5G Technology Market - Global Industry Analysis, Size, Share, Growth, Trends and Forecast 2015 - 2023
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More Figures will come in original report...
Introduction

1.1 Key Take-Aways

- To define and segment the 5G Technology Market
- To analyze and forecast the global revenue and area under 5G Technology Market.
- To identify driving and restraining factors for the 5G Technology Market
- To analyze trends, opportunities, and challenges in the 5G Technology Market
- To strategically analyze each sub-market with respect to individual growth trends and contribution to the overall market
- Market segmentation and revenue forecast on the basis of major geographies such as North America, Europe, Asia-Pacific, and Rest of the World (ROW)
- Market segmentation and revenue forecast on the basis of equipment’s, consumables and services

1.2 Report Description

5G technology is the most modern next generation mobile telecommunication standards. 5G technology can offer speed more than 4G i.e. 5G is expected to be faster than ever before and low power consuming than the predecessors. 5G networks might meet new use cases, such as the Internet of Things as well as broadcast-like services and lifeline communication in times of natural disaster and emergencies.
1.3 Research Methodology

Market Research Engine has collected key data related to the 5G Technology Market and analyzed these data using a variety of methods. The market dynamics have been ascertained following a detailed study of the micro, meso, and macroeconomic indicators of the market.

1.3.1 Market Research Process

This report is based on in-depth qualitative and quantitative analyses of the 5G Technology Market. The quantitative analysis involved the application of various projection and sampling techniques. The qualitative analysis involved primary interviews, surveys, and vendor briefings. The data gathered as a result of these processes were validated through expert’s opinions.
1.3.2 Market Research Methodology

To calculate the market size, the report considers the revenue generated from the sales of 5G Technology System Manufacturers. The revenue generated from the sales of 5G Technology Market has been calculated through primary and secondary research. The report also presents the key players operating in the 5G Technology Market across the globe identified through secondary research and a corresponding detailed analysis of the top vendors in the market. The market size calculation also includes types segmentation determined using secondary sources and verified through primary sources.

**Secondary Research**

The secondary research sources that are typically referred to include, but are not limited to:
- Company websites, annual reports, financial reports, broker reports, investor presentations and SEC filings
- Internal and external proprietary databases, relevant patent and regulatory databases
- National government documents, statistical databases and market reports
- News articles, press releases and web-casts specific to the companies operating in the market

The sources for secondary research include but are not limited to:

- Factiva
- OneSource
- Hoovers
- Statista

**FIGURE 3**  
**KEY DATA FROM SECONDARY SOURCES**

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>SOURCE</th>
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<td><strong>MARKET SIZE</strong></td>
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<td>• Magazines</td>
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<td>• Journals</td>
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<td>• Press Releases</td>
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<td></td>
<td>• Paid Databases</td>
</tr>
<tr>
<td><strong>COMPANY REVENUES</strong></td>
<td>• Annual Reports</td>
</tr>
<tr>
<td></td>
<td>• SEC Filings</td>
</tr>
<tr>
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<td>• Company Websites and Presentations</td>
</tr>
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<td></td>
<td>• Public Databases</td>
</tr>
<tr>
<td><strong>QUALITATIVE INFORMATION</strong></td>
<td>• Company Websites</td>
</tr>
<tr>
<td></td>
<td>• Annual Reports</td>
</tr>
<tr>
<td></td>
<td>• Press Releases</td>
</tr>
<tr>
<td></td>
<td>• Webinars</td>
</tr>
</tbody>
</table>
Primary Research

We conduct primary interviews on an ongoing basis with industry participants and commentators in order to validate data and analysis. A typical research interview fulfils the following functions:

- It provides first-hand information on the market size, market trends, growth trends, competitive landscape, future outlook etc.
- Helps in validating and strengthening the secondary research findings
- Further develops the analysis team’s expertise and market understanding
- Primary research involves E-mail interactions, telephonic interviews as well as face-to-face interviews for each market, category, segment and sub-segment across geographies

The participants who typically take part in such a process include, but are not limited to:

- Industry participants: CEOs, VPs, marketing/ type managers, market intelligence managers and national sales managers
- Purchasing managers, technical personnel, distributors and resellers
- Outside experts: Investment bankers, valuation experts, research analysts specializing in specific markets
- Key opinion leaders specializing in different areas corresponding to different industry verticals
## 5G Technology Market - Forecast to 2023

### FIGURE 4  
KEY DATA FROM PRIMARY SOURCES

<table>
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<th>TYPE</th>
<th>PARAMETER</th>
<th>DATA</th>
</tr>
</thead>
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<td><strong>GLOBAL MARKET SIZE</strong></td>
<td>• Global market size for 2016</td>
<td>• 5G Technology Market estimates</td>
</tr>
<tr>
<td></td>
<td>• CAGR for the forecast period (2016–2023)</td>
<td>• Historical growthrate</td>
</tr>
<tr>
<td><strong>REGIONAL SPLIT</strong></td>
<td>• Overall market and subsegments in 2016</td>
<td>• SampleText</td>
</tr>
<tr>
<td></td>
<td>• CAGR of each region in the forecast period (2015–2023)</td>
<td>• SampleText</td>
</tr>
<tr>
<td><strong>MARKET SPLIT</strong></td>
<td>• Wi-Fi, RAT (Radio Access Technologies), WiMAX (Worldwide Interoperability for Microwave Access), HSPA (High Speed Package Access) and GSM (Global System for Mobile)</td>
<td>• 5G Technology Market, By Technology</td>
</tr>
<tr>
<td></td>
<td>• Healthcare, Consumer Electronics, Retail, Home Automation, Energy &amp; Utility, Automotive, Industrial Automation, Intelligent Buildings and Infrastructure and Public Safety &amp; Surveillance</td>
<td>• 5G Technology Market, By Application</td>
</tr>
<tr>
<td></td>
<td>• North America, Europe, Asia, and RoW</td>
<td>• 5G Technology Market, By Region</td>
</tr>
</tbody>
</table>
Models
Where no hard data is available, we use modelling and estimates in order to produce comprehensive data sets. A rigorous methodology is adopted in which the available hard data is cross referenced with the following data types to produce estimates:

- Demographic data: Population split by segment
- Macro-economic indicators: GDP, etc.
- Industry indicators: Expenditure, product stage & infrastructure, sector growth and facilities.

Data is then cross checked by the expert panel

1.4 Market Size Estimation

Top-down and bottom-up approaches were used to estimate and validate the size of the 5G Technology Market and to estimate the size of various other dependent submarkets. The research methodology used to estimate the market size includes the following details:

The key players in the market were identified through secondary research and their market shares in the respective regions were determined through primary and secondary research. This entire procedure included the study of the annual and financial reports of the top market players and extensive interviews for key insights from industry leaders such as CEOs, VPs, directors, and marketing executives. All percentage shares, splits, and breakdowns were determined by using secondary sources and verified through primary sources. All possible parameters that affect the markets covered in this research study have been accounted for, viewed in extensive detail, verified through primary research, and analyzed to get the final quantitative and qualitative data. This data is consolidated and added with detailed inputs and analysis from Market research engine and presented in this report.

The following figures show an illustrative representation of the overall market size estimation process employed for the purpose of this study.

1.4.1 BOTTOM-UP APPROACH

The bottom-up approach was employed to arrive at the overall size of the 5G technology Product market from the sales of 5G Technology Market revenue from the respective four regions.
5G Technology Market - Forecast to 2023

FIGURE 5
5G TECHNOLOGY PRODUCT MARKET: BOTTOM-UP APPROACH

SECONDARY SOURCES:
- Annual Reports, Presentations,
- Press Releases, Journals, Paid Databases, and Market research engine Repository

PRIMARY SOURCES:
- Demand- and Supply-side Experts
1.4.2 TOP-DOWN APPROACH

The overall 5G Technology Market size was used in the top-down approach to estimate the sizes of other individual markets (mentioned in the market segmentation—By Technology, By Application and By Region) through percentage splits from secondary and primary research.

For the calculation of each type of specific market segment, the most appropriate immediate parent market size was used for implementing the top-down approach. The bottom-up approach was also implemented (wherever applicable) for data extracted from secondary research to validate the market segment revenues obtained.

Market shares were then estimated for top companies to verify the total market revenue arrived earlier in the bottom-up approach. With the data triangulation procedure and validation of data through primaries, the exact values of the overall parent market size and each individual market size were determined and confirmed in this study. The data triangulation procedure implemented for this study is explained in the next section.
1.5 Markets Covered

By Type

- Wi-Fi
- RAT (Radio Access Technologies)
- WiMAX (Worldwide Interoperability for Microwave Access)
- HSPA (High Speed Package Access)
- GSM (Global System for Mobile)

By Application

- Healthcare
- Consumer Electronics
- Retail
- Home Automation
- Energy & Utility
- Automotive
- Industrial Automation
- Intelligent Buildings and Infrastructure
- Public Safety & Surveillance

By Regional Analysis:

- North America
- Europe
- Asia-Pacific
- Rest of World
1.6 Research Methodology

Market Research Engine has collected key data related to the 5G Technology Market and analyzed these data using a variety of methods. The market dynamics have been ascertained following a detailed study of the micro, meso, and macroeconomic indicators of the market.

1.7 Research Scope

The scope of the report includes a detailed study of global and regional markets on 5G Technology Market with the reasons given for variations in the growth of the industry in certain regions.

The report covers detailed competitive outlook including the market share and company profiles of the key participants operating in the global market.
2 Executive Summary

The 5G Technology Market was valued at USD xx Billion by 2023, at a CAGR of xx% between 2015 and 2023. 5G technology is efficient and low investment network compared to other technologies. The rising demand of higher speed rates of internet all over the globe is driving the 5G technology market, 5G networks can deliver data-access speeds up to 10 Gbit/s. 5G technology will be comprised of lowest possible latency i.e. 1-5 milliseconds which is an indulging factor for consumers. Distant learning, video conferencing, multi-user gaming and others applications will drive the need for higher performance from the network thus stimulate the 5G technology market.
FIGURE 7  GLOBAL SNAPSHOT OF 5G TECHNOLOGY MARKET BY REVENUE

North America  Europe  Asia Pacific  Rest of World

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3 Market Overview

3.1 Introduction

3.2 Market Dynamics

3.2.1 Drivers

3.2.1.1 Significant Growth in the Mobile Data Traffic Volume
3.2.1.2 Growth of Machine to Machine Communication in Organizations
3.2.1.3 Rising Demand for High-Speed and Large Network Coverage
3.2.1.4 Increasing Demand for Broadband Services Over Mobile Networks

3.2.2 Opportunities

3.2.2.1 Continuous Increase in the Number of IoT Connected Devices
4 5G TECHNOLOGY MARKET, BY TECHNOLOGY

4.1 Introduction

Based on technology Wi-Fi, RAT (Radio Access Technologies), WiMAX (Worldwide Interoperability for Microwave Access), HSPA (High Speed Package Access) and GSM (Global System for Mobile).

<table>
<thead>
<tr>
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<th>2018</th>
<th>2019</th>
<th>2020</th>
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<td>WiMAX (Worldwide Interoperability for Microwave Access)</td>
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FIGURE 8 5G TECHNOLOGY MARKET, BY TECHNOLOGY 2016 – 2023 (USD BILLION)

Market Research Engine
5G TECHNOLOGY MARKET, BY APPLICATION

5.1 Introduction


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</table>

FIGURE 9

5G TECHNOLOGY MARKET, BY APPLICATION 2016 – 2023 (USD BILLION)
6  5G TECHNOLOGY MARKET, BY REGION

6.1  Introduction

Sample text...

TABLE 3  5G TECHNOLOGY MARKET, BY REGION 2016 – 2023 (USD BILLION)

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</table>

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FIGURE 10  5G TECHNOLOGY MARKET, BY REGION 2016 – 2023 (USD BILLION)

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7 Competitive Landscape

7.1 Company Market Share Analysis

Sample text...

7.1.1 5G TECHNOLOGY MARKET: Company Market Share, 2016

FIGURE 11 5G TECHNOLOGY MARKET: COMPANY MARKET SHARE, 2016

Source: Company Annual Reports, Primary
8 Company Profile

8.1 Verizon Communications Inc.

1095 Avenue of the Americas
8th Floor
New York, NY 10036
United States
www.verizon.com

8.1.1 Company overview

Verizon Communications Inc. is an integrated telecommunications company that provides wire line voice and data services, wireless services, Internet services, and published directory information. The Company also provides network services for the federal government including business phone lines, data services, telecommunications equipment, and payphones.

8.1.2 Products and Service

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology</td>
<td>• Wireless</td>
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