

# **Satellite Antenna Market Size, Share & Trends Analysis Report By Platform (Land, Space, Maritime, Airborne), By Frequency (L Band, S Band, C Band), By Technology, By Region, And Segment Forecasts, 2024 - 2030**

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## **Abstracts**

This report can be delivered to the clients within 5 Business Days

### **Satellite Antenna Market Size & Trends**

The global satellite antenna market size was estimated at USD 5.97 billion in 2023 and is expected to grow at a CAGR of 17.7% from 2024 to 2030. The increasing demand for satellite-based communication services and a growing need for reliable and high-speed connectivity across maritime, aviation, defense, telecommunications, and disaster management sectors is driving the market expansion. Satellite antennas are crucial in providing internet services to remote and underserved areas where traditional broadband infrastructure is lacking. As a result, the demand for advanced satellite antenna systems capable of delivering high-speed connectivity is expected to fuel market growth in the coming years.

Airlines are equipping their aircraft with satellite antenna systems to provide in-flight Wi-Fi for passengers, while the maritime industry is adopting compact satellite antennas for onboard communications and operations. Sectors such as coaches, trains, emergency services, and logistics present valuable opportunities for mobile satellite antennas. These antennas enable internet access and communication solutions for users on the move, thereby accelerating the popularity and adoption of satellite antennas in these sectors.

Furthermore, the ongoing technological advancements in satellite design and deployment are accelerating the market growth. Innovations such as high-throughput satellites (HTS), low earth orbit (LEO) constellations, and reusable launch vehicles have enhanced the efficiency and cost-effectiveness of satellite communications have led to improved data transmission rates, lower latency and increased coverage areas, driving the adoption of satellite antennas for various applications, including telecommunications, broadcasting, and defense.

Moreover, the development of ultra-compact satellite antennas designed to operate with high-throughput satellites is creating opportunities for market expansion. These antennas support advanced ground combat vehicles with high-speed data transmission capabilities, enabling beyond-line-of-sight applications for voice, video, and data communications. This trend is expected to fuel the market growth further.

Companies are employing a variety of strategies to enhance their market presence and capitalize on growth opportunities. They are securing contracts and forming partnerships. For instance, in June 2023, Airbus and Oerlikon signed a \$3.8 million contract focused on the industrial additive manufacturing of satellite components, specifically antenna clusters for communication satellites. These antennas will be utilized in satellites that transmit and receive signals in the K-band frequency, which is essential for modern communication systems. Such strategies by key players are expected to boost market growth in the coming years.

## Global Satellite Antenna Market Report Segmentation

This report forecasts revenue growth at global, regional, and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2018 to 2030. For this study, Grand View Research has segmented the global satellite antenna market report based on platform, technology, frequency, and region:

### Platform Outlook (Revenue, USD Million, 2018 - 2030)

Land

Space

Maritime

Airborne

Technology Outlook (Revenue, USD Million, 2018 - 2030)

SATCOM-On-the-Move (SOTM)

SATCOM On the Pause (SOTP)

Frequency Outlook (Revenue, USD Million, 2018 - 2030)

L Band

S-band

C-band

X-band

Ku-band

Ka-band

Q band

Others

Regional Outlook (Revenue, USD Million, 2018 - 2030)

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Asia Pacific

China

Australia

Japan

India

South Korea

Latin America

Brazil

Middle East & Africa

South Africa

Saudi Arabia

UAE

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