

Global GPS Anti-Jamming System Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global GPS Anti-Jamming System market size was valued at USD 4650.5 million in 2023 and is forecast to a readjusted size of USD 5781.3 million by 2030 with a CAGR of 3.2% during review period.

GPS Anti-Jamming protects GPS receivers from interference and intentional jamming. By the time the GPS signal reaches the Earth's surface is weak and is susceptible to being overcome by higher power Radio Frequency (RF) energy. Even a small jammer of about 10 Watts power can disrupt an unprotected C/A Code receiver for about 30 kilometers (line of sight). GPS Anti-Jamming uses power minimization to reduce the effect of interference and jamming so that the GPS receiver can continue to operate correctly.

GPS technology has revolutionized modern warfare. Military organizations regularly depend on satellite technology for accurate positioning, timing and communications.

But GPS signals received on Earth are weak and susceptible to interference and intentional jamming. Indeed, the signals are usually obscured by thermal noise and only observable with a tuned signal analyzer - in other words a GPS receiver.

A simple low power jammer, readily available via the World Wide Web, can overpower GPS signals within a large area, denying a position solution and timing.

Anti-jam systems are mainly used for land, sea, air (including unmanned aerial systems) in the military field.

The major players in the market are Rockwell Collins (U.S.), The Raytheon Company (U.S.), NovAtel, Inc. (Canada), Cobham plc (U.K.), and Mayflower Communications Company, Inc. (U.S.), and others. For the major players of the Anti-Jamming market, Raytheon maintained its first place in the ranking. Raytheon accounted for 6% of the Global revenue market share, followed by Rockwell Collins with about 3% revenue market share.

The Global Info Research report includes an overview of the development of the GPS Anti-Jamming System industry chain, the market status of Aerospace and Defense (Nulling, Beam Steering Systems), Government (Nulling, Beam Steering Systems), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of GPS Anti-Jamming System.

Regionally, the report analyzes the GPS Anti-Jamming System markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global GPS Anti-Jamming System market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the GPS Anti-Jamming System market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the GPS Anti-Jamming System industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Nulling, Beam Steering Systems).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the GPS Anti-Jamming System market.

Regional Analysis: The report involves examining the GPS Anti-Jamming System

market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the GPS Anti-Jamming System market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to GPS Anti-Jamming System:

Company Analysis: Report covers individual GPS Anti-Jamming System players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards GPS Anti-Jamming System. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Aerospace and Defense, Government).

Technology Analysis: Report covers specific technologies relevant to GPS Anti-Jamming System. It assesses the current state, advancements, and potential future developments in GPS Anti-Jamming System areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the GPS Anti-Jamming System market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

GPS Anti-Jamming System market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

Nulling

Beam Steering Systems

Civilian Systems

Market segment by Application

Aerospace and Defense

Government

Others

Market segment by players, this report covers

Rockwell Collins(US)

Raytheon Company(US)

NovAtel Inc(Canada)

Cobham Plc(UK)

Mayflower Communications(US)

BAE Systems(UK)

Furuno Electric Company(Japan)

Harris Corporation(US)

Lockheed Martin(US)

Thales Group(France)

Boeing Company(US)

U-Blox(Switzerland)

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe GPS Anti-Jamming System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of GPS Anti-Jamming System, with revenue, gross margin and global market share of GPS Anti-Jamming System from 2019 to 2024.

Chapter 3, the GPS Anti-Jamming System competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024.and GPS Anti-Jamming System market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of GPS Anti-Jamming System.

Chapter 13, to describe GPS Anti-Jamming System research findings and conclusion.

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