

AN/GRC-171() Radio Set

Status: STD-A; NSN: 5820-00-249-8957

Reference: TM 11-5820-815-14

General Information

The AN/GRC-171() is a multichannel transistorized communication (simplex) transceiver in the ATC service. The receiver portion is capable of detecting and reproducing the audio (voice) modulator contained on the AM carrier of aircraft transmitters. The frequency source for transmit and for receive is generated by a common frequency synthesizer. The set consists of a receiver-transmitter with an integral control for a local operation receiver-transmitter. It can be operated remotely over a cable distance of at least 150 feet by use of another identical control. The radio is fully transistorized for high reliability with modular construction for ease of maintenance.

Technical Characteristics

Frequency Range-----	225 to 399.95 MHz
Number of Channels-----	3,500
Power Input-----	120 V AC, 47 to 420 Hz, single phase; 240 V AC, 47 to 420 Hz, single phase; 24 V DC
Power Output-----	20 W
Weight-----	34.05 kg (75 lb)

