

AN/TRQ-35(V) Tactical Frequency Sounding System

Status: STD-A; NSN: To be determined

Reference: Not Available

General Information

The AN/TRQ-35(V) is an ionospheric sounding system that produces easy to understand ionospheric propagation statistics on a real-time basis. The system is used to minimize outages related to unpredictable changes of ionospheric characteristics and conditions. It is intended to improve frequency management and assignments of frequencies for HF communication systems, result in more effective and efficient use of the HF spectrum, and produce more reliable HF communication with improved grade of service. The AN/TRQ-35(V) system consists of the following stand alone components.

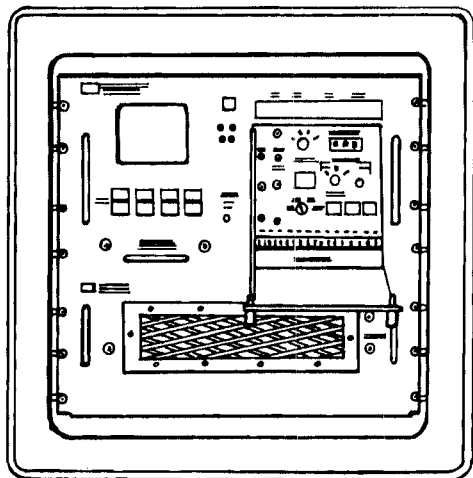
Major Components

1 Receiver R-2081/TRQ-35(V)	1 Spectrum Monitor R-2093/TRQ-35(V)
1 Transmitter T-1373/TRQ-35(V)	

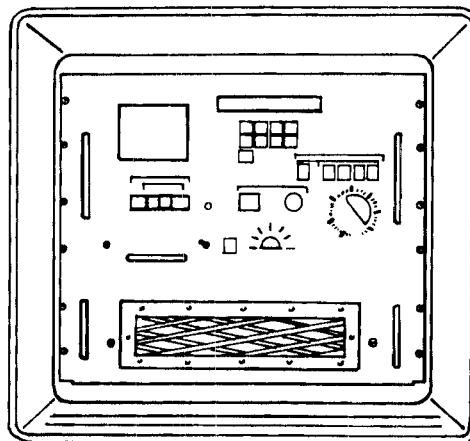
Technical Characteristics

Frequency Range-----	2 to 30 MHz or 2 to 16 MHz coverage after selected
Number of Channels-----	9,333
Channel Spacing-----	3.0 kHz
Power Input-----	115/230 V AC ± 10 percent, 47 to 440 Hz
Transmitted Power-----	0.2 W and 2 W from diplexer, ± 3 dB selectable by front panel switch; 10 W and 100 W nondiplexed output power, ± 3 dB
Weight-----	Transmitter 113.4 kg (250 lb) in case, receiver 79.4 kg (175 lb) in case, spectrum monitor 79.4 kg (175 lb) in case

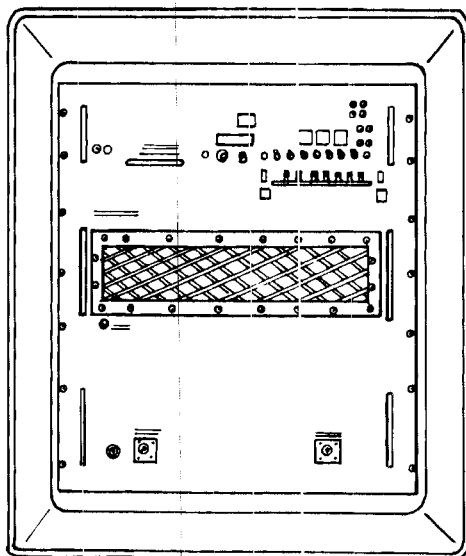
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R-2081/TRQ-35(V)



R-2093/TRQ-35(V)



T-1373/TRQ-35(V)