

**AN/GSC-49
Jam-Resistant Satellite
Communications Terminal**

NSN: 5895-01-126-9198 (AN/GSC-49(V)1)
5895-01-121-9558 (AN/GSC-49(V)2)
5895-01-355-8167 (AN/GSC-49(V)3)

Reference: TM 11-5895-1162-10

General Information

The AN/GSC-49 SATCOM terminal provides jam-resistant secure communications. The terminals are provided in either a fixed or transportable configuration. All transportable terminals can be transported by truck, railroad, ship, and fixed- and rotary-wing aircraft. The terminals are designed specifically to support the Worldwide Military Command and Control System, jam-resistant secure communications point to point, secure voice and graphics conferencing, and Air Force tactical warning and attack assessment data transmission requirement.

Technical Characteristics

Type of Service 50000KF9W (single-channel voice and FSK)
Frequency Range:
 Transmit 7.29 to 8.4 GHz
 Receive 7.25 to 7.775 GHz
Planning Range 6,093 km (10,000 mi)
Power Input 120/208 V AC, 50/60 Hz
Power Source Two generators (30 kW)
Power Output 3.2 kW max
Antenna System One quick-reaction, 8-ft parabolic
 One 20-ft parabolic that can transmit multiple carriers
Set-up Time Approximately 1 hour to satellite acquisition
 with small antenna: within 12 hours for large dish

**AN/GSC-49
Jam-Resistant Satellite
Communications Terminal**

