

FM 24-24

**AN/GRC-222
Radio Set**

NSN: 5820-01-260-9945

Reference: TM 11-5820-1028-12

General Information

The AN/GRC-222 is designed as a short range wideband digital radio. The transmitter and receiver are tunable in 100 kHz steps over the 4.4 to 5.0 GHz frequency range. The modular design of the radio set reduces the amount of time necessary to troubleshoot and return the radio set to full service. If a problem occurs in a module, the procedure is to replace that module with an identical spare module. The faulty module is then returned to the factory for repair. The power supply module provides the DC power required to operate the radio set.

Technical Characteristics

Frequency Range	4.4 to 5.0 GHz
Power Input	115/230 V AC 60 HZ
Power Output	+15 V, +5 V, -5.2 V, and -20 V DC
Planning Range	40 km (25mi) LOS mode 8 km (5 mi) SRWBR mode
Antenna	AS-1425/GRC and AB-1309 (V)/TRC
Weight	44.9 kg (99 lbs)

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