

# Communication Test and Measurement Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

<https://marketpublishers.com/r/CC22A68ADBFCEN.html>

Date: February 2025

Pages: 170

Price: US\$ 4,850.00 (Single User License)

ID: CC22A68ADBFCEN

## Abstracts

The Global Communication Test And Measurement Market, valued at USD 9.3 billion in 2024, is expected to expand at a CAGR of 8.4% from 2025 to 2034, fueled by technological advancements and the widespread rollout of next-generation connectivity solutions. The increasing demand for advanced telecommunication infrastructure and the rapid adoption of digital services stimulate market growth. As businesses and consumers rely more heavily on high-speed internet, cloud computing, and smart technologies, the need for reliable communication networks has never been greater.

The post-pandemic digital transformation has accelerated network expansion across industries, with companies investing in advanced testing solutions to enhance performance, security, and efficiency. As 5G, IoT, and AI-driven applications continue to reshape the technology landscape, businesses are under increasing pressure to ensure seamless communication and minimize network disruptions. The rise of smart cities, autonomous vehicles, and connected devices has only amplified the urgency for robust testing and measurement solutions. With competition intensifying among telecom giants, investing in cutting-edge test equipment has become essential to maintaining service quality and compliance with global standards.

The market is categorized based on technology into 5G, 4G/LTE, Wi-Fi, and other network segments. In 2024, 5G held a dominant 40% share and is projected to generate USD 3.5 billion by 2034. The growing number of 5G subscriptions worldwide is a major growth driver as industries increasingly adopt high-speed, low-latency networks for data-intensive applications. Sectors such as healthcare, manufacturing, and automotive are leveraging 5G for real-time communication, smart automation, and connected ecosystems. The demand for network testing solutions continues to rise as

companies work to optimize performance, improve security, and prevent service disruptions.

By product, the market is segmented into wireless and wireline test equipment. Wireless test equipment led the industry in 2024 with a 73% market share, driven by the proliferation of IoT deployments and the rapid expansion of Wi-Fi and 5G networks. As real-time communication becomes the backbone of digital transformation, businesses are prioritizing wireless testing solutions to assess signal quality, network reliability, and system performance. The expansion of broadband services, the rise of smart infrastructure, and the growing need for uninterrupted connectivity are further fueling the demand for wireless test solutions. Companies are continuously investing in innovative testing tools to meet evolving industry standards and enhance overall network efficiency.

North America accounted for a 32% share of the communication test and measurement market in 2024, with the US market poised to generate USD 6 billion by 2034. The region's leadership in 5G deployment and IoT adoption has created a strong demand for advanced network testing solutions. Telecom providers in the US and Canada are ramping up investments to expand 5G coverage and improve network efficiency. With the increasing reliance on broadband, wireless connectivity, and emerging technologies, ensuring seamless network performance remains a top priority for service providers and technology firms.

## Contents

### CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Research design
  - 1.1.1 Research approach
  - 1.1.2 Data collection methods
- 1.2 Base estimates & calculations
  - 1.2.1 Base year calculation
  - 1.2.2 Key trends for market estimation
- 1.3 Forecast model
- 1.4 Primary research and validation
  - 1.4.1 Primary sources
  - 1.4.2 Data mining sources
- 1.5 Market scope & definition

### CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis, 2021 - 2034

### CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Supplier landscape
  - 3.2.1 Network infrastructure providers
  - 3.2.2 Telecommunication service providers
  - 3.2.3 Test equipment manufacturers
  - 3.2.4 System integrators
  - 3.2.5 End use
- 3.3 Profit margin analysis
- 3.4 Technology & innovation landscape
- 3.5 Patent analysis
- 3.6 Price trend
- 3.7 Key news & initiatives
- 3.8 Regulatory landscape
- 3.9 Impact forces
  - 3.9.1 Growth drivers
    - 3.9.1.1 Growing adoption of 5G technology
    - 3.9.1.2 Increasing demand for IoT and smart devices

- 3.9.1.3 Network security and cybersecurity concerns
- 3.9.1.4 Global telecommunication infrastructure expansion
- 3.9.2 Industry pitfalls & challenges
  - 3.9.2.1 High initial investment and operational costs
  - 3.9.2.2 Integration challenges with legacy systems
- 3.10 Growth potential analysis
- 3.11 Porter's analysis
- 3.12 PESTEL analysis

## **CHAPTER 4 COMPETITIVE LANDSCAPE, 2024**

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Competitive positioning matrix
- 4.4 Strategic outlook matrix

## **CHAPTER 5 MARKET ESTIMATES & FORECAST, BY PRODUCT, 2021 - 2034 (\$BN, UNITS)**

- 5.1 Key trends
- 5.2 Wireless test equipment
- 5.3 Wireline test equipment

## **CHAPTER 6 MARKET ESTIMATES & FORECAST, BY SERVICE, 2021 - 2034 (\$BN)**

- 6.1 Key trends
- 6.2 Installation & maintenance services
- 6.3 Professional services
- 6.4 Managed services
- 6.5 System integration services

## **CHAPTER 7 MARKET ESTIMATES & FORECAST, BY END USE, 2021 - 2034 (\$BN, UNITS)**

- 7.1 Key trends
- 7.2 Network equipment manufacturers
- 7.3 Mobile device manufacturers
- 7.4 Telecommunication service providers
- 7.5 Internet service providers

## 7.6 Others

# **CHAPTER 8 MARKET ESTIMATES & FORECAST, BY APPLICATION, 2021 - 2034 (\$BN, UNITS)**

## 8.1 Key trends

## 8.2 Research & development

## 8.3 Manufacturing

## 8.4 Field testing

## 8.5 Network performance monitoring

## 8.6 Others

# **CHAPTER 9 MARKET ESTIMATES & FORECAST, BY TECHNOLOGY, 2021 - 2034 (\$BN, UNITS)**

## 9.1 Key trends

## 9.2 5G

## 9.3 4G/LTE

## 9.4 Wi-fi

## 9.5 Bluetooth & low power networks

## 9.6 Fiber optic networks

## 9.7 Satellite & Radio Frequency (RF)

# **CHAPTER 10 MARKET ESTIMATES & FORECAST, BY REGION, 2021 - 2034 (\$BN, UNITS)**

## 10.1 Key trends

## 10.2 North America

### 10.2.1 U.S.

### 10.2.2 Canada

## 10.3 Europe

### 10.3.1 UK

### 10.3.2 Germany

### 10.3.3 France

### 10.3.4 Italy

### 10.3.5 Spain

### 10.3.6 Russia

### 10.3.7 Nordics

## 10.4 Asia Pacific

- 10.4.1 China
- 10.4.2 India
- 10.4.3 Japan
- 10.4.4 Australia
- 10.4.5 South Korea
- 10.4.6 Southeast Asia
- 10.5 Latin America
  - 10.5.1 Brazil
  - 10.5.2 Mexico
  - 10.5.3 Argentina
- 10.6 MEA
  - 10.6.1 UAE
  - 10.6.2 South Africa
  - 10.6.3 Saudi Arabia

## **CHAPTER 11 COMPANY PROFILES**

- 11.1 Ametek
- 11.2 Anritsu
- 11.3 Bird Technologies (NWS)
- 11.4 Calnex Solutions
- 11.5 EXFO
- 11.6 Hammer Technologies
- 11.7 Keysight Technologies
- 11.8 Kyrio
- 11.9 LeCroy (Teledyne)
- 11.10 LitePoint
- 11.11 Luna Innovations
- 11.12 Netally
- 11.13 Netscout
- 11.14 Omicron
- 11.15 Rohde & Schwarz
- 11.16 Spirent Communications
- 11.17 Tektronix
- 11.18 thinkRF
- 11.19 VIAVI Solutions
- 11.20 Yokogawa Test and Measurement Solutions

## I would like to order

Product name: Communication Test and Measurement Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Product link: <https://marketpublishers.com/r/CC22A68ADBFCEN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/CC22A68ADBFCEN.html>