

5G NTN Market by Offering (Hardware, Software, and Services), End-Use Industry (Maritime, Aerospace & Defense, Government, Mining), Application (EMBB, URLLC, MMTC), Location (Urban, Rural, Remote, Isolated), Platform and Region - Global Forecast to 2029

<https://marketpublishers.com/r/581118FC802EEN.html>

Date: July 2024

Pages: 233

Price: US\$ 3,217.50 (Single User License)

ID: 581118FC802EEN

Abstracts

The 5G NTN market is estimated at USD 7.2 billion in 2024 to USD 31.7 billion by 2029, at a Compound Annual Growth Rate (CAGR) of 34.7%. The 5G NTN industry is being driven by the surge in consumer electronics. The need for pervasive connection is growing as more people embrace 5G-enabled smartphones, tablets, and other gadgets. To fill the need, 5G NTN provides high-speed internet connection even in rural locations. The 5G NTN market is expected to develop significantly due to this enhanced coverage, which opens up a whole new universe of consumer applications and services.

“The GEO satellite segment is expected to hold the largest market size during the forecast period.” The 5G NTN GEO satellite market capitalizes on its distinct advantages. GEO satellites provide wide-ranging and reliable coverage from their high equatorial position, making them perfect for remote asset monitoring and marine communications. When launching new satellite constellations, the initial investment costs are higher when using existing infrastructure. However, since they are farther away from customers, GEO satellites have higher latency, which makes them less suitable for real-time applications. They perform particularly well in applications where wide coverage is more important than low latency, including in-flight internet services and distant sensor data backhauling. Notwithstanding the growing importance of competing satellite technologies, the distinct capabilities of GEO satellites continue to

meet particular demands as the market changes.

“The services segment to register the fastest growth rate during the forecast period.”

The 5G NTN market for services is experiencing explosive growth driven by the increasing demand for ubiquitous connectivity. This demand stems from businesses seeking seamless global coverage for remote operations and data exchange, governments striving to bridge the digital divide in underserved regions, and consumers hungry for uninterrupted high-speed internet access everywhere. The 5G NTN service market offers a range of solutions to address these needs. These include network connectivity services that provide access to 5G NTN infrastructure, ensuring users stay connected even in remote locations. Additionally, deployment services are crucial for planning, installing, and managing 5G NTN networks, ensuring they reach their full potential. This combination of services is fueling rapid expansion in the 5G NTN market, fostering a future of truly global and uninterrupted connectivity.

“Asia Pacific's highest growth rate during the forecast period.”

In the rapidly evolving 5G NTN market across Asia-Pacific, significant strides are being made by innovative developments and strategic investments. China, South Korea, and India are the major revenue-contributing countries in the Asia Pacific. These countries have shown a significant rise in smart device users. According to the Ericsson Mobility Report published in June 2022, with the rising adoption of 5G smartphones in Asian countries, 5G subscriptions are expected to reach around 50 million by the end of 2023. The large population in Asia Pacific has created an extensive pool of mobile subscribers for telecom companies. The region is the largest contributor to the total number of mobile subscribers across the globe and will add more subscribers to its network in the coming years. Improving public safety in disasters and other emergencies can also be a major driver in adopting 5G NTN solutions in this region. The Asia Pacific region is witnessing a surge in smart infrastructures, such as smart city projects, creating a greater demand for public safety and security technologies such as surveillance systems, scanning and screening systems, and critical communication networks. Various industries such as aerospace, maritime, defense, and others are adopting integrated 5G network and satellite-based solutions to enhance network coverage in diverse locations. In the marine industry, maritime satellite technology has been adopted to leverage advanced communication networks to establish communication with employees working at remote offshore locations.

In-depth interviews have been conducted with chief executive officers (CEOs),

Directors, and other executives from various key organizations operating in the 5G NTN market.

By Company Type: Tier 1 – 35%, Tier 2 – 40%, and Tier 3 – 25%

By Designation: C-level –35%, D-level – 25%, and Others – 40%

By Region: North America – 30%, Europe – 35%, Asia Pacific – 25%, RoW- 10%,

The major players in the 5G NTN market include Qualcomm Technologies Inc (US), SoftBank Group Corporation (Japan), Thales Group (France), Rohde & Schwarz GmbH & Co KG (Germany), Keysight Technologies, Inc (US), MediaTek Inc. (Taiwan), SES S.A. (Luxembourg), EchoStar Corporation (US), SpaceX (US), AST SpaceMobile (US), ZTE Corporation (China), GateHouse SatCom (Denmark), OneWeb (UK), Omnispace LLC (US), Nelco (India), Skylo Technologies (US), Globalstar Inc (US), Spirent Communications (UK), Ericsson (Sweden), Nokia Corporation (Finland), Telefonica S.A. (Spain), Viasat Inc, (US), Telesat (Canada), Kuiper Systems (US), Sateliot (Spain), VIAVI Solutions (US), Radisys (US). These players have adopted various growth strategies, such as partnerships, agreements and collaborations, new product launches, enhancements, and acquisitions to expand their 5G NTN market footprint.

Research Coverage

The market study covers the 5G NTN market size across different segments. It aims at estimating the market size and the growth potential across different segments, including By offering (hardware, software, services), by platform (UAS, LEO Satellite, MEO satellite, GEO satellite), By application (eMBB, mMTC, URLLC), by end-use Industry (maritime, aerospace & defense, government, mining, other end-use industries) by vertical (urban, rural, remote, isolated) and Region (North America, Europe, Asia Pacific, Middle East & Africa, and Latin America). 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 market leaders and new entrants with information on the closest

approximations of the global 5G NTN market's revenue numbers and subsegments. It will also help stakeholders understand the competitive landscape and gain more insights to better position their businesses 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:

1. Analysis of key drivers (Adoption of software-centric approach, Need to address extreme coverage extension, 3GPP evolution toward NTN interworking and integration, Growing demand for IoT), restraints (Need for radio components to be grounded, Regulatory constraints), opportunities (Impact of NR-NTN integration on 5G connectivity, Need for NTN in the evolution toward 5G and 6G, 5G NB-IoT NTN to contribute to global high speed), and challenges (Signal interception, Propagation delay and low latency due to great distance between satellites and terrestrial user equipment) influencing the growth of the 5G NTN market.
2. Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the 5G NTN market.
3. Market Development: The report provides comprehensive information about lucrative markets, analyzing the 5G NTN market across various regions.
4. Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the 5G NTN market.
5. Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading include Qualcomm Technologies Inc (US), SoftBank Group Corporation (Japan), Thales Group (France), Rohde & Schwarz GmbH & Co KG (Germany), Keysight Technologies, Inc (US), MediaTek Inc. (Taiwan), SES S.A. (Luxembourg), EchoStar Corporation (US), SpaceX (US), AST SpaceMobile (US), ZTE Corporation (China), GateHouse SatCom (Denmark), OneWeb (UK), Omnispace LLC (US), Nelco (India), Skylo Technologies (US), Globalstar Inc (US), Spirent Communications (UK), Ericsson (Sweden), Nokia Corporation (Finland), Telefonica S.A. (Spain), Viasat Inc, (US), Telesat (Canada), Kuiper Systems (US), Sateliot (Spain), VIAVI Solutions (US), Radisys (US).

Contents

1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
 - 1.3.1 MARKET SEGMENTATION
 - 1.3.2 REGIONS COVERED
 - 1.3.3 INCLUSIONS & EXCLUSIONS
- 1.4 YEARS CONSIDERED
- 1.5 CURRENCY CONSIDERED
- 1.6 LIMITATIONS
- 1.7 STAKEHOLDERS
- 1.8 SUMMARY OF CHANGES
 - 1.8.1 RECESSION IMPACT

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key data from secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Primary interviews with experts
 - 2.1.2.2 List of key primary interview participants
 - 2.1.2.3 Breakdown of primaries
 - 2.1.2.4 Key data from primary sources
 - 2.1.2.5 Key industry insights
- 2.2 MARKET SIZE ESTIMATION
 - 2.2.1 BOTTOM-UP APPROACH
 - 2.2.2 TOP-DOWN APPROACH
 - 2.2.3 5G NTN MARKET SIZE ESTIMATION: SUPPLY-SIDE ANALYSIS (TOP-DOWN)
 - 2.2.4 5G NTN MARKET SIZE ESTIMATION: DEMAND-SIDE ANALYSIS
 - 2.2.5 MARKET FORECAST
- 2.3 MARKET BREAKDOWN AND DATA TRIANGULATION
- 2.4 RESEARCH ASSUMPTIONS
- 2.5 LIMITATIONS & RISK ASSESSMENT
- 2.6 IMPACT OF RECESSION ON 5G NTN MARKET

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

4.1 OPPORTUNITIES FOR PLAYERS IN 5G NTN MARKET

4.2 5G NTN MARKET, BY OFFERING

4.3 5G NTN MARKET, BY LOCATION

4.4 5G NTN MARKET, BY APPLICATION

4.5 5G NTN MARKET, BY END-USE INDUSTRY

4.6 5G NTN MARKET, BY PLATFORM

4.7 NORTH AMERICA: 5G NTN MARKET, BY OFFERING AND KEY PLATFORM

5 MARKET OVERVIEW AND INDUSTRY TRENDS

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Adoption of software-centric approach

5.2.1.2 Need to address extreme coverage extension

5.2.1.3 3GPP evolution toward NTN interworking and integration

5.2.1.4 Growing demand for IoT

5.2.2 RESTRAINTS

5.2.2.1 Need for radio components to be grounded

5.2.2.2 Regulatory constraints

5.2.3 OPPORTUNITIES

5.2.3.1 Impact of NR-NTN integration on 5G connectivity

5.2.3.2 Need for NTN in evolution toward 5G and 6G

5.2.3.3 5G NB-IoT NTN to contribute to global high speed

5.2.4 CHALLENGES

5.2.4.1 Signal interception

5.2.4.2 Propagation delay and low latency due to great distance between satellites and terrestrial user equipment

5.2.4.3 Doppler frequency shift owing to mobility issues

5.3 BRIEF HISTORY OF 5G NTN TECHNOLOGY

5.3.1 2000–2015

5.3.2 2016–2018

5.3.3 2019–2021

5.3.4 2022–2023

5.3.5 2024–PRESENT

5.4 TRENDS & DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES

5.5 PRICING ANALYSIS

5.5.1 AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY HARDWARE

5.5.2 INDICATIVE PRICING ANALYSIS OF KEY PLAYERS, BY SERVICE

5.6 VALUE CHAIN ANALYSIS

5.7 5G NTN MARKET: ECOSYSTEM ANALYSIS

5.8 TECHNOLOGY ANALYSIS

5.8.1 KEY TECHNOLOGIES

5.8.1.1 Satellite communications

5.8.1.2 IoT

5.8.1.3 High-Altitude Platforms (HAPs)

5.8.2 COMPLEMENTARY TECHNOLOGIES

5.8.2.1 Wi-Fi

5.8.2.2 Cloud computing

5.8.2.3 Fiber optic

5.8.3 ADJACENT TECHNOLOGIES

5.8.3.1 Artificial Intelligence and Machine Learning

5.8.3.2 Edge computing

5.9 PATENT ANALYSIS

5.9.1 METHODOLOGY

5.9.2 LIST OF MAJOR PATENTS GRANTED, 2022–2023

5.10 HS CODES

5.10.1 EXPORT SCENARIO FOR HS CODE: 851761

5.10.2 IMPORT SCENARIO FOR HS CODE: 851761

5.11 CASE STUDY ANALYSIS

5.11.1 CASE STUDY 1: KEYSIGHT TECHNOLOGIES AND QUALCOMM TECHNOLOGIES ESTABLISHED END-TO-END 5G NTN CONNECTION

5.11.2 CASE STUDY 2: ERICSSON, QUALCOMM, AND THALES COLLABORATED TO PROVIDE GLOBAL COVERAGE THROUGH 5G SMARTPHONES

5.11.3 CASE STUDY 3: SMART AND OMNISPAC TEAMED UP TO EXPLORE SPACE-BASED 5G TECHNOLOGIES

5.11.4 CASE STUDY 4: T-MOBILE AND SPACEX COLLABORATED TO PROVIDE TEXT COVERAGE AND OFFER NO-DEAD ZONES

5.11.5 CASE STUDY 5: ZTE CORPORATION AND CHINA MOBILE SHOWCASED FIRST 5G NTN FIELD TRIAL

5.12 KEY CONFERENCES & EVENTS

5.13 5G NTN MARKET: BUSINESS MODELS

5.13.1 SATELLITE INTERNET SERVICE PROVIDERS (ISPS)

5.13.2 AERIAL NETWORK PROVIDERS

- 5.13.3 ENTERPRISE SOLUTIONS
- 5.13.4 SUBSCRIPTION-BASED SERVICES
- 5.13.5 INFRASTRUCTURE-AS-A-SERVICE (IAAS)
- 5.14 BEST PRACTICES IN 5G NTN MARKET
 - 5.14.1 STRATEGIC DEPLOYMENT PLANNING
 - 5.14.2 TECHNOLOGY INTEGRATION
 - 5.14.3 ADVANCED ANTENNA AND MODEM TECHNOLOGIES
 - 5.14.4 EFFICIENT SPECTRUM MANAGEMENT
 - 5.14.5 ROBUST BACKHAUL SOLUTIONS
 - 5.14.6 POWER MANAGEMENT AND SUSTAINABILITY
 - 5.14.7 SECURITY AND PRIVACY
 - 5.14.8 COLLABORATIONS AND PARTNERSHIPS
 - 5.14.9 ROBUST API DOCUMENTATION
 - 5.14.10 USER EXPERIENCE AND FEEDBACK
- 5.15 5G NTN TOOLS, FRAMEWORKS, AND TECHNIQUES
- 5.16 REGULATORY LANDSCAPE
 - 5.16.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
 - 5.16.2 REGULATIONS, BY REGION
 - 5.16.2.1 North America
 - 5.16.2.1.1 US
 - 5.16.2.1.2 Canada
 - 5.16.2.2 Europe
 - 5.16.2.3 Asia Pacific
 - 5.16.2.3.1 China
 - 5.16.2.3.2 Australia
 - 5.16.2.3.3 Japan
 - 5.16.2.4 Middle East & Africa
 - 5.16.2.4.1 UAE
 - 5.16.2.4.2 KSA
 - 5.16.2.5 Latin America
 - 5.16.2.5.1 Mexico
- 5.17 PORTER'S FIVE FORCES ANALYSIS
 - 5.17.1 THREAT OF NEW ENTRANTS
 - 5.17.2 THREAT OF SUBSTITUTES
 - 5.17.3 BARGAINING POWER OF BUYERS
 - 5.17.4 BARGAINING POWER OF SUPPLIERS
 - 5.17.5 INTENSITY OF COMPETITIVE RIVALRY
- 5.18 KEY STAKEHOLDERS & BUYING CRITERIA

- 5.18.1 KEY STAKEHOLDERS IN BUYING PROCESS
- 5.18.2 BUYING CRITERIA
- 5.19 INVESTMENT & FUNDING SCENARIO

6 5G NTN MARKET, BY OFFERING

- 6.1 INTRODUCTION
 - 6.1.1 OFFERINGS: 5G NTN MARKET DRIVERS
- 6.2 HARDWARE
 - 6.2.1 SHIFT TOWARD 5G NTN HARDWARE INSTALLATION TO ENHANCE NETWORK COVERAGE
- 6.3 SOFTWARE
 - 6.3.1 SOFTWARE SOLUTIONS TO ENSURE SEAMLESS CONNECTIVITY IN REMOTE LOCATIONS
- 6.4 SERVICES
 - 6.4.1 DEMAND FOR UNINTERRUPTED CONNECTIVITY IN UNDERSERVED AREAS TO DRIVE MARKET FOR 5G NTN SERVICES
 - 6.4.2 DEPLOYMENT SERVICES
 - 6.4.3 CONNECTIVITY SERVICES

7 5G NTN MARKET, BY PLATFORM

- 7.1 INTRODUCTION
 - 7.1.1 PLATFORMS: 5G NTN MARKET DRIVERS
- 7.2 UAS PLATFORM
 - 7.2.1 FOCUS ON SUPPORTING AIRBORNE COMMUNICATION TO SPUR GROWTH
- 7.3 LEO SATELLITE
 - 7.3.1 LEO SATELLITES PROVIDE CONNECTIVITY COVERAGE AT ALTITUDES RANGING FROM 300 TO 1500 KM
- 7.4 MEO SATELLITE
 - 7.4.1 MEO SATELLITES HAVE LOWER ORBITS THAN GEO SATELLITES, REDUCING RF POWER REQUIREMENTS AND COMMUNICATION DELAYS
- 7.5 GEO SATELLITE
 - 7.5.1 GEO PLATFORMS SUPPORT AND ENHANCE NETWORK COVERAGE IN REMOTE, ISOLATED, AND UNDERSERVED AREAS

8 5G NTN MARKET, BY APPLICATION

8.1 INTRODUCTION

8.1.1 APPLICATIONS: 5G NTN MARKET DRIVERS

8.2 EMBB

8.2.1 NEED TO OFFER HIGH-SPEED BROADBAND CONNECTIVITY IN DENSELY POPULATED AREAS TO PROPEL GROWTH

8.3 MMTTC

8.3.1 NEED FOR SCALABLE AND EFFICIENT CONNECTIVITY OF MANY DEVICES TO BOOST MARKET EXPANSION

8.4 URLLC

8.4.1 URLLC PROVIDES DATA TRANSMISSION WITH HIGH RELIABILITY IN 5G NTN SYSTEMS

9 5G NTN MARKET, BY END-USE INDUSTRY

9.1 INTRODUCTION

9.1.1 END-USE INDUSTRIES: 5G NTN MARKET DRIVERS

9.2 MARITIME

9.2.1 ENHANCED 5G NETWORK COVERAGE TO SUPPORT TRACKING AND MONITORING IN MARITIME INDUSTRY

9.2.2 USE CASES

9.2.2.1 Vessel Connectivity

9.2.2.2 Port Operations Optimization

9.3 AEROSPACE & DEFENSE

9.3.1 INCREASING ADOPTION OF INNOVATIVE TECHNOLOGY AND DIGITALIZED SOLUTIONS TO DRIVE MARKET

9.3.2 USE CASES

9.3.2.1 Military Tactical Communication

9.3.2.2 Airborne Command and Control

9.3.2.3 Defense Surveillance and Reconnaissance

9.4 GOVERNMENT

9.4.1 RISING NEED FOR IMPROVED SAFETY AND SECURITY OF GOVERNMENT NETWORKS TO BOOST MARKET

9.4.2 USE CASES

9.4.2.1 Disaster Response Coordination

9.4.2.2 Remote Governance and Public Services

9.5 MINING

9.5.1 ADOPTION OF 5G CONNECTIVITY IN MINING SECTOR TO FACILITATE WORKER SAFETY

9.5.2 USE CASES

9.5.2.1 Remote Equipment Monitoring

9.5.2.2 Environmental Monitoring

9.6 OTHER END-USE INDUSTRIES

9.6.1 USE CASES

9.6.1.1 Smart Warehousing

9.6.1.2 Wildfire Detection and Prevention

9.6.1.3 Autonomous Driving

9.6.1.4 Real-Time Patient Monitoring

10 5G NTN MARKET, BY LOCATION

10.1 INTRODUCTION

10.1.1 LOCATIONS: 5G NTN MARKET DRIVERS

10.2 URBAN

10.2.1 HIGH-SPEED INTERNET CONNECTIVITY TO STRENGTHEN SMART INFRASTRUCTURE IN URBAN AREAS

10.3 RURAL

10.3.1 FOCUS ON ELIMINATING DIGITAL DIVIDE IN RURAL AREAS TO ENCOURAGE ADOPTION OF 5G NTN SYSTEMS

10.4 REMOTE

10.4.1 5G NTN SYSTEMS SUPPORT MOVEMENT OF WORKERS FROM URBAN TO REMOTE AREAS

10.5 ISOLATED

10.5.1 5G NTN SERVICES PROVIDE 5G COVERAGE IN ISOLATED AREAS

11 5G NTN MARKET, BY REGION

11.1 INTRODUCTION

11.2 NORTH AMERICA

11.2.1 NORTH AMERICA: 5G NTN MARKET DRIVERS

11.2.2 NORTH AMERICA: RECESSION IMPACT

11.2.3 US

11.2.3.1 Remarkable growth of smart connected devices to boost market growth

11.2.4 CANADA

11.2.4.1 Improvement in network connectivity in rural areas to drive market

11.3 EUROPE

11.3.1 EUROPE: 5G NTN MARKET DRIVERS

11.3.2 EUROPE: RECESSION IMPACT

11.3.3 UK

- 11.3.3.1 Deployment of 5G services to help reduce carbon emission
- 11.3.4 GERMANY
 - 11.3.4.1 Initiatives by government to expand 5G coverage to spur growth
- 11.3.5 FRANCE
 - 11.3.5.1 Advanced economy and flourishing IT market to drive use of 5G NTN systems
- 11.3.6 ITALY
 - 11.3.6.1 Government initiatives and funding to drive use of 5G NTN systems
- 11.3.7 REST OF EUROPE
- 11.4 ASIA PACIFIC
 - 11.4.1 ASIA PACIFIC: 5G NTN MARKET DRIVERS
 - 11.4.2 ASIA PACIFIC: RECESSION IMPACT
 - 11.4.3 CHINA
 - 11.4.3.1 Successful field trial of 5G NTN to demonstrate communication services
 - 11.4.4 INDIA
 - 11.4.4.1 Increasing focus on smart infrastructure development to lead to adoption of 5G NTN services
 - 11.4.5 SOUTH KOREA
 - 11.4.5.1 Demand for 5G and 6G wireless technology to drive market
 - 11.4.6 JAPAN
 - 11.4.6.1 Strategic collaborations and 5G NTN advancements to drive market
 - 11.4.7 REST OF ASIA PACIFIC
- 11.5 MIDDLE EAST & AFRICA
 - 11.5.1 MIDDLE EAST & AFRICA: 5G NTN MARKET DRIVERS
 - 11.5.2 MIDDLE EAST & AFRICA: RECESSION IMPACT
 - 11.5.3 GCC COUNTRIES
 - 11.5.3.1 UAE
 - 11.5.3.1.1 Government initiatives and major companies to drive growth
 - 11.5.3.2 Saudi Arabia
 - 11.5.3.2.1 Initiatives by major players to drive growth
 - 11.5.3.3 Rest of GCC Countries
 - 11.5.4 SOUTH AFRICA
 - 11.5.4.1 Focus of rural connectivity to drive growth of market
 - 11.5.5 REST OF MIDDLE EAST & AFRICA
- 11.6 LATIN AMERICA
 - 11.6.1 LATIN AMERICA: 5G NTN MARKET DRIVERS
 - 11.6.2 LATIN AMERICA: RECESSION IMPACT
 - 11.6.3 BRAZIL
 - 11.6.3.1 Increased investment in digital infrastructure to drive demand for 5G NTN

solutions

11.6.4 MEXICO

11.6.4.1 Focus of select companies on enhancing network connectivity to propel market

11.6.5 REST OF LATIN AMERICA

12 COMPETITIVE LANDSCAPE

12.1 INTRODUCTION

12.2 KEY PLAYER STRATEGIES/RIGHT TO WIN

12.2.1 OVERVIEW OF STRATEGIES DEPLOYED BY KEY 5G NTN PLAYERS

12.3 REVENUE ANALYSIS

12.4 MARKET SHARE ANALYSIS

12.4.1 MARKET RANKING ANALYSIS

12.5 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023

12.5.1 STARS

12.5.2 EMERGING LEADERS

12.5.3 PERVASIVE PLAYERS

12.5.4 PARTICIPANTS

12.5.5 COMPANY FOOTPRINT: KEY PLAYERS, 2023

12.5.5.1 Company Footprint

12.5.5.2 Offering Footprint

12.5.5.3 Location Footprint

12.5.5.4 Regional Footprint

12.6 STARTUP/SME EVALUATION MATRIX, 2023

12.6.1 PROGRESSIVE COMPANIES

12.6.2 RESPONSIVE COMPANIES

12.6.3 DYNAMIC COMPANIES

12.6.4 STARTING BLOCKS

12.6.5 COMPETITIVE BENCHMARKING

12.7 COMPETITIVE SCENARIO

12.7.1 PRODUCT LAUNCHES

12.7.2 DEALS

12.8 BRAND/PRODUCT COMPARISON

12.9 COMPANY VALUATION AND FINANCIAL METRICS

13 COMPANY PROFILES

13.1 KEY PLAYERS

13.1.1 THALES

- 13.1.1.1 Business overview
- 13.1.1.2 Products/Solutions/Services offered
- 13.1.1.3 Recent developments
 - 13.1.1.3.1 Deals
- 13.1.1.4 MnM view
 - 13.1.1.4.1 Right to win
 - 13.1.1.4.2 Strategic choices made
 - 13.1.1.4.3 Weaknesses and competitive threats

13.1.2 ECHOSTAR CORPORATION

- 13.1.2.1 Business overview
- 13.1.2.2 Products/Solutions/Services offered
- 13.1.2.3 Recent developments
 - 13.1.2.3.1 Product launches
 - 13.1.2.3.2 Deals
 - 13.1.2.3.3 Others
- 13.1.2.4 MnM view
 - 13.1.2.4.1 Right to win
 - 13.1.2.4.2 Strategic choices made
 - 13.1.2.4.3 Weaknesses and competitive threats

13.1.3 QUALCOMM TECHNOLOGIES

- 13.1.3.1 Business overview
- 13.1.3.2 Products/Solutions/Services offered
- 13.1.3.3 Recent developments
 - 13.1.3.3.1 Product launches
 - 13.1.3.3.2 Deals
- 13.1.3.4 MnM view
 - 13.1.3.4.1 Right to win
 - 13.1.3.4.2 Strategic choices made
 - 13.1.3.4.3 Weaknesses and competitive threats

13.1.4 MEDIATEK

- 13.1.4.1 Business overview
- 13.1.4.2 Products/Solutions/Services offered
- 13.1.4.3 Recent developments
 - 13.1.4.3.1 Product launches
 - 13.1.4.3.2 Deals
- 13.1.4.4 MnM view
 - 13.1.4.4.1 Right to win
 - 13.1.4.4.2 Strategic choices made

- 13.1.4.4.3 Weaknesses and competitive threats
- 13.1.5 SPACEX
 - 13.1.5.1 Business overview
 - 13.1.5.2 Products/Solutions/Services offered
 - 13.1.5.3 Recent developments
 - 13.1.5.3.1 Product launches
 - 13.1.5.3.2 Deals
 - 13.1.5.4 MnM view
 - 13.1.5.4.1 Right to win
 - 13.1.5.4.2 Strategic choices made
 - 13.1.5.4.3 Weaknesses and competitive threats
- 13.1.6 KEYSIGHT TECHNOLOGIES
 - 13.1.6.1 Business overview
 - 13.1.6.2 Products/Solutions/Services offered
 - 13.1.6.3 Recent developments
 - 13.1.6.3.1 Product launches
 - 13.1.6.3.2 Deals
- 13.1.7 GATEHOUSE
 - 13.1.7.1 Business overview
 - 13.1.7.2 Products/Solutions/Services offered
 - 13.1.7.3 Recent developments
 - 13.1.7.3.1 Deals
- 13.1.8 SOFTBANK GROUP
 - 13.1.8.1 Business overview
 - 13.1.8.2 Products/Solutions/Services offered
 - 13.1.8.3 Recent developments
 - 13.1.8.3.1 Product launches
 - 13.1.8.3.2 Deals
- 13.1.9 ROHDE & SCHWARZ
 - 13.1.9.1 Business overview
 - 13.1.9.2 Products/Solutions/Services offered
 - 13.1.9.3 Recent developments
 - 13.1.9.3.1 Deals
- 13.1.10 SES
 - 13.1.10.1 Business overview
 - 13.1.10.2 Products/Solutions/Services offered
 - 13.1.10.3 Recent developments
 - 13.1.10.3.1 Deals
- 13.1.11 ZTE

- 13.1.11.1 Business overview
- 13.1.11.2 Products/Solutions/Services offered
- 13.1.11.3 Recent developments
 - 13.1.11.3.1 Product launches
 - 13.1.11.3.2 Deals
- 13.1.12 VIAVI SOLUTIONS INC.
- 13.1.13 TELEFONICA
- 13.1.14 VIASAT
- 13.1.15 GLOBALSTAR
- 13.1.16 SPIRENT COMMUNICATIONS
- 13.1.17 ERICSSON
- 13.1.18 NOKIA
- 13.1.19 RADISYS
- 13.1.20 TELESAT
- 13.2 STARTUPS/SMES
 - 13.2.1 AST SPACEMOBILE
 - 13.2.2 ONEWEB
 - 13.2.3 OMNISPACE
 - 13.2.4 SKYLO
 - 13.2.5 SPACEIOT
 - 13.2.6 SATELIOT
 - 13.2.7 NELCO
 - 13.2.8 KUIPER SYSTEMS

14 ADJACENT/RELATED MARKETS

- 14.1 MARITIME SATELLITE COMMUNICATION
 - 14.1.1 MARKET OVERVIEW
 - 14.1.2 MARITIME SATELLITE COMMUNICATION MARKET, BY COMPONENT
 - 14.1.3 MARITIME SATELLITE COMMUNICATION MARKET, BY SOLUTION
 - 14.1.4 MARITIME SATELLITE COMMUNICATION MARKET, BY SERVICE
 - 14.1.5 MARITIME SATELLITE COMMUNICATION MARKET, BY END USER
- 14.2 NANOSATELLITE AND MICROSATELLITE MARKET
 - 14.2.1 MARKET DEFINITION
 - 14.2.2 NANOSATELLITE AND MICROSATELLITE MARKET, BY COMPONENT
 - 14.2.3 NANOSATELLITE AND MICROSATELLITE MARKET, BY TYPE
 - 14.2.4 NANOSATELLITE AND MICROSATELLITE MARKET, BY ORGANIZATION SIZE
 - 14.2.5 NANOSATELLITE AND MICROSATELLITE MARKET, BY APPLICATION

- 14.2.6 NANOSATELLITE AND MICROSATELLITE MARKET, BY VERTICAL
- 14.2.7 NANOSATELLITE AND MICROSATELLITE MARKET, BY FREQUENCY

15 APPENDIX

- 15.1 DISCUSSION GUIDE
- 15.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL
- 15.3 CUSTOMIZATION OPTIONS
- 15.4 RELATED REPORTS
- 15.5 AUTHOR DETAILS

I would like to order

Product name: 5G NTN Market by Offering (Hardware, Software, and Services), End-Use Industry (Maritime, Aerospace & Defense, Government, Mining), Application (EMBB, URLLC, MMTC), Location (Urban, Rural, Remote, Isolated), Platform and Region - Global Forecast to 2029

Product link: <https://marketpublishers.com/r/581118FC802EEN.html>

Price: US\$ 3,217.50 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/581118FC802EEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970