

AN/TRC-190(V)3 LOS Multichannel Radio Terminal

Status: To be determined; NSN: To be determined

Reference: TM 11-5820-1023-13

General Information

The AN/TRC-190(V)3 LOS multichannel radio assemblage consists of an S-250()/G shelter transported on an M-1037 (HMMWV). The (V)3 provides radio implementation at the node centers. In accommodating the multiplicity of LOS radio links that radiate from an NC, it may operate at NC switch sites together with other collocated (V)3 or (V)1 type assemblages. The (V)3 can operate as a radio relay. Operating in the terminal mode this assemblage will be connected to the NC switch by Coaxial Cable CX-11230/G. Power is provided by a PU-751/M, 5-kw, trailer-mounted, diesel generator set.

Major Components

1 Shelter S-250()/G	3 LOS Radio Sets AN/GRC-226 (ACT)
1 Orderwire Control Unit OCU-1 C-10716	2 Cable Assemblies CX-11230/G
1 VINSON COMSEC Unit KY-57	3 LOS Antenna Cables
1 Electronic Transfer Device KYK-13	1 Radio and Control Unit (DTH) AN/GRC-224(P)
1 Telephone Handset	1 Cable Reel (DTH)
	1 Trunk Group Multiplexer

Technical Characteristics

Power Requirements-----115 V AC, 50 or 60 Hz, single phase or
28 V DC

Frequency Range-----225 to 400 MHz or 1350 to 1850 MHz (LOS);
14.50 to 15.35 (DTH)

Transmission Range (Planning)-----30 km (LOS); 2 to 5 km (DTH)

Type of Modulation Group Data-----FSK

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