

FM 24-24

**AN/GRC-213
High Frequency Radio Set**

NSN: 5820-01-128-3935

Reference: TM-11-5820-923-12

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 29,9999 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 very high frequency (VHF)/FM combat net radios (CNR). Use of broadband or NVIS antennas enhances the communication capability of IHFR. The AN/GRC-213 consists of 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,	20W
Antenna	Whip AN/GRA-50, AS-2259
Tuning	Automatic antenna tuning
Modes of Operation	Voice, data, CW, LSB, USB
Weight	13.6 kg (30lb)
Secure Device	KY-99, future COMSEC

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