

AN/GRT-21 and AN/GRT-22 Radio Transmitting Sets

Status: STD-A; NSN: 5820-00-123-3952
STD-A; NSN: 5820-00-123-3938

Reference: TM 11-5820-806-14

General Information

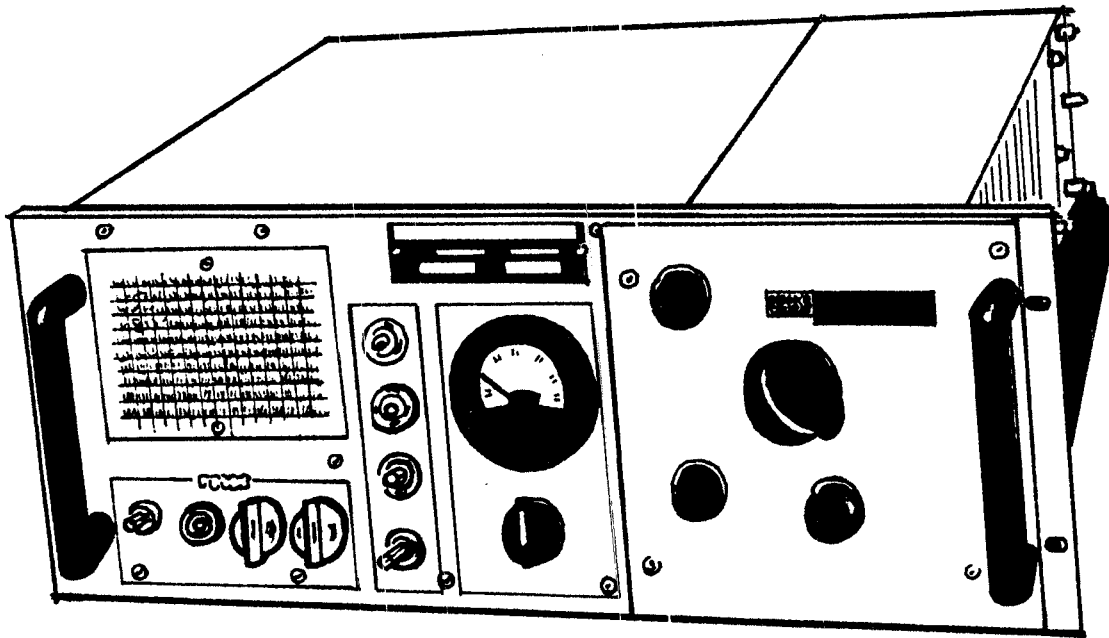
The AN/GRT-21 is a single channel, crystal-controlled, VHF transmitter designed for standard rack mounting in control towers at fixed airfields. The transmitter consists of an RF exciter unit, Transmitter Radio T-1108/GRT-21, which delivers 10 W output and an amplifier radio frequency, AM-6154/GRT-21, which delivers 50 W output. The transmitter is capable of operating on any of the 680 channels spaced 50 kHz between 116.00 MHz and 149.95 MHz (25 kHz optional). Individual quartz crystals must be replaced to change frequency of the transmitter. It can be converted to the AN/GRT-22 UHF transmitter by replacing certain frequency determining modules. This provides a transmitting capability of 3,500 UHF channels.

Technical Characteristics

Frequency Range-----116.00 to 149.95 MHz
Number of Channels-----680 VHF, 3,500 UHF
Power Input-----120 V, 240 V + 10 percent
Power Source-----Aircraft generator
Power Output-----Exciter: 10 W; power amp: 50 W
Weight-----Exciter: 20.43 kg (45 lb); power amp:
28.15 kg (62 lb)

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AN/GRT-22 RADIO TRANSMITTING SET

