

AN/FSC-78 and AN/GSC-39 Satellite Communications Terminals

Status: STD-A; NSN: 5895-01-007-9401 (AN/FSC-78)
 STD-A; NSN: 5895-01-070-5685 (AN/GSC-39(V)1)
 STD-A; NSN: 5895-01-077-6249 (AN/GSC-39(V)2)

Reference: TM 11-5895-1050-12
 TM 11-5895-1043-12

General Information

The AN/FSC-78 has an 18.29-m (60-ft) parabolic antenna and will provide high traffic capacity and the capability of transmitting and receiving multiple RF carriers. The components of the AN/FSC-78 are installed in an associated electronic equipment building. This terminal was designed for fixed station application only. The AN/GSC-39 differs from the AN/FSC-78 only in utilizing an 11.6-m (38-ft) parabolic dish rather than an 18.2 m (60-ft) dish.

Technical Characteristics

Type of Service-----500000KF9W (multilink, multivoice, and data)

Frequency Range:

 Transmit -----7.9 to 8.4 GHz

 Receive-----7.25 to 7.75 GHz

Planning Range-----16,093 km (10,000 mi)

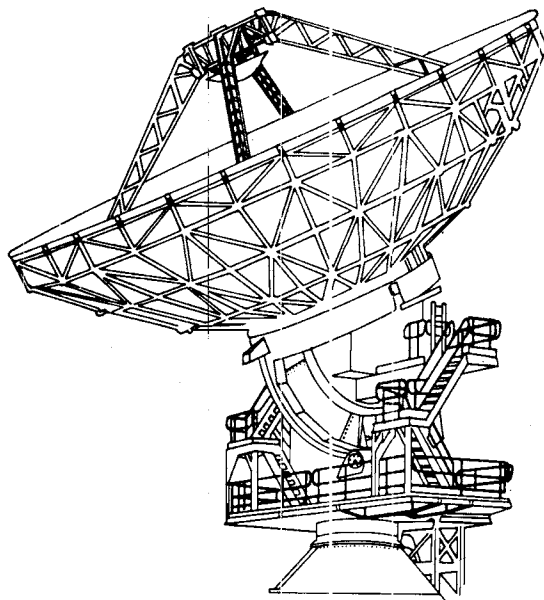
Power Input-----115/230 V AC, 50 to 60 Hz

Power Source-----Commercial power and two 500 kw back-up generators using UPS technology

Power Output-----10 kw maximum

Antenna System-----Paraboloid, 18.29-m (60-ft) diameter

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