

AN/PRC-104A HF Radio Set

Status: STD-A; NSN: 5820-01-141-7953

Reference: TM 11-5820-919-12

General Information

The AN/PRC-104A is a low-power vehicular configuration of the IHFR system. It provides a much needed, reliable, full HF coverage capability of 2 to 30 MHz to tactical commanders. It has a requirement to pass secure, command and control information over medium to long distances and over varying degrees of terrain features which would normally preclude the use of VHF/FM CNR. Use of broad band or NVIS antennas enhances the communication capability of IHFR. The AN/PRC-104A consists of a receiver-transmitter of up to 20 watts of power, the associated accessories (microphone, antenna, battery, backpack), and the appropriate secure device. The AN/PRC-104A has a frequency range of 2 to 29.9999 MHz in 100 Hz steps yielding 280,000 channels and operates in the USB, LSB, and CW modes. It provides the tactical commander with a complete low-power communications system.

Technical Characteristics

Frequency Range-----	2 to 29.9999 MHz
Number of Channels-----	280,000 spaced at 100 Hz
Power Input-----	Battery or 20 to 32 V DC power supply
Power Output-----	20 W
Antenna-----	AN/GRA-50, AS-2259 NVIS
Tuning-----	Automatic antenna tuning
Mode of Operation-----	Voice, Data, CW, LSB, USB
Weight-----	6.36 kg (14 lb)
Secure Device-----	KY-65

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