

# Global Millimeter Wave RF Modules Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global Millimeter Wave RF Modules market size will reach 514.79 Million USD in 2025 and is projected to reach 9,137.82 Million USD by 2032, with a CAGR of 50.82% (2025-2032). Notably, the China Millimeter Wave RF Modules market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

Millimeter-wave RF modules are compact electronic devices that operate in the millimeter-wave frequency range, typically between 30 gigahertz (GHz) and 300 GHz. These modules are designed to transmit and receive high-frequency signals for a variety of applications, including wireless communication, radar systems, imaging, and sensing. Millimeter-wave RF modules contain essential components such as transmitters, receivers, amplifiers, filters, and antennas that are carefully engineered to operate at these high frequencies. They enable the transmission and reception of data and signals at extremely high speeds over short distances, offering increased bandwidth and lower interference compared to lower frequency systems. Millimeter-wave RF modules find applications in emerging technologies like 5G wireless networks, autonomous vehicles, aerospace and defense systems, and industrial automation. Their compact size, high data rates, and improved signal quality contribute to the advancement and efficiency of various wireless communication and sensing applications.

The major global manufacturers of Millimeter Wave RF Modules include Murata, Fujikura, Qualcomm, STMicroelectronics, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Millimeter Wave RF Modules. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Millimeter Wave RF Modules market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Millimeter Wave RF Modules market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Millimeter Wave RF Modules industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Millimeter Wave RF Modules Include:

Murata

Fujikura

Qualcomm

STMicroelectronics

Millimeter Wave RF Modules Product Segment Include:

28GHz RF Module

60GHz RF Module

Millimeter Wave RF Modules Product Application Include:

Wide-band Communication

V2X Communication

Wireless Mesh Networks

Others

## **Chapter Scope**

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