

FM 24-24

**AN/GRC-143
Radio Set**

NSN: 5820-00-926-7355

Reference: TM 11-5820-595-12

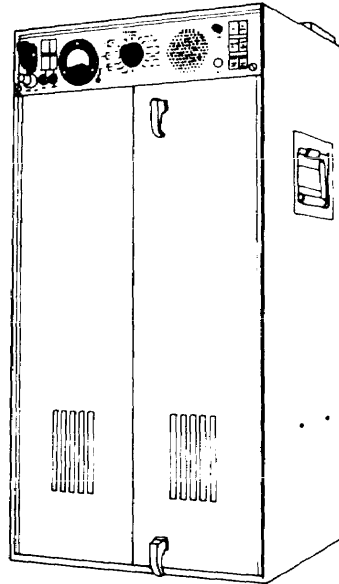
General Information

The AN/GRC-143 is a general purpose, FM tactical radio set which provides duplex operations. The radio set can be used for diffraction and tropospheric scatter modes of propagation at ranges to 161 km (100 mi), when used with a suitable antenna. The AN/GRC-143 is compatible with PCM multiplex equipment for 12 or 24 channel full-duplex operation.

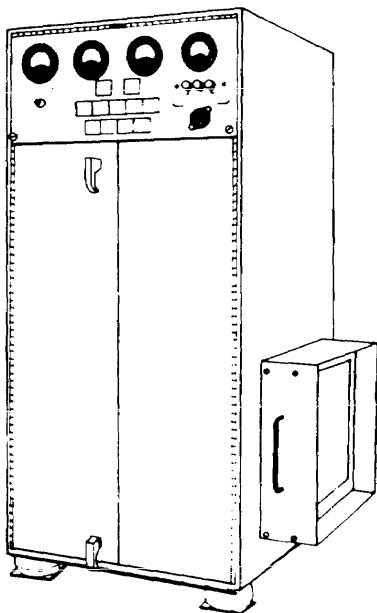
Technical Characteristics

Frequency Range	4400 to 5000 MHz
Power Output	1 kw
Power Requirement	115/230 V AC, 47 to 63 Hz, 5.37 kW
Planning Range	161 km (100mi)
Antenna	AN/TRA-37 (not included)
Type of Service	3200KF9W (PCM equipment only)
Weight	326.4 kg (719 lb)

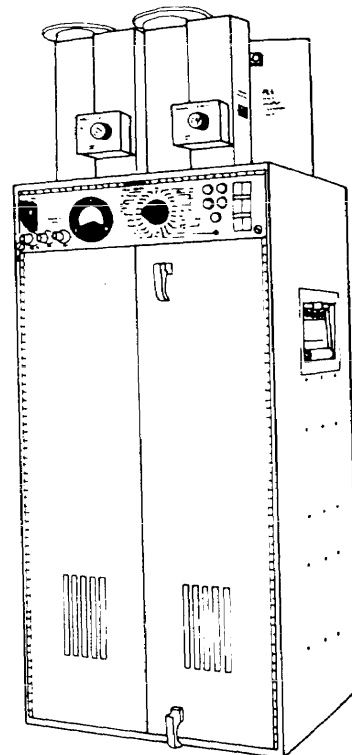
AN/GRC-143 Radio Set



TRANSMITTER, RADIO
T-961/GRC-143



AMPLIFIER, RADIO FREQUENCY
AM-6090/GRC-143



RECEIVER, RADIO
R-1287/GRC-143