

**Section I. Frequency Modulated Radio Sets**

**AN/PRC-25  
Radio Set**

**NSN:** 5820-00-857-0759

**Reference:** TM 11-5820-398-12

**General Information**

The AN/PRC-25 is a short-range, manpack, portable frequency modulated (FM) transceiver that provides two-way voice communication. The RT-505 and RT-505A transceiver radios are similar components. Both case modules are identical; however, the internal module circuits of the RT-505A are micro-modularized. The modules of the two radios are physically and electrically interchangeable. The RT-505 and the RT-505A are part of the AN/PRC-25. They can be used as part of vehicular Radio Sets AN/VRC-53 and AN/GRC-125.

**Technical Characteristics**

Frequency Range .....	Low band, 30.00 to 52.95 MHz; High band, 53.00 to 75.95 MHz
Power Output .....	1.1 to 2.0 W
Power Source .....	Batteries, dry BA-4386/U and BA-398/U
Distance Range .....	5 to 8 km (3 to 5 mi)
Antenna .....	AT-892 semirigid tape, AT-271A multisection whip, RC-292 ground plane, OE-254
Type of Service .....	30 K0F3E
Weight .....	10.7 kg (23.5 lb ) with battery
Limitation .....	Nonsecure operation

# AN/PRC-25 Radio Set

