

AN/MPQ-4A Radar Set
PHASED OUT

Status: STD-A; NSN: 5840-00-543-0759

Reference: TM 11-5840-208-10

General Information

The AN/MPQ-4A is a mobile, intercept-type (nontracking) radar set designed primarily to direct and locate hostile weapons and secondarily to adjust low-velocity artillery fire. Local or remote operation of the set is possible. In local operation, the control indicator group is operated in position on the radar trailer. In remote operation, the control indicator group is moved up to 45.72 m (150 ft) from the radar trailer.

Major Components

1 Antenna Group OA-1258/MPQ-4A	1 Control Indicator Group
1 Receiver-Transmitter Group OA-1257/MPQ-4A	OA-1256/MPQ-4A

Technical Characteristics

Range-----	Maximum, 15,000 m (16,404 yd); minimum, 225 m (246 yd)
Type-----	Pulse modulated
Target Indicator-----	B-scope
Beam Data-----	Coverage is 445 millimeters fixed-sector scanning
Frequency-----	16 GHz \pm 160 MHz
Peak Power-----	50 kw minimum
Pulse Repetition Rate-----	7,000 PPS
Pulse Width-----	0.25 microsecond
Power Input-----	120/208 V AC, 400 Hz
Power Source-----	Generator Set PU-304C/MPQ-4A
Weight-----	3,015 kg (6,633 lb), with 55 gal MOGAS

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