

## AN/FSC-9 Satellite Communications Terminal

Status: STD-To be determined; NSN: To be determined

Reference: Not Available

### General Information

The AN/FSC-9 terminals have been used since the earliest days of military satellite communications. Two of these terminals were built and much of the research leading to the development of all present satellite communications systems (commercial and military) was conducted using these two terminals. The AN/FSC-9 terminal at Camp Roberts, California, is the only AN/FSC-9 terminal currently operating and providing communications via satellite from the Pacific area to continental United States.

### 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-----Any appropriate AC power source

Power Output-----Up to 20 kw

Antenna System-----Parabolic surface, 18.29 m (60 ft) in diameter, weight 172.3 MT (190 t)

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Satellite Communications Terminal**

