

**AN/PRC-47
Radio Set**

NSN: 5820-00-861-3539

Reference: TM 11-5820-509-12

General Information

The AN/PRC-47 is an HF-SSB radio set which provides CW and upper sideband (USB) voice communications. It also provides FSK communication when operated with an FSK converter. The AN/PRC-47 may be used in portable, vehicular, or fixed-station applications. Current tactical speech security equipment is not compatible with the AN/PRC-47; therefore, secure voice is not a mode of operation.

Technical Characteristics

Frequency Range	2.0 to 11.999 MHz
Planning Range	Refer to short and intermediate distance ground wave and sky wave propagation charts (FM 11-486-6)
Number of Channels	10,000, spaced every 1 kHz
Power Input	24 V DC, 26.5 V DC or 115 V AC, 400 Hz
Power Source	BB-451/U, vehicle power system, any appropriate AC power source
Power Output	High, 100 W PEP; low, 20 W PEP
Antenna	AS-1320/PRC-47, whip; AS-1321/PRC-47, long-wire vehicular whip
Tuning	Digital
Type of Service	3K00J3E, 1K00A1A
Weight	86.3 kg (190 lb)

AN/PRC-47 Radio Set

