

AN/PRC-47 Radio Set

Status: STD-B; 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 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

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| 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) |

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