANSMISSION TIME: 20 minutes. **DRUM DIAMETER:** 6 inches.

DRUM SPEED: 60 rpm. **INDEX OF COOPERATION:** 576 (international index).

TYPE OF RECORDING: Direct or photo. **PHASING SIGNAL:** Pulses (1 per sec.)

TYPE OF MODULATION: Am, 1.8 kc carrier on wire lines.

TYPE TRANSMISSION FACILITIES REQUIRED: Conventional am voice radio transmitter and receiver, Converter CV-2/TX with Exciter Unit 0-5/FR and cw radio transmitter and receiver, or wire transmission facilities.

POWER REQUIREMENTS: 250 w, 100-130 v, 50 - 65 cyc, 1 phase. **OUTPUT VOLTAGE LEVEL AND IMPEDANCE:** 0 to +25 dbm, 600 ohms.

PHYSICAL CHARACTERISTICS

Facsimile Transceiver TT-41/TXC-1B measures 10-3/4 x 17-3/8 x 34-3/8 inches, net weight 85 pounds, volume 3.5 cu ft. Packed for domestic shipment: total weight 218 pounds, total volume 8.4 cu ft.