

Global Communications Test and Measurement Market Size study & Forecast, by Offering, Test Solutions, Type of Test, End User, and Regional Forecasts 2025-2035

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Abstracts

The Global Communications Test and Measurement Market is valued approximately at USD 8.9 billion in 2024 and is anticipated to grow with a CAGR of more than 8.8% over the forecast period 2025–2035. With global communication infrastructure evolving at an accelerated pace—driven by 5G rollout, network virtualization, and edge computing—communication test and measurement solutions have become indispensable tools for ensuring uninterrupted performance, system interoperability, and real-time fault detection. These solutions are no longer just compliance checkers; they are mission-critical enablers that help telecom service providers, device manufacturers, and infrastructure vendors manage increasingly complex, high-speed networks. From ensuring seamless transitions between multi-bandwidth networks to optimizing latency-sensitive enterprise workloads, these tools are fundamentally reshaping how organizations guarantee end-to-end network reliability.

The market has seen a transformative uplift due to the rapid adoption of IoT devices, cloud-native infrastructure, and the surging demand for hyper-connectivity in smart cities and industrial automation. Test and measurement solutions now encompass intelligent software-driven platforms capable of simulating various network environments—from wireline to wireless—and addressing diverse testing requirements like field diagnostics, lab-based analysis, or post-deployment assurance. Innovations in AI-driven diagnostics, virtualization, and remote network testing are significantly enhancing operational efficiency and network uptime, particularly among telcos embracing NFV/SDN technologies. Furthermore, as enterprises shift toward managed and professional testing services to reduce capital expenditures and enhance agility, the

demand for cloud-integrated test solutions is scaling across verticals.

Regionally, North America continues to command a significant share of the market, owing to its matured telecom infrastructure, strong base of network equipment manufacturers, and early adoption of next-gen connectivity standards such as 5G and Wi-Fi 6. The United States, in particular, is witnessing aggressive deployment of software-defined networks and edge computing frameworks that require continuous performance validation. Asia Pacific is poised to witness the fastest growth, driven by robust digitalization, surging mobile penetration, and substantial public and private investments in telecom infrastructure across India, China, and Southeast Asia. Meanwhile, Europe is steadily progressing, particularly in nations deploying smart grids and industrial IoT networks, which demand real-time network reliability and testing capabilities.

Major market players included in this report are:

Keysight Technologies Inc.

VIAMI Solutions Inc.

Anritsu Corporation

Rohde & Schwarz GmbH & Co KG

EXFO Inc.

Spirent Communications

Yokogawa Electric Corporation

Fortive Corporation (Fluke Networks)

National Instruments Corporation

Teledyne Technologies Incorporated

NetScout Systems Inc.

Huawei Technologies Co., Ltd.

Cisco Systems Inc.

Empirix Inc.

Bureau Veritas S.A.

Global Communications Test and Measurement Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Offering:

Hardware

Software

Services

Professional Services

Support Services

Consulting Services

Training Services

Managed Services

By Test Solutions:

Wireline Test Solution

Wireless Test Solution

By Type of Test:

Enterprise Test

Field Network Test

Lab & Manufacturing Test

Network Assurance Test

By End User:

Telecommunication Service Provider

Network Equipment Manufacturer

Mobile Device Manufacturer

Other End Users

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL COMMUNICATIONS TEST AND MEASUREMENT MARKET REPORT SCOPE & METHODOLOGY

- 1.1. Research Objective
- 1.2. Research Methodology
 - 1.2.1. Forecast Model
 - 1.2.2. Desk Research
 - 1.2.3. Top-Down and Bottom-Up Approach
- 1.3. Research Attributes
- 1.4. Scope of the Study
 - 1.4.1. Market Definition
 - 1.4.2. Market Segmentation
- 1.5. Research Assumption
 - 1.5.1. Inclusion & Exclusion
 - 1.5.2. Limitations
 - 1.5.3. Years Considered for the Study

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. CEO/CXO Standpoint
- 2.2. Strategic Insights
- 2.3. ESG Analysis
- 2.4. Key Findings

CHAPTER 3. GLOBAL COMMUNICATIONS TEST AND MEASUREMENT MARKET FORCES ANALYSIS

- 3.1. Market Forces Shaping the Global Communications Test and Measurement Market (2024–2035)
- 3.2. Drivers
 - 3.2.1. Proliferation of 5G and IoT Networks Driving Demand for Advanced Test Solutions
 - 3.2.2. Increasing Complexity of Virtualized and Edge Deployments Requiring Comprehensive Testing
- 3.3. Restraints
 - 3.3.1. High Capital Expenditure for Hardware and Expertise Limiting Adoption in Emerging Markets

3.3.2. Shortage of Skilled Test Engineers and Rapid Technological Evolution Impeding Implementation

3.4. Opportunities

3.4.1. Emergence of Cloud-Based and Remote Test Services Enabling Scalable, Cost-Effective Solutions

3.4.2. Integration of AI-Driven Analytics for Predictive Maintenance and Automated Troubleshooting

CHAPTER 4. GLOBAL COMMUNICATIONS TEST AND MEASUREMENT MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Forces Model

4.1.1. Bargaining Power of Buyer

4.1.2. Bargaining Power of Supplier

4.1.3. Threat of New Entrants

4.1.4. Threat of Substitutes

4.1.5. Competitive Rivalry

4.2. Porter's 5 Force Forecast Model (2024–2035)

4.3. PESTEL Analysis

4.3.1. Political

4.3.2. Economical

4.3.3. Social

4.3.4. Technological

4.3.5. Environmental

4.3.6. Legal

4.4. Top Investment Opportunities

4.5. Top Winning Strategies (2025)

4.6. Market Share Analysis (2024–2025)

4.7. Global Pricing Analysis and Trends 2025

4.8. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL COMMUNICATIONS TEST AND MEASUREMENT MARKET SIZE & FORECASTS BY OFFERING 2025–2035

5.1. Market Overview

5.2. Global Communications Test and Measurement Market Performance – Potential Analysis (2025)

5.3. Hardware

5.3.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035

5.3.2. Market Size Analysis, by Region, 2025–2035

5.4. Software

5.4.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035

5.4.2. Market Size Analysis, by Region, 2025–2035

5.5. Services

5.5.1. Professional Services

5.5.1.1. Support Services

5.5.1.2. Consulting Services

5.5.1.3. Training Services

5.5.2. Managed Services

5.5.3. Top Countries Breakdown Estimates & Forecasts, 2024–2035

5.5.4. Market Size Analysis, by Region, 2025–2035

CHAPTER 6. GLOBAL COMMUNICATIONS TEST AND MEASUREMENT MARKET SIZE & FORECASTS BY TEST SOLUTIONS 2025–2035

6.1. Market Overview

6.2. Global Communications Test and Measurement Market Performance – Potential Analysis (2025)

6.3. Wireline Test Solution

6.3.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035

6.3.2. Market Size Analysis, by Region, 2025–2035

6.4. Wireless Test Solution

6.4.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035

6.4.2. Market Size Analysis, by Region, 2025–2035

CHAPTER 7. GLOBAL COMMUNICATIONS TEST AND MEASUREMENT MARKET SIZE & FORECASTS BY TYPE OF TEST 2025–2035

7.1. Market Overview

7.2. Global Communications Test and Measurement Market Performance – Potential Analysis (2025)

7.3. Enterprise Test

7.3.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035

7.3.2. Market Size Analysis, by Region, 2025–2035

7.4. Field Network Test

7.4.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035

7.4.2. Market Size Analysis, by Region, 2025–2035

7.5. Lab & Manufacturing Test

- 7.5.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
- 7.5.2. Market Size Analysis, by Region, 2025–2035
- 7.6. Network Assurance Test
 - 7.6.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 7.6.2. Market Size Analysis, by Region, 2025–2035

CHAPTER 8. GLOBAL COMMUNICATIONS TEST AND MEASUREMENT MARKET SIZE & FORECASTS BY END USER 2025–2035

- 8.1. Market Overview
- 8.2. Global Communications Test and Measurement Market Performance – Potential Analysis (2025)
- 8.3. Telecommunication Service Provider
 - 8.3.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 8.3.2. Market Size Analysis, by Region, 2025–2035
- 8.4. Network Equipment Manufacturer
 - 8.4.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 8.4.2. Market Size Analysis, by Region, 2025–2035
- 8.5. Mobile Device Manufacturer
 - 8.5.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 8.5.2. Market Size Analysis, by Region, 2025–2035
- 8.6. Other End Users
 - 8.6.1. Top Countries Breakdown Estimates & Forecasts, 2024–2035
 - 8.6.2. Market Size Analysis, by Region, 2025–2035

CHAPTER 9. GLOBAL COMMUNICATIONS TEST AND MEASUREMENT MARKET SIZE & FORECASTS BY REGION 2025–2035

- 9.1. Communications Test and Measurement Market, Regional Market Snapshot
- 9.2. Top Leading & Emerging Countries
- 9.3. North America Communications Test and Measurement Market
 - 9.3.1. U.S. Communications Test and Measurement Market
 - 9.3.1.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.3.1.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
 - 9.3.2. Canada Communications Test and Measurement Market
 - 9.3.2.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.3.2.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
- 9.4. Europe Communications Test and Measurement Market
 - 9.4.1. UK Communications Test and Measurement Market

- 9.4.1.1. Offering Breakdown Size & Forecasts, 2025–2035
- 9.4.1.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
- 9.4.2. Germany Communications Test and Measurement Market
 - 9.4.2.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.4.2.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
- 9.4.3. France Communications Test and Measurement Market
 - 9.4.3.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.4.3.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
- 9.4.4. Spain Communications Test and Measurement Market
 - 9.4.4.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.4.4.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
- 9.4.5. Italy Communications Test and Measurement Market
 - 9.4.5.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.4.5.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
- 9.4.6. Rest of Europe Communications Test and Measurement Market
 - 9.4.6.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.4.6.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
- 9.5. Asia Pacific Communications Test and Measurement Market
 - 9.5.1. China Communications Test and Measurement Market
 - 9.5.1.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.5.1.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
 - 9.5.2. India Communications Test and Measurement Market
 - 9.5.2.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.5.2.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
 - 9.5.3. Japan Communications Test and Measurement Market
 - 9.5.3.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.5.3.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
 - 9.5.4. Australia Communications Test and Measurement Market
 - 9.5.4.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.5.4.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
 - 9.5.5. South Korea Communications Test and Measurement Market
 - 9.5.5.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.5.5.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
 - 9.5.6. Rest of Asia Pacific Communications Test and Measurement Market
 - 9.5.6.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.5.6.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
- 9.6. Latin America Communications Test and Measurement Market
 - 9.6.1. Brazil Communications Test and Measurement Market
 - 9.6.1.1. Offering Breakdown Size & Forecasts, 2025–2035

- 9.6.1.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
- 9.6.2. Mexico Communications Test and Measurement Market
 - 9.6.2.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.6.2.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
- 9.7. Middle East & Africa Communications Test and Measurement Market
 - 9.7.1. UAE Communications Test and Measurement Market
 - 9.7.1.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.7.1.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
 - 9.7.2. Saudi Arabia Communications Test and Measurement Market
 - 9.7.2.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.7.2.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
 - 9.7.3. South Africa Communications Test and Measurement Market
 - 9.7.3.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.7.3.2. Test Solutions Breakdown Size & Forecasts, 2025–2035
 - 9.7.4. Rest of Middle East & Africa Communications Test and Measurement Market
 - 9.7.4.1. Offering Breakdown Size & Forecasts, 2025–2035
 - 9.7.4.2. Test Solutions Breakdown Size & Forecasts, 2025–2035

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Top Market Strategies
- 10.2. Keysight Technologies Inc.
 - 10.2.1. Company Overview
 - 10.2.2. Key Executives
 - 10.2.3. Company Snapshot
 - 10.2.4. Financial Performance (Subject to Data Availability)
 - 10.2.5. Product/Services Port
 - 10.2.6. Recent Development
 - 10.2.7. Market Strategies
 - 10.2.8. SWOT Analysis
- 10.3. VIAVI Solutions Inc.
- 10.4. Anritsu Corporation
- 10.5. Rohde & Schwarz GmbH & Co KG
- 10.6. EXFO Inc.
- 10.7. Spirent Communications
- 10.8. Yokogawa Electric Corporation
- 10.9. Fortive Corporation (Fluke Networks)
- 10.10. National Instruments Corporation
- 10.11. Teledyne Technologies Incorporated

- 10.12. NetScout Systems Inc.
- 10.13. Huawei Technologies Co., Ltd.
- 10.14. Cisco Systems Inc.
- 10.15. Empirix Inc.
- 10.16. Bureau Veritas S.A.

List Of Tables

LIST OF TABLES

Table 1. Global Communications Test and Measurement Market, Report Scope

Table 2. Global Communications Test and Measurement Market Estimates & Forecasts
By Region 2024–2035

Table 3. Global Communications Test and Measurement Market Estimates & Forecasts
By Offering 2024–2035

Table 4. Global Communications Test and Measurement Market Estimates & Forecasts
By Test Solutions 2024–2035

Table 5. Global Communications Test and Measurement Market Estimates & Forecasts
By Type of Test 2024–2035

Table 6. Global Communications Test and Measurement Market Estimates & Forecasts
By End User 2024–2035

Table 7. Global Communications Test and Measurement Market Estimates & Forecasts
By Segment 2024–2035

Table 8. U.S. Communications Test and Measurement Market Estimates & Forecasts,
2024–2035

Table 9. Canada Communications Test and Measurement Market Estimates &
Forecasts, 2024–2035

Table 10. UK Communications Test and Measurement Market Estimates & Forecasts,
2024–2035

Table 11. Germany Communications Test and Measurement Market Estimates &
Forecasts, 2024–2035

Table 12. France Communications Test and Measurement Market Estimates &
Forecasts, 2024–2035

Table 13. Spain Communications Test and Measurement Market Estimates &
Forecasts, 2024–2035

Table 14. Italy Communications Test and Measurement Market Estimates & Forecasts,
2024–2035

Table 15. Rest of Europe Communications Test and Measurement Market Estimates &
Forecasts, 2024–2035

Table 16. China Communications Test and Measurement Market Estimates &
Forecasts, 2024–2035

Table 17. India Communications Test and Measurement Market Estimates & Forecasts,
2024–2035

Table 18. Japan Communications Test and Measurement Market Estimates &
Forecasts, 2024–2035

Table 19. Australia Communications Test and Measurement Market Estimates & Forecasts, 2024–2035

Table 20. South Korea Communications Test and Measurement Market Estimates & Forecasts, 2024–2035

List Of Figures

LIST OF FIGURES

- Fig 1. Global Communications Test and Measurement Market, Research Methodology
- Fig 2. Global Communications Test and Measurement Market, Market Estimation Techniques
- Fig 3. Global Market Size Estimates & Forecast Methods
- Fig 4. Global Communications Test and Measurement Market, Key Trends 2025
- Fig 5. Global Communications Test and Measurement Market, Growth Prospects 2024–2035
- Fig 6. Global Communications Test and Measurement Market, Porter's Five Forces Model
- Fig 7. Global Communications Test and Measurement Market, PESTEL Analysis
- Fig 8. Global Communications Test and Measurement Market, Value Chain Analysis
- Fig 9. Communications Test and Measurement Market By Offering, 2025 & 2035
- Fig 10. Communications Test and Measurement Market By Test Solutions, 2025 & 2035
- Fig 11. Communications Test and Measurement Market By Type of Test, 2025 & 2035
- Fig 12. Communications Test and Measurement Market By End User, 2025 & 2035
- Fig 13. Communications Test and Measurement Market By Segment, 2025 & 2035
- Fig 14. North America Communications Test and Measurement Market, 2025 & 2035
- Fig 15. Europe Communications Test and Measurement Market, 2025 & 2035
- Fig 16. Asia Pacific Communications Test and Measurement Market, 2025 & 2035
- Fig 17. Latin America Communications Test and Measurement Market, 2025 & 2035
- Fig 18. Middle East & Africa Communications Test and Measurement Market, 2025 & 2035
- Fig 19. Global Communications Test and Measurement Market, Company Market Share Analysis (2025)

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