

AN/TRN-30(V) Radio Beacon Set

Status: STD-A; NSN: 5825-00-405-4510 (AN/TRN-30(V)1)
 STD-A; NSN: 5825-00-423-1654 (AN/TRN-30(V)2)

Reference: TM 11-5825-255-12

General Information

The AN/TRN-30(V) was developed for use by ground forces to provide a homing signal to rotary and to fixed-wing aircraft equipped with ADF equipment. The AN/TRN-30(V) is a back-packed, portable, radio transmitter designed for use with airborne ADF equipment in aircraft navigation. The set can be used in a tactical or semifixed mode utilizing amplifier-coupler AM-6417/TRN-30(V).

Technical Characteristics

Frequency Range-----	200 to 535.5 kHz and 1605 to 1750.5 kHz in 500 Hz increments
Planning Range-----	AN/TRN-30(V)1: 28 km (15 nautical miles) with 15-ft antenna; 46 km (25 nautical miles) with 30 ft antenna AN/TRN-30(V)2: 93 km (50 nautical miles) tactical mode; 185 km (100 nautical miles) semifixed mode
Number of Channels-----	AN/TRN-30(V)1: 964 AN/TRN-30(V)2: 671
Power Input-----	24 V DC, 3.3 amp maximum using Battery BA-4840/U as power source; 28 ±4 V DC, 3.3 amp maximum using external power source
Power Output-----	AN/TRN-30(V)1: 28 W; AN/TRN-30(V)2: 60 W, tactical mode, 180 W, semifixed mode
Weight-----	AN/TRN-30(V)1: 6.06 kg (13.35 lb) AN/TRN-30(V)2: 45.64 kg (100.52 lb)

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