

**FM 24-24**

**AN/VRC-53, AN/VRC-64, AN/GRC-125,  
and AN/GRC-160  
Radio Sets**

**NSN:** 5820-00-223-7467 (AN/VRC-53)  
5820-00-223-7475 (AN/VRC-64)  
5820-00-223-7411 (AN/GRC-125)  
5820-00-223-7473 (AN/GRC-160)

**Reference** TM 11-5820-498-12

**General Information**

The AN/VRC-53 and the AN/VRC-64 are vehicular mounted. The AN/GRC-125 and the AN/GRC-160 can be used for vehicular and manpack operations. Both variations of the radio sets provide short range, two way, FM radiotelephone communication between vehicles and crew served weapons (tanks, armored personnel carriers). The radio sets are compatible with other FM radio sets in 30.00 to 75.95 MHz range.

**Technical Characteristics**

Frequency Range. . . . . Low band, 30.00 to 52.95 MHz;  
High band, 53.00 to 75.95 MHz  
Power Output. . . . . 1 to 3 W  
Power Source. . . . . Batteries, dry BA-4386/U and BA-5598/U  
Distance Range. . . . . 5 to 8 km (3 to 5 mi)  
Antenna. . . . . Vehicular-mounted AS-1729/VRC, manpacked  
AT-892 semirigid tape, AT-271A multisection whip  
Vehicular Operation . . . . . 24 V DC  
Type of Service . . . . . 30 K0F3E  
Weight . . . . . 15.5 kg (33.5 lb)

# AN/VRC-53 and AN/VRC-64 Radio Sets

