

AN/GRC-213 HF Radio Set

Status: STD-A; NSN: 5820-01-128-3935

Reference: Not Available

General Information

The AN/GRC-213 is a low-power manpack/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 CNRs. Use of broad-band or NVIS antennas enhances the communication capability of IHFR. The AN/GRC-213 consists of an AN/PRC-104A (complete), audio amplifier and power conditioner, antenna switch (for use with long-wire antennas), and vehicular mounting tray to allow its installation in Army combat vehicles (tracked and wheeled). It gives the commander 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-----Whip AN/GRA-50, AS-2259
Tuning-----Automatic antenna tuning
Modes of Operation-----Voice, data, CW, LSB, USB
Weight-----13.6 kg (30 lb)
Secure Device-----KY-65, future COMSEC

AN/GRC-213 HF Radio Set

