

Global Military Travelling Wave Antenna Market : Advancing Defense Communication

OREGAON, PORTLAND, UNITED STATES, April 14, 2023 /EINPresswire.com/ -- The global [military travelling wave antenna market](#) is experiencing a significant growth due to increasing demand for antennas with long-range capabilities for defense applications. Military antenna is a component of communication devices used in military aircrafts, naval vessels, unmanned aerial aircrafts, and armored vehicles, which converts radio frequency fields into alternating current with the help of transducer and vice-versa. Traveling-wave antenna is a class of antenna that uses a traveling wave on a guiding structure as the main radiating mechanism. Its distinguishing feature is that the radio-frequency current that generates the radio waves travels through the antenna in one direction.



Global Military Travelling Wave Antenna Market: A growing market, driven by increasing demand for defense communication equipment, and rise in adoption of multifunctional radars are the factors that drive the global military travelling wave antenna market. However, high cost involved in the development hinders the market growth. On the contrary, advancements in drone technology and development of various antennas such as microstrip, metamaterial, and plasma antenna present new pathways in the industry.

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Recently, in 2020, Raytheon Missiles & Defense has received 2.3 billion USD contract for the production of seven gallium nitride (GaN)-based AN/TPY-2 radars. The radars are being

produced as part of the terminal high-altitude area defense (THAAD) system. The contract has been awarded by the US Missile Defense Agency and is part of the US's foreign military sale (FMS) to the Kingdom of Saudi Arabia. Using X-band, the mobile missile defense radar provides personnel with an accurate vision of ballistic missile threats. The radar system operates in two modes comprising forward-based mode and terminal mode. It forms part of the THAAD system designed to protect the army against incoming ballistic missile threats. The forward-based detects ballistic missiles and identifies any lethal objects, while the terminal mode guides interceptors toward a descending missile's warhead. Out of these, seven are fielded as a part of US operated THAAD systems with five operating in forward-based mode for the US and the remaining two are for the FMS. Such demand for defense satellite communication equipment is expected to drive the global military travelling wave antenna market.

Key players in the market :

Raytheon Company, Comrod Communications, Lockheed Martin Corporation, Antenna Products Corporation, MTI Wireless Edge, Harris Corporation, Eylex Pty Ltd., Rohde & Schwarz GmbH, Cojot Oy, Barker & Williamson.

Key applications in the market :

SATCOM

Telemetry

Surveillance

Communication

Electronic Warfare

Navigation

For more information on this market, visit <https://www.alliedmarketresearch.com/purchase-enquiry/9706>

Key frequency bands in the market :

High Frequency

Very-High Frequency

Ultra-High Frequency

Super-High Frequency

Extremely-High Frequency

Key platforms in the market :

Ground

Marine

Airborne

Which are the leading market players active in the military travelling wave antenna market?
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Which are the leading market players active in the military travelling wave antenna market?

What are the current trends that will influence the market in the next few years?

What are the driving factors, restraints, and opportunities in the market?

What are the projections for the future that would help in taking further strategic steps?

Report Title: Military Travelling Wave Antenna Market : <https://www.alliedmarketresearch.com/military-travelling-wave-antenna-market/purchase-options>

David Correa

Allied Analytics LLP

+ +1 503-894-6022

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