Satellite Transponder Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-07-05 | 136 pages | IMARC Group

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Report description:

Market Overview:

The global satellite transponder market size reached US$ 21.9 Billion in 2022. Looking forward, IMARC Group expects the market to reach US$ 29.3 Billion by 2028, exhibiting a growth rate (CAGR) of 4.9% during 2023-2028.

A satellite transponder is a wireless communication device that is connected to a satellite for receiving and transmitting radio signals. Upon receiving the signal, it broadcasts it at varying frequencies that assists in the functioning of various identification, location and navigation systems such as GPS. Also, it selects different frequency values for both downlink and uplink to prevent the interference between signals. For instance, the Radio-Frequency Identification Device (RFID) transmits a coded signal upon receiving a request from a control point. The transponder output signal is tracked, and its position is continuously monitored. In addition, the input (receiver) and output (transmitter) frequencies are pre-assigned through which the device can operate over distances of thousands of miles.

Market Trends:
The increasing demand for High Definition Television (HDTV) sets and expansion in the Ku band applications are the key factors driving the growth of the market. The growing demand for new television platforms and rising number of video broadcasting subscribers have led the service providers to utilize satellite transponders to provide end-to-end HD video transmission. Furthermore, increasing adoption rates of Ku band frequencies for data, video and voice communications have positively impacted the market growth. The Ku band utilizes satellite transponders for high-bandwidth broadcasting and communication to the subscribers. Ku-band transponders are also used extensively for various Very-Small-Aperture Terminals (VSAT), mobile backhaul (MBH) and aeronautical applications. Additionally, the widespread implementation of the device in maritime broadband, in-flight and machine-to-machine (M2M) communications has further favored the market growth. For instance, the Automatic Identification System (AIS) used in ships utilizes transponders to communicate and supplement marine radar.

Key Market Segmentation:
IMARC Group provides an analysis of the key trends in each sub-segment of the global satellite transponder market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on bandwidth, service and application.

Breakup by Bandwidth:

C-Band
KU-Band
KA-Band
K-Band
Others

Breakup by Service:

Leasing
Maintenance and Support
Others

Breakup by Application:

Commercial Communications
Government Communications
Navigation
Remote Sensing
R&D
Others

Breakup by Region:

North America
Europe
Asia Pacific
Middle East and Africa
Latin America

Competitive Landscape:
The report has also analysed the competitive landscape of the market with some of the key players being SES S.A., Arabsat, Eutelsat S.A., Intelsat Corporation, Embratel Star One, Thaicom Public Company Limited, Sky Satellite LLC, SKY Perfect JSAT Corporation, HISPASAT S.A., Singtel Group, Telesat, etc.

Key Questions Answered in This Report

1. What was the size of the global satellite transponder market in 2022?
2. What is the expected growth rate of the global satellite transponder market during 2023-2028?
3. What has been the impact of COVID-19 on the global satellite transponder market?

4. What are the key factors driving the global satellite transponder market?
5. What is the breakup of the global satellite transponder market based on the bandwidth?
6. What is the breakup of the global satellite transponder market based on the service?
7. What is the breakup of the global satellite transponder market based on the application?
8. What are the key regions in the global satellite transponder market?
9. Who are the key players/companies in the global satellite transponder market?

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