



## Vector Network Analyzer (VNA) Industry Research Report 2026

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Machinery & Equipment	2026-01-08	127	PDF

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### Description

The Vector Network Analyzer (VNA), VNA is a form of RF network analyzer widely used for RF design applications. A Vector Network Analyzer (VNA) is a test system that enables the RF performance of radio frequency (RF) and microwave devices to be characterized in terms of network scattering parameters, or S parameters. The information provided by the Vector Network Analyzer (VNA) is then used to ensure that the RF design of the circuit is optimized to provide the best performance. Vector Network Analyzer (VNA) are particularly useful items of RF test equipment.

Global Vector Network Analyzer (VNA) key players include Keysight Technologies, Rohde & Schwarz, Anritsu, Advantest, The 41st Institute of CETC, etc. Global top five manufacturers hold a share about 75%. North America is the largest market, with a share about 30%, followed by China and Europe, total have a share about 35 percent. In terms of product, 0-10 GHz is the largest segment, with a share about 70%. And in terms of application, the largest application is Communications, followed by Electronic Manufacturing, Automotive, etc.

### Report Scope

This report quantifies the global Vector Network Analyzer (VNA) market in revenue (US\$ million) and, where applicable, sales volume (Units), using 2025 as the base year and providing annual historical and forecast data for 2021–2032.

It standardizes definitions of types and applications, harmonizes vendor attribution, and presents comparable time series by company, type, application, and region/country, including indicative price bands (US\$/Units) and concentration ratios (CR5/CR10).

The outputs are intended to support strategy development, budgeting, and performance benchmarking for manufacturers, new entrants, channel partners, and investors; the report also reviews technology shifts and notable product introductions relevant to Vector Network Analyzer (VNA).

### Key Companies & Market Share Insights

This section profiles leading manufacturers, combining 2021–2025 results with a 2026–2032 outlook. It reports revenue, market share, price bands, product and application mix, regional and channel mix, and key developments (M&A, capacity additions, certifications). It also provides global revenue, average price, and—where applicable—sales volume by manufacturer, and calculates CR5/CR10 and rank changes to support comparative benchmarking.

Vector Network Analyzer (VNA) Market by Company

Keysight Technologies

Rohde & Schwarz

Anritsu

Advantest  
The 41st Institute of CETC  
Transcom Instruments  
Copper Mountain Technologies  
National Instrument  
GS Instrument  
OMICRON Lab  
AWT Global  
Chengdu Tianda Instrument  
Nanjing PNA Instruments

### **Vector Network Analyzer (VNA) Segment by Type**

0-10 GHz  
10-50 GHz  
Above 50 GHz

### **Vector Network Analyzer (VNA) Segment by Application**

Communications  
Automotive  
Electronic Manufacturing  
Aerospace and Defense  
Others

### **Vector Network Analyzer (VNA) Segment by Region**

North America  
United States  
Canada  
Mexico  
Europe  
Germany  
France  
U.K.  
Italy  
Russia  
Spain  
Netherlands  
Switzerland  
Sweden  
Poland  
Asia-Pacific  
China  
Japan  
South Korea  
India  
Australia  
Taiwan  
Southeast Asia  
South America  
Brazil

Argentina  
Chile  
Colombia  
Middle East & Africa  
Egypt  
South Africa  
Israel  
Türkiye  
GCC Countries

## **Key Drivers & Barriers**

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

## **Reasons to Buy This Report**

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Vector Network Analyzer (VNA) market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Vector Network Analyzer (VNA) and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Vector Network Analyzer (VNA).
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

## **Chapter Outline**

### **Chapter 1:**

Research objectives, research methods, data sources, data cross-validation;

### **Chapter 2:**

Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

### **Chapter 3:**

Detailed analysis of Vector Network Analyzer (VNA) manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

### **Chapter 4:**

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

#### **Chapter 5:**

Production/output, value of Vector Network Analyzer (VNA) by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

#### **Chapter 6:**

Consumption of Vector Network Analyzer (VNA) in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

#### **Chapter 7:**

Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

#### **Chapter 8:**

Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

#### **Chapter 9:**

Analysis of industrial chain, including the upstream and downstream of the industry.

#### **Chapter 10:**

Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

#### **Chapter 11:**

The main points and conclusions of the report.

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