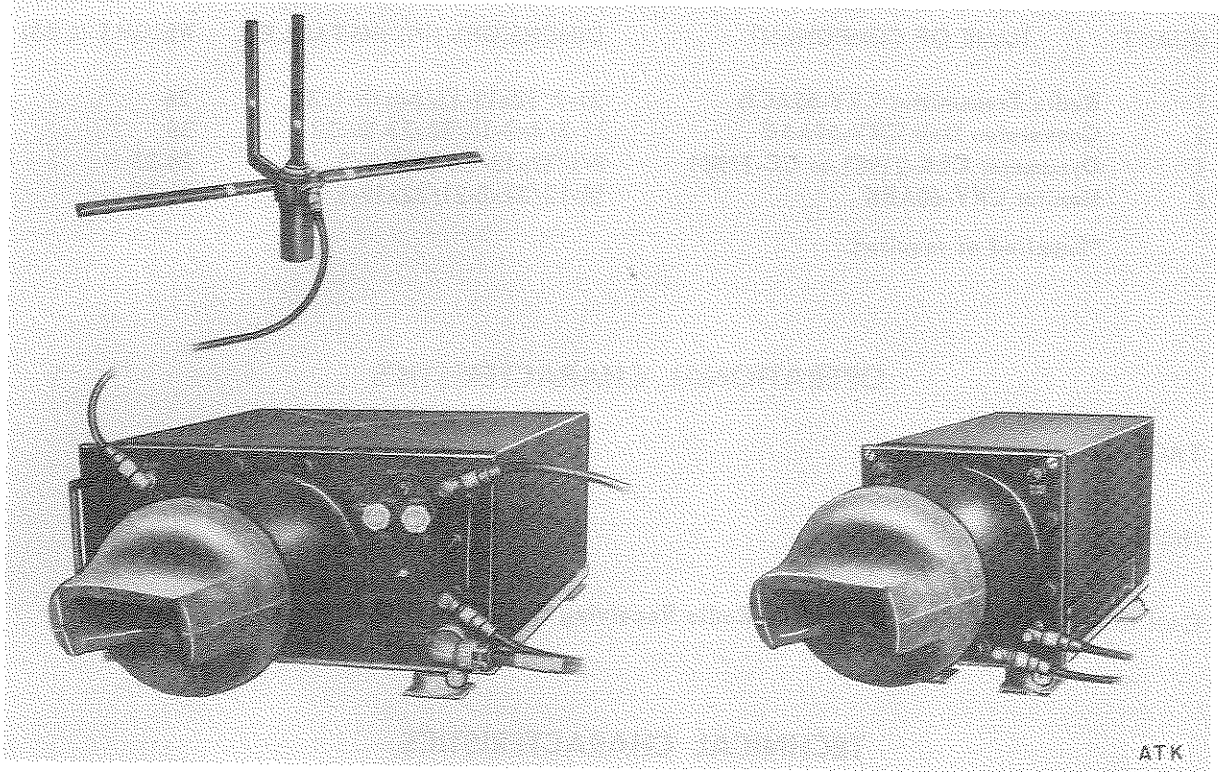


STATUS: Limited Standard
 CLASSIFICATION OF EQUIPMENT: Unclassified
 USING SERVICE: Navy
 DATE OF THIS SHEET: 9 May 52

AN/AXT-TYPE
 SERVICE TYPE NUMBER: ATK
 AIRCRAFT RADIO TRANSMITTING EQUIPMENT



The ATK Aircraft Radio Transmitting Equipment is a uhf transmitter for use in and by aircraft, in conjunction with ARK Aircraft Radio Receiving Equipment, to comprise a complete system used for plane-to-plane radio television transmission. Scenes visible from an aircraft using the ATK may be reproduced in another aircraft using the ARK, at a distance of about 10 miles.

The equipment can operate on any one of 10 frequency channels, and up to 10 separate sets of equipments may be operated simultaneously within the same general area. The equipment will operate under severe conditions of vibration, temperature, humidity, and altitude. The power output of the transmitter is 19 w.

Either cylindrical or elliptical type antenna is supplied for channels 1 through 5; elliptical type only for channels 6 through 10.

Antennas used are as follows: CRV-66AED, -66AEE, -66AEF, -66AEG, -66AEH, -66AFX, -66AFY, -66AFZ, -66AGA, -66AGB, -66AEJ, -66AEK, -66AEL, -66AEM, or -66AEN.

AN/AXT-TYPE		INSTRUCTION LITERATURE: AN 16-45-69, 08-55-79
		CLASSIFICATION OF EQUIPMENT: Unclassified
ATK	: SERVICE TYPE NUMBER	USING SERVICE : Navy
AIRCRAFT RADIO TRANSMITTING EQUIPMENT		DATE OF THIS SHEET : 9 May 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter CRV-52ACB	31-9/32x12-13/64x18-1/32	26
1	Conversion Unit CRV-59AAE	11-3/4x9-13/32x23-15/32	36
1	Dynamotor CEK-21981 or CC-21981	9-9/32x13-13/32x6-1/2	26.25
* 1	Monitor CRV-60ABK	10-17/32x8-21/32x19-5/8	31.25

*Supplied as required.

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Aircraft.

INSTALLATION: Airborne.

CAN COMMUNICATE WITH: Aircraft Radio Receiving Equipment ARK.

TECHNICAL CHARACTERISTICS

FREQUENCY: 264 - 372 mc, in 10 channels.

SCREEN SIZE: 7 in. crt (monitor unit).

ASPECT RATIO: 4:3.

FRAMES PER SECOND: 40.

LINES/INTERLACE: 350 scanning lines.

SYNCHRONIZING SIGNALS: Pulses.

POWER REQUIREMENTS: Transmitter with monitor; 850 w, 27-31 v dc.

PHYSICAL CHARACTERISTICS

Aircraft Radio Transmitting Equipment ATK weighs 130.25 pounds net.