

STATUS: Substitute Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Air Force

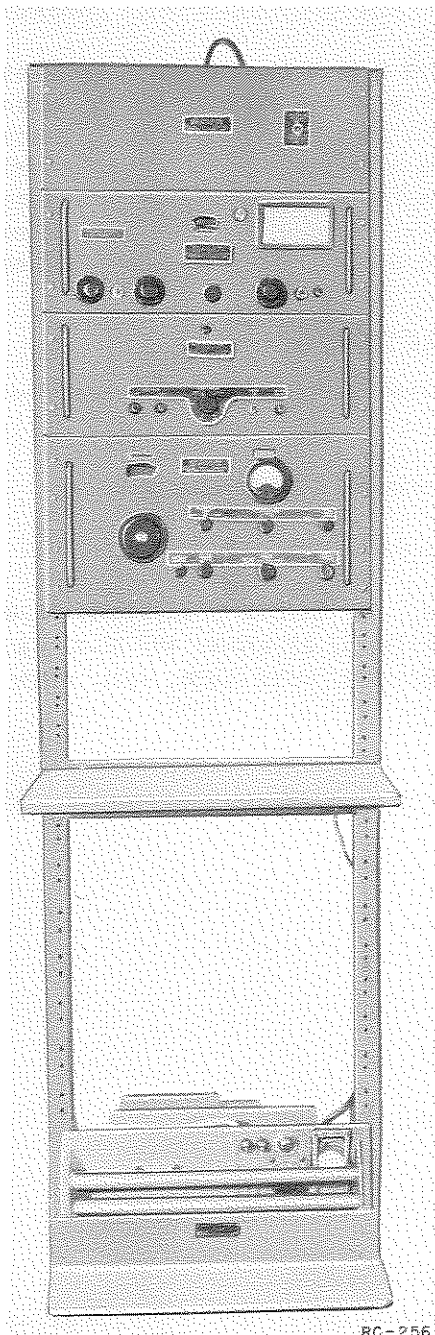
DATE OF THIS SHEET: 12 May 52

AN/FRR-TYPE

SERVICE TYPE NUMBER:

RC-256

RADIO RECEIVING EQUIPMENT



RC-256

Radio Receiving Equipment RC-256 is a-m (voice, cw, icw and tone) equipment which operates in the frequency range 100 to 156 mc. It is used with, but not part of, Radio Transmitter RC-257 to form a single-channel radio-link terminal station for point-to-point and air-to-ground communication.

The input impedance matches Radio Frequency Cable RG-11/U coaxial cable for operation with Antenna Equipment RC-81 or RC-81-C.

This receiver provides continuous tuning over its entire frequency range.

A series type noise limiter is built-in for reduction of pulse type interference.

Frequency Meter BC-1420 is supplied for the precise calibration of this equipment.

AN/FRR-TYPE		INSTRUCTION LITERATURE: TO 16-40RC-256-6-3-4-6
RC-256 :SERVICE TYPE NUMBER		CLASSIFICATION OF EQUIPMENT: Unclassified
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver BC-1421	10-15/32 x 19 x 13-9/16	38.00
1	Rectifier RA-147	8-23/32 x 19 x 6-31/32	26.00
1	Frequency Meter BC-1420	7 x 19 x 11-1/2	35.00
1	Switching Panel PN-56	6-31/32 x 19-1/8	7.50
1	Antenna Equipment RC-81-C	Not Available	6.75
1	Fuse Panel PN-15-B	5 x 19 x 5	24.00
1	Frame FM-39	72 x 20 x 3	121.00

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Normally issued on any organizational level as project material in accordance with AFR 100-17.

INSTALLATION: Ground, fixed designed for mounting in standard 19-inch relay rack.

APPROXIMATE RANGE (IN MILES): (Nominal) Line of sight.

CAN COMMUNICATE WITH: AN/ARC-1, -3, -5, -15, -28, -36; AN/CRC-2; AN/FRC-7; AN/GRC-30; AN/MRC-16, -20, -22; AN/PRC-17, -20; AN/TRC-7; AN/TRQ-1; AN/URC-4; AN/URT-7, -10; AN/VRC-1; BC-640; MAW; MBS; RC-257; SCR-522, -542, -573, -575, -624, -641, -643; TDG; TDQ; TDT; ARC Type 12; Wilcox 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 100 - 156.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice, cw, icw and tone.

POWER OUTPUT: 1.2 w into 600 ohm impedance (maximum).

POWER REQUIREMENTS: 100 w, 110-125/220-250 v, 60 cyc, 1 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Receiving Equipment RC-256 measures 72 x 20 x 13-9/16 inches, net weight 725 pounds, volume 44 cu ft, 1.1 ship tons. Packed for either domestic or export shipment: total weight 948 pounds, total volume 66.53 cu ft, 1.66 ship tons. Shipped in 2 packages.