

# **6G Market by Vertical (Agriculture, Automotive, Educational and entertainment, Health, Manufacturing, Public safety), by Application (Multi sensory extended reality, Blockchain), by Deployment Device & Region - Global Forecast to 2030**

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## **Abstracts**

MarketsandMarkets forecasts the 6G market size from USD 5.1 billion in 2023 to USD 40.2 billion by 2030 at a Compound Annual Growth Rate (CAGR) of 34.2% during the forecast period. The rapid advancement of technology and the increasing demand for seamless connectivity are driving the growth of the 6G market. Businesses across various industries recognize the importance of 6G networks in enabling faster data speeds, ultra-low latency, and massive device connectivity. This technology empowers businesses to deliver enhanced user experiences, support emerging applications such as augmented reality and autonomous systems, and drive innovation in various sectors.

“By Deployment Device, Smartphone segment to hold largest market size during the forecast period”

The smartphone segment is expected to hold the largest market size during the forecast period. This can be attributed to the widespread adoption of smartphones and their integral role in our daily lives. Smartphones have become essential for communication, internet access, and various applications, making them a key driver in the 6G market. With the increasing demand for faster and more reliable connectivity, 6G technology aims to revolutionize smartphone capabilities by offering higher data speeds, lower latency, and improved network capacity. This enables users to experience seamless connectivity and unlock the full potential of emerging technologies such as augmented reality, virtual reality, and artificial intelligence on their smartphones. As a result, the smartphones segment is expected to witness significant growth and play a vital role in

shaping the future of the 6G market.

“By Application, Networked enabled robotic and autonomous systems segment to register highest growth rate during the forecast period”

The networked-enabled robotic and autonomous systems segment is projected to register the highest growth rate during the forecast period. This growth can be attributed to the increasing adoption of robotics and autonomous systems in various industries and sectors. Networked-enabled robotic and autonomous systems could leverage the power of 6G technology to enable seamless communication and collaboration between multiple devices and systems. With the advancements in artificial intelligence and machine learning, these systems can perform complex tasks with minimal human intervention, improving efficiency, productivity, and safety. Industries such as manufacturing, logistics, healthcare, and agriculture are witnessing a rapid integration of networked-enabled robotic and autonomous systems to streamline operations and optimize performance.

“Asia Pacific to register highest growth rate during forecast period”

Asia Pacific region has a large population with increasing internet penetration and smartphone adoption. This provides fertile ground for the growth of 6G services and applications. The demand for high-speed and reliable connectivity is escalating, driven by the rising consumption of data-intensive services, such as video streaming, online gaming, and augmented reality/virtual reality (AR/VR) experiences. The governments in the region are actively supporting the development and deployment of 6G networks. They are investing in infrastructure, spectrum allocation, and policy frameworks to foster the growth of next-generation communication technologies. The region's focus on smart city initiatives, digital transformation, and emerging technologies like the Internet of Things (IoT) and artificial intelligence (AI) further fuels the demand for 6G connectivity and solutions.

#### Breakdown of primaries

The study contains insights from various industry experts, from solution vendors to Tier 1 companies. The breakdown of the primaries is as follows:

By Company Type: Tier 1 – 18%, Tier 2 – 9%, and Tier 3 – 73%

By Designation: C-level –9%, D-level – 18%, and Others – 73%

By Region: North America – 55%, Europe – 9%, and Asia Pacific – 36%

The major players in the 6G market are AT&T (US), Broadcom (US), Cisco (US), DeepSig (US), Ericsson (Sweden), Fujitsu (Japan), Google (US), Huawei (China), InterDigital (US), Keysight (US), LG Corporation (South Korea), MediaTek (Taiwan), National Instrument Corp (US), NEC Corporation (Japan), Nokia (Finland), NTT DoCoMo (Japan), Orange (France), Qualcomm (US), Reliance Jio (India), Samsung (South Korea), SK Telecom (South Korea), Sony (Japan), T-Mobile (US), Verizon (US), China Mobile (China), ZTE (China). These players have adopted various growth strategies, such as partnerships, agreements and collaborations, product launches and enhancements, and acquisitions to expand their footprint in the 6G market.

### Research Coverage

The market study covers the 6G market size across different segments. It aims at estimating the market size and growth potential across different segments, including verticals, applications, deployment devices, and regions. The study includes an in-depth competitive analysis of the leading market players, their company profiles, key observations related to product and business offerings, recent developments, and market strategies.

### Key Benefits of Buying the Report

The report will help the market leaders/new entrants with information on the closest approximations of the revenue numbers for the global 6G market and its subsegments. This report will help stakeholders understand the competitive landscape and gain insights to position their businesses better and plan suitable go-to-market strategies. Moreover, the report will provide insights for stakeholders to understand the market's pulse and provide them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

The 6G report identifies several key drivers for its growth, including the increasing need for seamless connectivity, the demand for faster data speeds, and the rising adoption of IoT devices. These drivers are fueled by businesses' recognition of the importance of advanced communication networks in delivering enhanced user experiences and

supporting emerging technologies such as augmented reality and autonomous systems. However, the report also highlights potential challenges, such as needing skilled professionals and addressing security and compatibility issues. Despite these challenges, the report emphasizes the significant opportunities for growth in the 6G market, such as real-time operational decision-making and increasing investments in 6G programs.

**Product Development/Innovation:** Detailed insights on coming technologies, R&D activities, and product & solution launches in the 6G market  
**Market Development:** Comprehensive information about lucrative markets – the report analyses the 6G market across varied regions  
**Market Diversification:** Exhaustive information about new products & solutions being developed, untapped geographies, recent developments, and investments in the 6G market  
**Competitive Assessment:** In-depth assessment of market shares, growth strategies, and service offerings of leading players like AT&T (US), Broadcom (US), Cisco (US), DeepSig (US), Ericsson (Sweden), Fujitsu (Japan), Google (US), Huawei (China), InterDigital (US), Keysight (US), LG Corporation (South Korea), MediaTek (Taiwan), National Instrument Corp (US), NEC Corporation (Japan), Nokia (Finland), NTT DoCoMo (Japan), Orange (France), Qualcomm (US), Reliance Jio (India), Samsung (South Korea), SK Telecom (South Korea), Sony (Japan), T-Mobile (US), Verizon (US), China Mobile (China), ZTE (China)

## Contents

### 1 INTRODUCTION

#### 1.1 STUDY OBJECTIVES

#### 1.2 MARKET DEFINITION

#### 1.3 STUDY SCOPE

##### 1.3.1 MARKETS COVERED

#### FIGURE 1 6G MARKET SEGMENTATION

##### 1.3.2 GEOGRAPHIC SCOPE

#### FIGURE 2 6G MARKET: GEOGRAPHIC SCOPE

##### 1.3.3 INCLUSIONS AND EXCLUSIONS

##### 1.3.4 YEARS CONSIDERED

#### 1.4 CURRENCY

#### TABLE 1 USD EXCHANGE RATES, 2019–2021

#### 1.5 LIMITATIONS

#### 1.6 STAKEHOLDERS

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DATA

#### FIGURE 3 6G MARKET: RESEARCH DESIGN

##### 2.1.1 SECONDARY DATA

###### 2.1.1.1 Secondary sources

##### 2.1.2 PRIMARY DATA

###### 2.1.2.1 Primary interviews with experts

###### 2.1.2.2 Breakdown of primaries

#### 2.2 MARKET SIZE ESTIMATION

##### 2.2.1 BOTTOM-UP APPROACH

#### FIGURE 4 BOTTOM-UP APPROACH

#### FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY, BOTTOM-UP (SUPPLY-SIDE)

##### 2.2.2 TOP-DOWN APPROACH

#### FIGURE 6 TOP-DOWN APPROACH

##### 2.2.3 6G MARKET ESTIMATION: DEMAND-SIDE ANALYSIS

#### FIGURE 7 MARKET SIZE ESTIMATION METHODOLOGY: DEMAND-SIDE ANALYSIS

#### 2.3 MARKET BREAKDOWN AND DATA TRIANGULATION

#### FIGURE 8 DATA TRIANGULATION

#### 2.4 RESEARCH ASSUMPTIONS

#### 2.4.1 FACTOR ASSESSMENT

TABLE 2 FACTOR ASSESSMENT: 6G MARKET

#### 2.5 RECESSION IMPACT

FIGURE 9 RECESSION IMPACT: 6G MARKET

### 3 EXECUTIVE SUMMARY

FIGURE 10 6G MARKET, 2023–2030 (USD MILLION)

FIGURE 11 6G MARKET, BY VERTICAL, 2023 VS. 2030 (USD MILLION)

FIGURE 12 6G MARKET, BY APPLICATION, 2023 VS. 2030 (USD MILLION)

FIGURE 13 6G MARKET, BY DEPLOYMENT DEVICE, 2023 VS. 2030 (USD MILLION)

### 4 PREMIUM INSIGHTS

#### 4.1 6G MARKET OVERVIEW

FIGURE 14 NEXT-GENERATION CONNECTIVITY AND ADVANCED TECHNOLOGICAL CAPABILITIES TO DRIVE MARKET GROWTH

#### 4.2 NORTH AMERICA: 6G MARKET, BY VERTICAL AND APPLICATION (2023)

FIGURE 15 AUTOMOTIVE AND NETWORK-ENABLED ROBOTIC AND AUTONOMOUS SYSTEMS TO ACCOUNT FOR HIGHEST CAGR IN 2023

#### 4.3 ASIA PACIFIC: 6G MARKET, BY APPLICATION AND DEPLOYMENT DEVICE (2023)

FIGURE 16 NETWORK-ENABLED ROBOTIC AND AUTONOMOUS SYSTEMS AND INTERNET OF THINGS (IOT) DEVICES TO ACCOUNT FOR HIGHEST CAGR IN 2023

#### 4.4 EUROPE: 6G MARKET, BY VERTICAL AND DEPLOYMENT DEVICE (2023)

FIGURE 17 AUTOMOTIVE AND SMARTPHONES SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE IN 2023

#### 4.5 GEOGRAPHICAL SNAPSHOT

FIGURE 18 ASIA PACIFIC EXPECTED TO ACHIEVE HIGHEST GROWTH

### 5 MARKET OVERVIEW AND INDUSTRY TRENDS

#### 5.1 INTRODUCTION

#### 5.2 MARKET DYNAMICS

FIGURE 19 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES: 6G MARKET

##### 5.2.1 DRIVERS

5.2.1.1 Increasing Data Demand

5.2.1.2 Technological Advancements

5.2.1.3 Industry and Economic Growth

## 5.2.2 RESTRAINTS

5.2.2.1 Infrastructure Development

5.2.2.2 Spectrum Availability

5.2.2.3 Regulatory and Standardization Challenges

## 5.2.3 OPPORTUNITIES

5.2.3.1 Transformative Applications

5.2.3.2 Edge Computing and AI Integration

5.2.3.3 Global Connectivity

## 5.2.4 CHALLENGES

5.2.4.1 Security and Privacy

5.2.4.2 Ethical and Social Implications

5.2.4.3 Environmental Impact

## 5.3 6G MARKET: SUPPLY CHAIN ANALYSIS

FIGURE 20 6G MARKET: SUPPLY CHAIN

## 5.4 ECOSYSTEM

TABLE 3 6G MARKET: ECOSYSTEM

## 5.5 TECHNOLOGY ANALYSIS

### 5.5.1 INTRODUCTION

### 5.5.2 ADJACENT TECHNOLOGIES

5.5.2.1 Higher Frequency Bands

5.5.2.2 Terahertz (THz) Communications

5.5.2.3 Massive MIMO and Beamforming

5.5.2.4 Ultra-low-latency and Network Slicing

### 5.5.3 RELATED TECHNOLOGIES

5.5.3.1 AI and Machine Learning

5.5.3.2 Quantum Communications and Security

5.5.3.3 Edge Computing and Distributed Intelligence

## 5.6 CASE STUDY ANALYSIS

5.6.1 CASE STUDY 1: NOKIA SHOWCASED 6G AND RESEARCH ON LUNAR NETWORKS

5.6.2 CASE STUDY 2: SAMSUNG UNVEILED ITS EXYNOS MODEM, WHICH SUPPORTS TWO-WAY SATELLITE COMMUNICATION

5.6.3 CASE STUDY 3: NTT CREATED PROTOTYPE BASEBAND AMPLIFIER CHIP FOR NETWORKS OPERATING AT 2 TERABYTES PER SECOND

## 5.7 PATENT ANALYSIS

### 5.7.1 METHODOLOGY

FIGURE 21 TOTAL NUMBER OF PATENTS GRANTED ANNUALLY IN 2019–2022

FIGURE 22 TOP TEN COMPANIES WITH HIGHEST NUMBER OF PATENT



APPLICATIONS, 2019–2022

TABLE 4 TOP TEN PATENT OWNERS IN 6G MARKET, 2019–2022

5.8 PORTER'S FIVE FORCES ANALYSIS

TABLE 5 6G MARKET: PORTER'S FIVE FORCES MODEL

5.8.1 BARGAINING POWER OF SUPPLIERS

5.8.2 BARGAINING POWER OF BUYERS

5.8.3 THREAT OF SUBSTITUTES

5.8.4 THREAT OF NEW ENTRANTS

5.8.5 INTENSITY OF COMPETITIVE RIVALRY

5.9 REGULATORY LANDSCAPE

5.9.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 6 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 7 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 8 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 9 MIDDLE EAST & AFRICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 10 LATIN AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.9.1.1 North America

5.9.1.1.1 US

5.9.1.1.2 Canada

5.9.1.2 Europe

5.9.1.3 Asia Pacific

5.9.1.3.1 China

5.9.1.3.2 Australia

5.9.1.3.3 Japan

5.9.1.4 Middle East & Africa

5.9.1.4.1 Saudi Arabia

5.10 KEY CONFERENCES & EVENTS IN 2022–2023

TABLE 11 6G MARKET: DETAILED LIST OF CONFERENCES & EVENTS IN 2022–2023

## **6 6G MARKET, BY DEPLOYMENT DEVICE**

### **6.1 INTRODUCTION**



FIGURE 23 INTERNET OF THINGS (IOT) DEVICES TO GROW AT HIGHER CAGR (2023–2030)

TABLE 12 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

## 6.2 SMARTPHONES

6.2.1 6G TO OFFER LIGHTNING-FAST SPEEDS AND LOW-LATENCY

6.2.2 SMARTPHONES: MARKET DRIVERS

TABLE 13 SMARTPHONES: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

## 6.3 TABLETS

6.3.1 6G TO ENHANCE CAPABILITIES OF TABLETS, ENABLING SEAMLESS MULTITASKING

6.3.2 TABLETS: MARKET DRIVERS

TABLE 14 TABLETS: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

## 6.4 WEARABLES

6.4.1 6G TO REVOLUTIONIZE WEARABLES BY PROVIDING ULTRA-RELIABLE AND HIGH-BANDWIDTH CONNECTIVITY

6.4.2 WEARABLES: MARKET DRIVERS

TABLE 15 WEARABLES: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

## 6.5 INTERNET OF THINGS (IOT) DEVICES

6.5.1 6G TO EMPOWER IOT DEVICES WITH MASSIVE CONNECTIVITY, ENABLING SEAMLESS INTEGRATION AND EFFICIENT COMMUNICATION

6.5.2 INTERNET OF THINGS (IOT) DEVICES: MARKET DRIVERS

TABLE 16 INTERNET OF THINGS (IOT) DEVICES: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

## 6.6 OTHER DEPLOYMENT DEVICES

6.6.1 OTHER DEPLOYMENT DEVICES: MARKET DRIVERS

TABLE 17 OTHER DEPLOYMENT DEVICES: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

## 7 6G MARKET, BY APPLICATION

### 7.1 INTRODUCTION

FIGURE 24 NETWORKED-ENABLED ROBOTIC AND AUTONOMOUS SYSTEMS TO GROW AT HIGHER CAGR (2023–2030)

TABLE 18 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

### 7.2 MULTI-SENSORY EXTENDED REALITY

7.2.1 6G TO ENABLE IMMERSIVE AND REALISTIC VIRTUAL & AUGMENTED REALITY EXPERIENCE

7.2.2 MULTI-SENSORY EXTENDED REALITY: MARKET DRIVERS

TABLE 19 MULTI-SENSORY EXTENDED REALITY: 6G MARKET, BY REGION,

2023–2030 (USD MILLION)

### 7.3 NETWORKED-ENABLED ROBOTIC AND AUTONOMOUS SYSTEMS

7.3.1 6G TO EMPOWER ADVANCED CONNECTIVITY FOR SEAMLESS INTEGRATION OF ROBOTS AND AUTONOMOUS SYSTEMS

7.3.2 NETWORKED-ENABLED ROBOTIC AND AUTONOMOUS SYSTEMS: MARKET DRIVERS

TABLE 20 NETWORKED-ENABLED ROBOTIC AND AUTONOMOUS SYSTEMS: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

### 7.4 BLOCKCHAIN

7.4.1 6G TO INTEGRATE SECURE & TRANSPARENT BLOCKCHAIN TECHNOLOGY FOR RELIABLE TRANSACTIONS AND DATA MANAGEMENT

7.4.2 BLOCKCHAIN: MARKET DRIVERS

TABLE 21 BLOCKCHAIN: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

### 7.5 DISTRIBUTED SENSING AND COMMUNICATIONS

7.5.1 6G TO ENABLE REAL-TIME DATA COLLECTION AND COMMUNICATION FOR ENHANCED ENVIRONMENTAL MONITORING

7.5.2 DISTRIBUTED SENSING AND COMMUNICATIONS: MARKET DRIVERS

TABLE 22 DISTRIBUTED SENSING AND COMMUNICATIONS: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

### 7.6 OTHER APPLICATIONS

7.6.1 OTHER APPLICATIONS: MARKET DRIVERS

TABLE 23 OTHER APPLICATIONS: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

## 8 6G MARKET, BY VERTICAL

### 8.1 INTRODUCTION

FIGURE 25 HEALTHCARE SEGMENT TO GROW AT HIGHEST CAGR (2023–2030)

TABLE 24 6G MARKET SIZE, BY VERTICAL, 2023–2030 (USD MILLION)

### 8.2 AGRICULTURE

8.2.1 6G TO OPTIMIZE CROP YIELD, RESOURCE MANAGEMENT, AND SUSTAINABILITY

8.2.2 AGRICULTURE: MARKET DRIVERS

TABLE 25 AGRICULTURE: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

### 8.3 AUTOMOTIVE

8.3.1 6G TO EMPOWER CONNECTED AND AUTONOMOUS VEHICLES

8.3.2 AUTOMOTIVE: MARKET DRIVERS

TABLE 26 AUTOMOTIVE: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

### 8.4 EDUCATIONAL & ENTERTAINMENT

#### 8.4.1 6G TO REVOLUTIONIZE EDUCATION & ENTERTAINMENT

#### 8.4.2 EDUCATIONAL & ENTERTAINMENT: MARKET DRIVERS

TABLE 27 EDUCATIONAL & ENTERTAINMENT: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

#### 8.5 HEALTHCARE

#### 8.5.1 6G TO FACILITATE REMOTE HEALTHCARE SERVICES

#### 8.5.2 HEALTHCARE: MARKET DRIVERS

TABLE 28 HEALTHCARE: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

#### 8.6 MANUFACTURING

#### 8.6.1 6G TO DRIVE SMART MANUFACTURING

#### 8.6.2 MANUFACTURING: MARKET DRIVERS

TABLE 29 MANUFACTURING: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

#### 8.7 PUBLIC SAFETY

#### 8.7.1 6G TO ENHANCE PUBLIC SAFETY

#### 8.7.2 PUBLIC SAFETY: MARKET DRIVERS

TABLE 30 PUBLIC SAFETY: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

#### 8.8 OTHER VERTICALS

#### 8.8.1 OTHER VERTICALS: MARKET DRIVERS

TABLE 31 OTHER VERTICALS: 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

### **9 6G MARKET, BY REGION**

#### 9.1 INTRODUCTION

FIGURE 26 6G MARKET: REGIONAL SNAPSHOT (2023)

FIGURE 27 6G MARKET, BY REGION, 2023 VS. 2030 (USD MILLION)

TABLE 32 6G MARKET, BY REGION, 2023–2030 (USD MILLION)

#### 9.2 NORTH AMERICA

#### 9.2.1 STRONG GOVERNMENT SUPPORT AND FUNDING FOR 6G RESEARCH

#### 9.2.2 NORTH AMERICA: MARKET DRIVERS

#### 9.2.3 NORTH AMERICA: RECESSION IMPACT

FIGURE 28 NORTH AMERICAN MARKET SNAPSHOT

TABLE 33 NORTH AMERICA: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 34 NORTH AMERICA: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 35 NORTH AMERICA: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

TABLE 36 NORTH AMERICA: 6G MARKET, BY COUNTRY, 2023–2030 (USD

MILLION)

#### 9.2.4 US

TABLE 37 US: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 38 US: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 39 US: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

#### 9.2.5 CANADA

TABLE 40 CANADA: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 41 CANADA: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 42 CANADA: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

### 9.3 EUROPE

9.3.1 COLLABORATIVE EFFORTS BETWEEN INDUSTRY PLAYERS AND REGULATORY BODIES TO ESTABLISH STANDARDIZED FRAMEWORKS FOR 6G DEPLOYMENT

#### 9.3.2 EUROPE: MARKET DRIVERS

#### 9.3.3 EUROPE: RECESSION IMPACT

TABLE 43 EUROPE: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 44 EUROPE: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 45 EUROPE: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

TABLE 46 EUROPE: 6G MARKET, BY COUNTRY, 2023–2030 (USD MILLION)

#### 9.3.4 UK

TABLE 47 UK: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 48 UK: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 49 UK: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

#### 9.3.5 GERMANY

TABLE 50 GERMANY: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 51 GERMANY: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 52 GERMANY: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

#### 9.3.6 ITALY

TABLE 53 ITALY: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 54 ITALY: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 55 ITALY: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

#### 9.3.7 FRANCE

TABLE 56 FRANCE: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 57 FRANCE: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 58 FRANCE: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD

MILLION)

#### 9.3.8 SPAIN

TABLE 59 SPAIN: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 60 SPAIN: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 61 SPAIN: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

#### 9.3.9 REST OF EUROPE

### 9.4 ASIA PACIFIC

9.4.1 GROWING INVESTMENTS FROM TELECOM OPERATORS AND TECHNOLOGY COMPANIES TO ACCELERATE DEVELOPMENT AND COMMERCIALIZATION

#### 9.4.2 ASIA PACIFIC: MARKET DRIVERS

#### 9.4.3 ASIA PACIFIC: RECESSION IMPACT

FIGURE 29 ASIA PACIFIC: MARKET SNAPSHOT

TABLE 62 ASIA PACIFIC: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 63 ASIA PACIFIC: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 64 ASIA PACIFIC: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

TABLE 65 ASIA PACIFIC: 6G MARKET, BY COUNTRY, 2023–2030 (USD MILLION)

#### 9.4.4 CHINA

TABLE 66 CHINA: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 67 CHINA: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 68 CHINA: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

#### 9.4.5 JAPAN

TABLE 69 JAPAN: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 70 JAPAN: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 71 JAPAN: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

#### 9.4.6 INDIA

TABLE 72 INDIA: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 73 INDIA: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 74 INDIA: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

#### 9.4.7 SOUTH KOREA

TABLE 75 SOUTH KOREA: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 76 SOUTH KOREA: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 77 SOUTH KOREA: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030  
(USD MILLION)

9.4.8 REST OF ASIA PACIFIC

9.5 MIDDLE EAST & AFRICA

9.5.1 INCREASED FOCUS ON DIGITAL TRANSFORMATION AND CONNECTIVITY  
INITIATIVES TO DRIVE DEMAND FOR 6G SOLUTIONS

9.5.2 MIDDLE EAST & AFRICA: MARKET DRIVERS

9.5.3 MIDDLE EAST & AFRICA: RECESSION IMPACT

TABLE 78 MIDDLE EAST & AFRICA: 6G MARKET, BY VERTICAL, 2023–2030 (USD  
MILLION)

TABLE 79 MIDDLE EAST & AFRICA: 6G MARKET, BY APPLICATION, 2023–2030  
(USD MILLION)

TABLE 80 MIDDLE EAST & AFRICA: 6G MARKET, BY DEPLOYMENT DEVICE,  
2023–2030 (USD MILLION)

TABLE 81 MIDDLE EAST & AFRICA: 6G MARKET, BY COUNTRY, 2023–2030 (USD  
MILLION)

9.5.4 KSA

TABLE 82 KSA: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 83 KSA: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 84 KSA: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD  
MILLION)

9.5.5 UAE

TABLE 85 UAE: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 86 UAE: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 87 UAE: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD  
MILLION)

9.5.6 SOUTH AFRICA

TABLE 88 SOUTH AFRICA: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 89 SOUTH AFRICA: 6G MARKET, BY APPLICATION, 2023–2030 (USD  
MILLION)

9.5.7 REST OF MIDDLE EAST & AFRICA

TABLE 90 REST OF MIDDLE EAST & AFRICA: 6G MARKET, BY DEPLOYMENT  
DEVICE, 2023–2030 (USD MILLION)

9.6 LATIN AMERICA

9.6.1 STRATEGIC PARTNERSHIPS BETWEEN GOVERNMENTS AND PRIVATE  
SECTOR TO PROMOTE 6G INFRASTRUCTURE DEVELOPMENT AND ADOPTION

9.6.2 LATIN AMERICA: MARKET DRIVERS

9.6.3 LATIN AMERICA: RECESSION IMPACT

TABLE 91 LATIN AMERICA: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)



TABLE 92 LATIN AMERICA: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 93 LATIN AMERICA: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

TABLE 94 LATIN AMERICA: 6G MARKET, BY COUNTRY, 2023–2030 (USD MILLION)

#### 9.6.4 BRAZIL

TABLE 95 BRAZIL: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 96 BRAZIL: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 97 BRAZIL: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

#### 9.6.5 MEXICO

TABLE 98 MEXICO: 6G MARKET, BY VERTICAL, 2023–2030 (USD MILLION)

TABLE 99 MEXICO: 6G MARKET, BY APPLICATION, 2023–2030 (USD MILLION)

TABLE 100 MEXICO: 6G MARKET, BY DEPLOYMENT DEVICE, 2023–2030 (USD MILLION)

## 10 COMPETITIVE LANDSCAPE

### 10.1 OVERVIEW

#### 10.2 STRATEGIES ADOPTED BY KEY PLAYERS

TABLE 101 OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS IN 6G MARKET

#### 10.3 MARKET SHARE ANALYSIS OF TOP PLAYERS

TABLE 102 6G MARKET: DEGREE OF COMPETITION

#### 10.4 HISTORICAL REVENUE ANALYSIS

FIGURE 30 HISTORICAL THREE-YEAR REVENUE ANALYSIS OF LEADING PLAYERS, 2020–2022 (USD MILLION)

#### 10.5 COMPANY EVALUATION QUADRANT

FIGURE 31 COMPANY EVALUATION MATRIX: CRITERIA WEIGHTAGE

##### 10.5.1 STARS

##### 10.5.2 EMERGING LEADERS

##### 10.5.3 PERVASIVE PLAYERS

##### 10.5.4 PARTICIPANTS

FIGURE 32 6G MARKET (GLOBAL): KEY COMPANY EVALUATION MATRIX, 2023

#### 10.6 COMPETITIVE BENCHMARKING

TABLE 103 COMPANY FOOTPRINT (GLOBAL)

TABLE 104 COMPANY FOOTPRINT, BY VERTICAL (GLOBAL)

TABLE 105 COMPANY FOOTPRINT, BY REGION (GLOBAL)

#### 10.7 STARTUP/SME EVALUATION QUADRANT



**FIGURE 33 STARTUP/SME EVALUATION MATRIX: CRITERIA WEIGHTAGE**

10.7.1 PROGRESSIVE COMPANIES

10.7.2 RESPONSIVE COMPANIES

10.7.3 DYNAMIC COMPANIES

10.7.4 STARTING BLOCKS

**FIGURE 34 6G MARKET (STARTUP/SMES) COMPANY EVALUATION MATRIX, 2023****10.8 STARTUP/SME COMPETITIVE BENCHMARKING**

TABLE 106 COMPANY FOOTPRINT (STARTUPS/SMES)

TABLE 107 COMPANY FOOTPRINT, BY VERTICAL (STARTUP/SMES)

TABLE 108 COMPANY FOOTPRINT, BY REGION (STARTUP/SMES)

**10.9 COMPETITIVE SCENARIO AND TRENDS**

10.9.1 DEALS

TABLE 109 DEALS, DECEMBER 2020–MAY 2023

**11 COMPANY PROFILES**

(Business Overview, Recent Developments, MnM View)\*

**11.1 MAJOR PLAYERS**

11.1.1 AT&amp;T

TABLE 110 AT&amp;T: BUSINESS OVERVIEW

FIGURE 35 AT&amp;T: COMPANY SNAPSHOT

TABLE 111 AT&amp;T: DEALS

11.1.2 BROADCOM

TABLE 112 BROADCOM: BUSINESS OVERVIEW

FIGURE 36 BROADCOM: COMPANY SNAPSHOT

TABLE 113 BROADCOM: DEALS

11.1.3 CISCO

TABLE 114 CISCO: BUSINESS OVERVIEW

FIGURE 37 CISCO: COMPANY SNAPSHOT

TABLE 115 CISCO: DEALS

11.1.4 ERICSSON

TABLE 116 ERICSSON: BUSINESS OVERVIEW

FIGURE 38 ERICSSON: COMPANY SNAPSHOT

TABLE 117 ERICSSON: DEALS

11.1.5 GOOGLE

TABLE 118 GOOGLE: BUSINESS OVERVIEW

FIGURE 39 GOOGLE: COMPANY SNAPSHOT

TABLE 119 GOOGLE: DEALS

11.1.6 HUAWEI

TABLE 120 HUAWEI: BUSINESS OVERVIEW

FIGURE 40 HUAWEI: COMPANY SNAPSHOT

TABLE 121 HUAWEI: DEALS

#### 11.1.7 NOKIA

TABLE 122 NOKIA: BUSINESS OVERVIEW

FIGURE 41 NOKIA: COMPANY SNAPSHOT

TABLE 123 NOKIA: DEALS

#### 11.1.8 NTT DOCOMO

TABLE 124 NTT DOCOMO: BUSINESS OVERVIEW

FIGURE 42 NTT DOCOMO: COMPANY SNAPSHOT

TABLE 125 NTT DOCOMO: DEALS

#### 11.1.9 ORANGE

TABLE 126 ORANGE: BUSINESS OVERVIEW

FIGURE 43 ORANGE: COMPANY SNAPSHOT

TABLE 127 ORANGE: DEALS

#### 11.1.10 RELIANCE JIO

TABLE 128 RELIANCE JIO: BUSINESS OVERVIEW

FIGURE 44 RELIANCE JIO: COMPANY SNAPSHOT

TABLE 129 RELIANCE JIO: DEALS

#### 11.1.11 SAMSUNG

TABLE 130 SAMSUNG: BUSINESS OVERVIEW

FIGURE 45 SAMSUNG: COMPANY SNAPSHOT

TABLE 131 SAMSUNG: DEALS

#### 11.1.12 T-MOBILE

TABLE 132 T-MOBILE: BUSINESS OVERVIEW

FIGURE 46 T-MOBILE: COMPANY SNAPSHOT

TABLE 133 T-MOBILE: DEALS

#### 11.1.13 VERIZON

TABLE 134 VERIZON: BUSINESS OVERVIEW

FIGURE 47 VERIZON: COMPANY SNAPSHOT

TABLE 135 VERIZON: DEALS

#### 11.1.14 CHINA MOBILE

TABLE 136 CHINA MOBILE: BUSINESS OVERVIEW

FIGURE 48 CHINA MOBILE: COMPANY SNAPSHOT

TABLE 137 CHINA MOBILE: DEALS

#### 11.1.15 ZTE

TABLE 138 ZTE: BUSINESS OVERVIEW

FIGURE 49 ZTE: COMPANY SNAPSHOT

TABLE 139 ZTE: DEALS

\*Details on Business Overview, Recent Developments, MnM View might not be captured in case of unlisted companies.

## 11.2 OTHER PLAYERS

11.2.1 DEEPSIG

11.2.2 FUJITSU

11.2.3 INTERDIGITAL

11.2.4 KEYSIGHT TECHNOLOGIES

11.2.5 LG CORP

11.2.6 MEDIATEK

11.2.7 NATIONAL INSTRUMENT CORP

11.2.8 NEC

11.2.9 QUALCOMM

11.2.10 SK TELECOM

11.2.11 SONY

## 12 ADJACENT/RELATED MARKETS

### 12.1 5G SERVICES MARKET

12.1.1 MARKET DEFINITION

12.1.2 5G SERVICES MARKET, BY END USER

TABLE 140 5G SERVICES MARKET, BY END USER, 2020–2027 (USD BILLION)

TABLE 141 CONSUMERS: 5G SERVICES MARKET, BY REGION, 2020–2027 (USD BILLION)

TABLE 142 ENTERPRISES: 5G SERVICES MARKET, BY REGION, 2020–2027 (USD BILLION)

12.1.3 5G SERVICES MARKET, BY COMMUNICATION TYPE

TABLE 143 5G SERVICES MARKET, BY COMMUNICATION TYPE, 2020–2027 (USD BILLION)

TABLE 144 FIXED WIRELESS ACCESS: 5G SERVICES MARKET, BY REGION, 2020–2027 (USD BILLION)

TABLE 145 ENHANCED MOBILE BROADBAND: 5G SERVICES MARKET, BY REGION, 2020–2027 (USD BILLION)

TABLE 146 MASSIVE MACHINE-TYPE COMMUNICATIONS: 5G SERVICES MARKET, BY REGION, 2020–2027 (USD BILLION)

TABLE 147 ULTRA-RELIABLE, LOW-LATENCY: 5G SERVICES MARKET, BY REGION, 2020–2027 (USD BILLION)

12.1.4 5G SERVICES MARKET, BY ENTERPRISE

TABLE 148 5G SERVICES MARKET, BY ENTERPRISE, 2020–2027 (USD BILLION)

12.1.5 5G SERVICES MARKET, BY REGION

TABLE 149 NORTH AMERICA: 5G SERVICES MARKET, BY END USER, 2020–2027 (USD BILLION)

TABLE 150 NORTH AMERICA: 5G SERVICES MARKET, BY ENTERPRISE, 2020–2027 (USD BILLION)

TABLE 151 NORTH AMERICA: 5G SERVICES MARKET, BY COMMUNICATION TYPE, 2020–2027 (USD BILLION)

TABLE 152 NORTH AMERICA: 5G SERVICES MARKET, BY COUNTRY, 2020–2027 (USD BILLION)

TABLE 153 EUROPE: 5G SERVICES MARKET, BY END USER, 2020–2027 (USD BILLION)

TABLE 154 EUROPE: 5G SERVICES MARKET, BY ENTERPRISE, 2020–2027 (USD BILLION)

TABLE 155 EUROPE: 5G SERVICES MARKET, BY COMMUNICATION TYPE, 2020–2027 (USD BILLION)

TABLE 156 EUROPE: 5G SERVICES MARKET, BY COUNTRY, 2020–2027 (USD BILLION)

TABLE 157 ASIA PACIFIC: 5G SERVICES MARKET, BY END USER, 2020–2027 (USD BILLION)

TABLE 158 ASIA PACIFIC: 5G SERVICES MARKET, BY ENTERPRISE, 2020–2027 (USD BILLION)

TABLE 159 ASIA PACIFIC: 5G SERVICES MARKET, BY COMMUNICATION TYPE, 2020–2027 (USD BILLION)

TABLE 160 ASIA PACIFIC: 5G SERVICES MARKET, BY COUNTRY, 2020–2027 (USD BILLION)

TABLE 161 MIDDLE EAST & AFRICA: 5G SERVICES MARKET, BY END USER, 2020–2027 (USD BILLION)

TABLE 162 MIDDLE EAST & AFRICA: 5G SERVICES MARKET, BY ENTERPRISE, 2020–2027 (USD BILLION)

TABLE 163 MIDDLE EAST & AFRICA: 5G SERVICES MARKET, BY COMMUNICATION TYPE, 2020–2027 (USD BILLION)

TABLE 164 MIDDLE EAST & AFRICA: 5G SERVICES MARKET, BY COUNTRY, 2020–2027 (USD BILLION)

TABLE 165 LATIN AMERICA: 5G SERVICES MARKET, BY END USER, 2020–2027 (USD BILLION)

TABLE 166 LATIN AMERICA: 5G SERVICES MARKET, BY ENTERPRISE, 2020–2027 (USD BILLION)

TABLE 167 LATIN AMERICA: 5G SERVICES MARKET, BY COMMUNICATION TYPE, 2020–2027 (USD BILLION)

TABLE 168 LATIN AMERICA: 5G SERVICES MARKET, BY COUNTRY, 2020–2027

(USD BILLION)

## 12.2 NANOSATELLITE AND MICROSATELLITE MARKET

### 12.2.1 MARKET DEFINITION

### 12.2.2 NANOSATELLITE AND MICROSATELLITE MARKET, BY COMPONENT

TABLE 169 NANOSATELLITE AND MICROSATELLITE MARKET, BY COMPONENT, 2017–2021 (USD MILLION)

TABLE 170 NANOSATELLITE AND MICROSATELLITE MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

### 12.2.3 NANOSATELLITE AND MICROSATELLITE MARKET, BY TYPE

TABLE 171 NANOSATELLITE AND MICROSATELLITE MARKET, BY TYPE, 2017–2021 (USD MILLION)

TABLE 172 NANOSATELLITE AND MICROSATELLITE MARKET, BY TYPE, 2022–2027 (USD MILLION)

### 12.2.4 NANOSATELLITE AND MICROSATELLITE MARKET, BY SIZE

TABLE 173 NANOSATELLITE AND MICROSATELLITE MARKET, BY SIZE, 2017–2021 (USD MILLION)

TABLE 174 NANOSATELLITE AND MICROSATELLITE MARKET, BY SIZE, 2022–2027 (USD MILLION)

### 12.2.5 NANOSATELLITE AND MICROSATELLITE MARKET, BY APPLICATION

TABLE 175 NANOSATELLITE AND MICROSATELLITE MARKET, BY APPLICATION, 2017–2021 (USD MILLION)

TABLE 176 NANOSATELLITE AND MICROSATELLITE MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

### 12.2.6 NANOSATELLITE AND MICROSATELLITE MARKET, BY VERTICAL

TABLE 177 NANOSATELLITE AND MICROSATELLITE MARKET, BY VERTICAL, 2017–2021 (USD MILLION)

TABLE 178 NANOSATELLITE AND MICROSATELLITE MARKET, BY VERTICAL, 2022–2027 (USD MILLION)

### 12.2.7 NANOSATELLITE AND MICROSATELLITE MARKET, BY FREQUENCY

TABLE 179 NANOSATELLITE AND MICROSATELLITE MARKET, BY FREQUENCY, 2017–2021 (USD MILLION)

TABLE 180 NANOSATELLITE AND MICROSATELLITE MARKET, BY FREQUENCY, 2022–2027 (USD MILLION)

## 13 APPENDIX

### 13.1 DISCUSSION GUIDE

### 13.2 KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

### 13.3 CUSTOMIZATION OPTIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

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