

# Massive MIMO Market By Technology (LTE Advance, LTE Advance Pro, and 5G), Array Type (16T16R, 32T32R, 64T64R, and Others), and Spectrum (TDD and FDD): Global Opportunity Analysis and Industry Forecast, 2020–2027

<https://marketpublishers.com/r/MFCD29241755EN.html>

Date: September 2020

Pages: 272

Price: US\$ 5,769.00 (Single User License)

ID: MFCD29241755EN

## Abstracts

A massive MIMO network is more responsive to devices which operate in higher frequency bands due to improved coverage. In particular, this has considerable benefits for obtaining a strong signal indoors. The greater number of antennas in a massive MIMO network also make it far more resistant to interference and intentional jamming than current systems that only utilize a handful of antennas. Therefore, the beam formation technology by massive MIMOs enable targeted use of spectrum.

The global massive MIMO market growth is expected to register a significant growth rate during the forecast period, owing to rise in adoption of 5G technology in developed and developing regions across the world, massive MIMO offers technical superiority of with higher number of antenna array type, and ease in deployment of massive MIMOs with reduced usage of energy. Furthermore, numerous advantages of massive MIMO such as higher capacity, minimized manpower, low network congestions, and beam-formation technology fuel the growth of the massive MIMO market.

However, dominance of usage for FDD spectrum across the world in comparison to TDD spectrum is expected to restrain the market growth. Moreover, potential of the emerging markets such as Asia-Pacific and Southeast Asia and development of indoor massive MIMOs for increasing the network capacity is anticipated to provide lucrative global massive MIMO market growth opportunity for the market in the coming years.

The global massive MIMO market is segmented on the basis of technology, array type,

spectrum, and region. Based on the technology, the market is divided into LTE Advance, LTE Advance Pro, and 5G. By array type, the market is classified into 16T16R, 32T32R, 64T64R, and others. Based on spectrum, the market is bifurcated into TDD and FDD. Based on region, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The key players that have major global massive MIMO market share include Ericsson, Huawei, NOKIA, SAMSUNG, ZTE, Verizon, Sprint, China Mobile, Airtel, and Deutsche Telekom, which are profiled in this report. The global massive MIMO industry key market players have adopted various strategies such as product launch, product development, collaboration, partnership, agreements, among others to influence the market growth.

### Key Benefits For Stakeholders

This study comprises analytical depiction of the global massive MIMO market size along with the current global massive MIMO market trends and future estimations to depict the imminent investment pockets.

The overall massive MIMO market analysis is determined to understand the profitable trends to gain a stronger foothold.

The report presents information related to key drivers, restraints, and opportunities with a detailed impact analysis.

The current massive MIMO market forecast is quantitatively analyzed from 2019 to 2027 to benchmark the financial competency.

Porter's five forces analysis illustrates the potency of the buyers and suppliers in the market.

### Massive MIMO Market Key Segments

#### By Technology

LTE Advance

LTE Advance Pro

5G

#### By Array Type

16T16R

32T32R

64T64R

Others

#### By Spectrum

TDD

FDD

#### By Region

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

Key Market Players

Ericsson

Huawei

NOKIA

SAMSUNG

ZTE

Verizon

Sprint

China Mobile

Airtel

Deutsche Telekom

## Contents

### **CHAPTER 1: INTRODUCTION**

- 1.1. Report description
- 1.2. Key benefits for stakeholders
- 1.3. Key market segments
- 1.4. Research methodology
  - 1.4.1. Primary research
  - 1.4.2. Secondary research
  - 1.4.3. Analyst tools and models

### **CHAPTER 2: EXECUTIVE SUMMARY**

- 2.2. CXO perspective

### **CHAPTER 3: MARKET OVERVIEW**

- 3.1. Market definition and scope
- 3.2. Key findings
  - 3.2.1. Top impacting factors
  - 3.2.2. Top investment pockets
- 3.3. Key forces shaping the Massive MIMO market
  - 3.3.1. Top winning strategies
- 3.4. Market dynamics
  - 3.4.1. Drivers
    - 3.4.1.1. Adoption of 5G network technology
    - 3.4.1.2. Technical advantages of Massive MIMO
    - 3.4.1.3. Ease in Deployment of Massive MIMOs
  - 3.4.2. Restraint
    - 3.4.2.1. Lack of TDD spectrums around the world
  - 3.4.3. Opportunity
    - 3.4.3.1. The development of indoor Massive MIMO

### **CHAPTER 4: MASSIVE MIMO MARKET, BY TECHNOLOGY**

- 4.1. Overview
- 4.2. LTE Advance
  - 4.2.1. Key market trends, growth factors and opportunities

- 4.2.2. Market size and forecast, by region
- 4.2.3. Market analysis by country
- 4.3. LTE Advance pro
  - 4.3.1. Key market trends, growth factors, and opportunities
  - 4.3.2. Market size and forecast, by region
  - 4.3.3. Market analysis by country
- 4.4. 5G
  - 4.4.1. Key market trends, growth factors, and opportunities
  - 4.4.2. Market size and forecast, by region
  - 4.4.3. Market analysis by country

## **CHAPTER 5: MASSIVE MIMO MARKET, BY SPECTRUM**

- 5.1. Overview
- 5.2. TDD
  - 5.2.1. Key market trends, growth factors and opportunities
  - 5.2.2. Market size and forecast, by region
  - 5.2.3. Market analysis by country
- 5.3. FDD
  - 5.3.1. Key market trends, growth factors, and opportunities
  - 5.3.2. Market size and forecast, by region
  - 5.3.3. Market analysis by country

## **CHAPTER 6: MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE**

- 6.1. Overview
- 6.2. 16T16R
  - 6.2.1. Key market trends, growth factors and opportunities
  - 6.2.2. Market size and forecast, by region
  - 6.2.3. Market analysis by country
- 6.3. 32T32R
  - 6.3.1. Key market trends, growth factors, and opportunities
  - 6.3.2. Market size and forecast, by region
  - 6.3.3. Market analysis by country
- 6.4. 64T64R
  - 6.4.1. Key market trends, growth factors and opportunities
  - 6.4.2. Market size and forecast, by region
  - 6.4.3. Market analysis by country
- 6.5. Others

- 6.5.1.Key market trends, growth factors, and opportunities
- 6.5.2.Market size and forecast, by region
- 6.5.3.Market analysis by country

## **CHAPTER 7: MASSIVE MIMO MARKET, BY REGION**

### 7.1.Overview

### 7.2.North America

- 7.2.1.Key market trends, growth factors, and opportunities
- 7.2.2.Market size and forecast, by Technology
- 7.2.3.Market size and forecast, by Spectrum
- 7.2.4.Market size and forecast, by Antenna Array Type
- 7.2.5.Market analysis, by country
  - 7.2.5.1.U.S.
    - 7.2.5.1.1.Market size and forecast, by technology
    - 7.2.5.1.2.Market size and forecast, by Spectrum
    - 7.2.5.1.3.Market size and forecast, by antenna array type
  - 7.2.5.2.CANADA
    - 7.2.5.2.1.Market size and forecast, by technology
    - 7.2.5.2.2.Market size and forecast, by Spectrum
    - 7.2.5.2.3.Market size and forecast, by antenna array type
  - 7.2.5.3.MEXICO
    - 7.2.5.3.1.Market size and forecast, by technology
    - 7.2.5.3.2.Market size and forecast, by Spectrum
    - 7.2.5.3.3.Market size and forecast, by antenna array type

### 7.3.Europe

- 7.3.1.Key market trends, growth factors, and opportunities
- 7.3.2.Market size and forecast, by Technology
- 7.3.3.Market size and forecast, by Spectrum
- 7.3.4.Market size and forecast, by Antenna Array Type
- 7.3.5.Market analysis, by country
  - 7.3.5.1.UK
    - 7.3.5.1.1.Market size and forecast, by technology
    - 7.3.5.1.2.Market size and forecast, by Spectrum
    - 7.3.5.1.3.Market size and forecast, by antenna array type
  - 7.3.5.2.GERMANY
    - 7.3.5.2.1.Market size and forecast, by technology
    - 7.3.5.2.2.Market size and forecast, by Spectrum
    - 7.3.5.2.3.Market size and forecast, by antenna array type



### 7.3.5.3.FRANCE

7.3.5.3.1.Market size and forecast, by technology

7.3.5.3.2.Market size and forecast, by Spectrum

7.3.5.3.3.Market size and forecast, by antenna array type

### 7.3.5.4.ITALY

7.3.5.4.1.Market size and forecast, by technology

7.3.5.4.2.Market size and forecast, by Spectrum

7.3.5.4.3.Market size and forecast, by antenna array type

### 7.3.5.5.REST OF EUROPE

7.3.5.5.1.Market size and forecast, by technology

7.3.5.5.2.Market size and forecast, by Spectrum

7.3.5.5.3.Market size and forecast, by antenna array type

## 7.4.Asia-Pacific

7.4.1.Key market trends, growth factors, and opportunities

7.4.2.Market size and forecast, by Technology

7.4.3.Market size and forecast, by Spectrum

7.4.4.Market size and forecast, by Antenna Array Type

7.4.5.Market analysis, by country

### 7.4.5.1.CHINA

7.4.5.1.1.Market size and forecast, by technology

7.4.5.1.2.Market size and forecast, by Spectrum

7.4.5.1.3.Market size and forecast, by antenna array type

### 7.4.5.2.JAPAN

7.4.5.2.1.Market size and forecast, by technology

7.4.5.2.2.Market size and forecast, by Spectrum

7.4.5.2.3.Market size and forecast, by antenna array type

### 7.4.5.3.INDIA

7.4.5.3.1.Market size and forecast, by technology

7.4.5.3.2.Market size and forecast, by Spectrum

7.4.5.3.3.Market size and forecast, by antenna array type

### 7.4.5.4.SOUTH KOREA

7.4.5.4.1.Market size and forecast, by technology

7.4.5.4.2.Market size and forecast, by Spectrum

7.4.5.4.3.Market size and forecast, by antenna array type

### 7.4.5.5.REST OF ASIA-PACIFIC

7.4.5.5.1.Market size and forecast, by technology

7.4.5.5.2.Market size and forecast, by Spectrum

7.4.5.5.3.Market size and forecast, by antenna array type

## 7.5.LAMEA

- 7.5.1.Key market trends, growth factors, and opportunities
- 7.5.2.Market size and forecast, by Technology
- 7.5.3.Market size and forecast, by Spectrum
- 7.5.4.Market size and forecast, by Antenna Array Type
- 7.5.5.Market analysis, by country
  - 7.5.5.1.LATIN AMERICA
    - 7.5.5.1.1.Market size and forecast, by technology
    - 7.5.5.1.2.Market size and forecast, by Spectrum
    - 7.5.5.1.3.Market size and forecast, by antenna array type
  - 7.5.5.2.MIDDLE EAST
    - 7.5.5.2.1.Market size and forecast, by technology
    - 7.5.5.2.2.Market size and forecast, by Spectrum
    - 7.5.5.2.3.Market size and forecast, by antenna array type
  - 7.5.5.3.AFRICA
    - 7.5.5.3.1.Market size and forecast, by technology
    - 7.5.5.3.2.Market size and forecast, by Spectrum
    - 7.5.5.3.3.Market size and forecast, by antenna array type

## **CHAPTER 8: COMPANY PROFILE**

- 8.1.Telefonaktiebolaget L M Ericsson
  - 8.1.1.Company overview
  - 8.1.2.Key Executives
  - 8.1.3.Company snapshot
  - 8.1.4.Operating business segments
  - 8.1.5.Product portfolio
  - 8.1.6.Business performance
- 8.2.HUAWEI TECHNOLOGIES CO., LTD.
  - 8.2.1.Company overview
  - 8.2.2.Company snapshot
  - 8.2.3.Operating business segments
  - 8.2.4.Product portfolio
  - 8.2.5.Business performance
- 8.3.Nokia Corporation
  - 8.3.1.Company overview
  - 8.3.2.Company snapshot
  - 8.3.3.Product portfolio
- 8.4.Samsung Corporation
  - 8.4.1.Company overview

- 8.4.2. Company snapshot
- 8.4.3. Operating business segments
- 8.4.4. Product portfolio
- 8.4.5. Business performance
- 8.5. ZTE CORPORATION
  - 8.5.1. Company overview
  - 8.5.2. Company snapshot
  - 8.5.3. Product portfolio
  - 8.5.4. Business performance
- 8.6. Verizon Communications Inc.
  - 8.6.1. Company overview
  - 8.6.2. Company snapshot
  - 8.6.3. Product portfolio
- 8.7. CHINA UNICOM (HONG KONG) LTD.
  - 8.7.1. Company overview
  - 8.7.2. Company snapshot
  - 8.7.3. Product portfolio
- 8.8. China Mobile Ltd.
  - 8.8.1. Company overview
  - 8.8.2. Company snapshot
  - 8.8.3. Operating business segments
  - 8.8.4. Product portfolio
  - 8.8.5. Business performance
- 8.9. COMMSCOPE, INC.
  - 8.9.1. Company overview
  - 8.9.2. Company snapshot
  - 8.9.3. Operating business segments
  - 8.9.4. Product portfolio
  - 8.9.5. Business performance
- 8.10. DEUTSCHE TELEKOM
  - 8.10.1. Company overview
  - 8.10.2. Company snapshot
  - 8.10.3. Operating business segments
  - 8.10.4. Product portfolio
  - 8.10.5. Business performance

## List Of Tables

### LIST OF TABLES

TABLE 01.GLOBAL MASSIVE MIMO MARKET, BY TECHNOLOGY, 2019-2027 (\$MILLION)

TABLE 02.MASSIVE MIMO MARKET REVENUE BY LTE ADVANCE, BY REGION 2019-2027 (\$MILLION)

TABLE 03.MASSIVE MIMO MARKET BY LTE ADVANCE PRO, BY REGION 2019-2027(\$MILLION)

TABLE 04.MASSIVE MIMO MARKET BY 5G, BY REGION 2019-2027(\$MILLION)

TABLE 05.GLOBAL MASSIVE MIMO MARKET, BY SPECTRUM, 2019-2027 (\$MILLION)

TABLE 06.MASSIVE MIMO MARKET REVENUE BY TDD, BY REGION 2019-2027 (\$MILLION)

TABLE 07.MASSIVE MIMO MARKET BY FDD, BY REGION 2019-2027(\$MILLION)

TABLE 08.GLOBAL MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE, 2019-2027 (\$MILLION)

TABLE 09.MASSIVE MIMO MARKET REVENUE BY 16T16R, BY REGION 2019-2027 (\$MILLION)

TABLE 10.MASSIVE MIMO MARKET BY 32T32R, BY REGION 2019-2027(\$MILLION)

TABLE 11.MASSIVE MIMO MARKET REVENUE BY 64T64R, BY REGION 2019-2027 (\$MILLION)

TABLE 12.MASSIVE MIMO MARKET BY OTHERS, BY REGION 2019-2027(\$MILLION)

TABLE 13.NORTH AMERICA MASSIVE MIMO MARKET, BY TECHNOLOGY 2019-2027(\$MILLION)

TABLE 14.NORTH AMERICA MASSIVE MIMO MARKET, BY SPECTRUM 2019-2027(\$MILLION)

TABLE 15.NORTH AMERICA MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE 2019-2027(\$MILLION)

TABLE 16.U.S. MASSIVE MIMO MARKET, BY TECHNOLOGY 2019-2027(\$MILLION)

TABLE 17.U.S. MASSIVE MIMO MARKET, BY SPECTRUM 2019-2027(\$MILLION)

TABLE 18.U.S. MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE 2019-2027(\$MILLION)

TABLE 19.CANADA MASSIVE MIMO MARKET, BY TECHNOLOGY 2019-2027(\$MILLION)

TABLE 20.CANADA MASSIVE MIMO MARKET, BY SPECTRUM 2019-2027(\$MILLION)

TABLE 21.CANADA MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE  
2019-2027(\$MILLION)

TABLE 22.MEXICO MASSIVE MIMO MARKET, BY TECHNOLOGY  
2019-2027(\$MILLION)

TABLE 23.MEXICO MASSIVE MIMO MARKET, BY SPECTRUM  
2019-2027(\$MILLION)

TABLE 24.MEXICO MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE  
2019-2027(\$MILLION)

TABLE 25.EUROPE MASSIVE MIMO MARKET, BY TECHNOLOGY  
2019-2027(\$MILLION)

TABLE 26.EUROPE MASSIVE MIMO MARKET, BY SPECTRUM  
2019-2027(\$MILLION)

TABLE 27.EUROPE MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE  
2019-2027(\$MILLION)

TABLE 28.UK MASSIVE MIMO MARKET, BY TECHNOLOGY 2019-2027(\$MILLION)

TABLE 29.UK MASSIVE MIMO MARKET, BY SPECTRUM 2019-2027(\$MILLION)

TABLE 30.UK MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE  
2019-2027(\$MILLION)

TABLE 31.GERMANY MASSIVE MIMO MARKET, BY TECHNOLOGY  
2019-2027(\$MILLION)

TABLE 32.GERMANY MASSIVE MIMO MARKET, BY SPECTRUM  
2019-2027(\$MILLION)

TABLE 33.GERMANY MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE  
2019-2027(\$MILLION)

TABLE 34.FRANCE MASSIVE MIMO MARKET, BY TECHNOLOGY  
2019-2027(\$MILLION)

TABLE 35.FRANCE MASSIVE MIMO MARKET, BY SPECTRUM  
2019-2027(\$MILLION)

TABLE 36.FRANCE MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE  
2019-2027(\$MILLION)

TABLE 37.ITALY MASSIVE MIMO MARKET, BY TECHNOLOGY  
2019-2027(\$MILLION)

TABLE 38.ITALY MASSIVE MIMO MARKET, BY SPECTRUM 2019-2027(\$MILLION)

TABLE 39.ITALY MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE  
2019-2027(\$MILLION)

TABLE 40.REST OF EUROPE MASSIVE MIMO MARKET, BY TECHNOLOGY  
2019-2027(\$MILLION)

TABLE 41.REST OF EUROPE MASSIVE MIMO MARKET, BY SPECTRUM  
2019-2027(\$MILLION)

TABLE 42.REST OF EUROPE MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE 2019-2027(\$MILLION)

TABLE 43.ASIA-PACIFIC MASSIVE MIMO MARKET, BY TECHNOLOGY 2019-2027(\$MILLION)

TABLE 44.ASIA-PACIFIC MASSIVE MIMO MARKET, BY SPECTRUM 2019-2027(\$MILLION)

TABLE 45.ASIA-PACIFIC MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE 2019-2027(\$MILLION)

TABLE 46.CHINA MASSIVE MIMO MARKET, BY TECHNOLOGY 2019-2027(\$MILLION)

TABLE 47.CHINA MASSIVE MIMO MARKET, BY SPECTRUM 2019-2027(\$MILLION)

TABLE 48.CHINA MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE 2019-2027(\$MILLION)

TABLE 49.JAPAN MASSIVE MIMO MARKET, BY TECHNOLOGY 2019-2027(\$MILLION)

TABLE 50.JAPAN MASSIVE MIMO MARKET, BY SPECTRUM 2019-2027(\$MILLION)

TABLE 51.JAPAN MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE 2019-2027(\$MILLION)

TABLE 52.INDIA MASSIVE MIMO MARKET, BY TECHNOLOGY 2019-2027(\$MILLION)

TABLE 53.INDIA MASSIVE MIMO MARKET, BY SPECTRUM 2019-2027(\$MILLION)

TABLE 54.INDIA MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE 2019-2027(\$MILLION)

TABLE 55.SOUTH KOREA MASSIVE MIMO MARKET, BY TECHNOLOGY 2019-2027(\$MILLION)

TABLE 56.SOUTH KOREA MASSIVE MIMO MARKET, BY SPECTRUM 2019-2027(\$MILLION)

TABLE 57.SOUTH KOREA MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE 2019-2027(\$MILLION)

TABLE 58.REST OF ASIA-PACIFIC MASSIVE MIMO MARKET, BY TECHNOLOGY 2019-2027(\$MILLION)

TABLE 59.REST OF ASIA-PACIFIC MASSIVE MIMO MARKET, BY SPECTRUM 2019-2027(\$MILLION)

TABLE 60.REST OF ASIA-PACIFIC MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE 2019-2027(\$MILLION)

TABLE 61.LAMEA MASSIVE MIMO MARKET, BY TECHNOLOGY 2019-2027(\$MILLION)

TABLE 62.LAMEA MASSIVE MIMO MARKET, BY SPECTRUM 2019-2027(\$MILLION)

TABLE 63.LAMEA MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE

2019-2027(\$MILLION)

TABLE 64.LATIN AMERICA MASSIVE MIMO MARKET, BY TECHNOLOGY

2019-2027(\$MILLION)

TABLE 65.LATIN AMERICA MASSIVE MIMO MARKET, BY SPECTRUM

2019-2027(\$MILLION)

TABLE 66.LATIN AMERICA MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE

2019-2027(\$MILLION)

TABLE 67.MIDDLE EAST MASSIVE MIMO MARKET, BY TECHNOLOGY

2019-2027(\$MILLION)

TABLE 68.MIDDLE EAST MASSIVE MIMO MARKET, BY SPECTRUM

2019-2027(\$MILLION)

TABLE 69.MIDDLE EAST MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE

2019-2027(\$MILLION)

TABLE 70.AFRICA MASSIVE MIMO MARKET, BY TECHNOLOGY

2019-2027(\$MILLION)

TABLE 71.AFRICA MASSIVE MIMO MARKET, BY SPECTRUM 2019-2027(\$MILLION)

TABLE 72.AFRICA MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE

2019-2027(\$MILLION)

TABLE 73.TELEFONAKTIEBOLAGET L M ERICSSON: KEY EXECUTIVES:

TABLE 74.TELEFONAKTIEBOLAGET L M ERICSSON: COMPANY SNAPSHOT

TABLE 75.TELEFONAKTIEBOLAGET L M ERICSSON: OPERATING SEGMENTS

TABLE 76.TELEFONAKTIEBOLAGET L M ERICSSON: PRODUCT PORTFOLIO

TABLE 77.HUAWEI TECHNOLOGIES CO., LTD.: COMPANY SNAPSHOT

TABLE 78.HUAWEI TECHNOLOGIES CO., LTD.: OPERATING SEGMENTS

TABLE 79.HUAWEI TECHNOLOGIES CO., LTD.: PRODUCT PORTFOLIO

TABLE 80.NOKIA CORPORATION: COMPANY SNAPSHOT

TABLE 81.NOKIA CORPORATION: PRODUCT PORTFOLIO

TABLE 82.SAMSUNG CORPORATION: COMPANY SNAPSHOT

TABLE 83.SAMSUNG CORPORATION: OPERATING SEGMENTS

TABLE 84.SAMSUNG CORPORATION: PRODUCT PORTFOLIO

TABLE 85.ZTE CORPORATION: COMPANY SNAPSHOT

TABLE 86.ZTE CORPORATION: PRODUCT PORTFOLIO

TABLE 87.VERIZON COMMUNICATIONS INC.: COMPANY SNAPSHOT

TABLE 88.VERIZON COMMUNICATIONS INC.: PRODUCT PORTFOLIO

TABLE 89.CHINA UNICOM (HONG KONG) LTD.: COMPANY SNAPSHOT

TABLE 90.CHINA UNICOM (HONG KONG) LTD.: PRODUCT PORTFOLIO

TABLE 91.CHINA MOBILE LTD.: COMPANY SNAPSHOT

TABLE 92.CHINA MOBILE LTD.: OPERATING SEGMENTS

TABLE 93.CHINA MOBILE LTD.: PRODUCT PORTFOLIO



TABLE 94.COMMSCOPE, INC.: COMPANY SNAPSHOT  
TABLE 95.COMMSCOPE, INC.: OPERATING SEGMENTS  
TABLE 96.COMMSCOPE, INC.: PRODUCT PORTFOLIO  
TABLE 97.DEUTSCHE TELEKOM: COMPANY SNAPSHOT  
TABLE 98.DEUTSCHE TELEKOM: OPERATING SEGMENTS  
TABLE 99.DEUTSCHE TELEKOM: PRODUCT PORTFOLIO



## List Of Figures

### LIST OF FIGURES

FIGURE 01.KEY MARKET SEGMENTS

FIGURE 02.EXECUTIVE SUMMARY

FIGURE 03.TOP IMPACTING FACTORS

FIGURE 04.TOP INVESTMENT POCKETS

FIGURE 05.LOW-TO-HIGH BARGAINING POWER OF SUPPLIERS

FIGURE 06.MODERATE-TO-HIGH THREAT OF NEW ENTRANTS

FIGURE 07.MODERATE THREAT OF SUBSTITUTES

FIGURE 08.HIGH INTENSITY OF RIVALRY

FIGURE 09.MODERATE BARGAINING POWER OF BUYERS

FIGURE 10.TOP WINNING STRATEGIES, BY YEAR, 2017–2020\*

FIGURE 11.TOP WINNING STRATEGIES, BY DEVELOPMENT, 2017–2020\*

FIGURE 12.TOP WINNING STRATEGIES, BY COMPANY, 2017–2020\*

FIGURE 13.GLOBAL MASSIVE MIMO MARKET, BY TECHNOLOGY, 2019-2027

FIGURE 14.COMPARATIVE SHARE ANALYSIS OF LTE ADVANCE IN MASSIVE MIMO MARKET, BY COUNTRY, 2019 & 2027 (%)

FIGURE 15.COMPARATIVE SHARE ANALYSIS OF MASSIVE MIMO MARKET FOR LTE ADVANCE PRO, BY COUNTRY, 2019 & 2027 (%)

FIGURE 16.COMPARATIVE SHARE ANALYSIS OF MASSIVE MIMO MARKET FOR 5G, BY COUNTRY, 2019 & 2027 (%)

FIGURE 17.GLOBAL MASSIVE MIMO MARKET, BY SPECTRUM, 2019-2027

FIGURE 18.COMPARATIVE SHARE ANALYSIS OF TDD IN MASSIVE MIMO MARKET, BY COUNTRY, 2019 & 2027 (%)

FIGURE 19.COMPARATIVE SHARE ANALYSIS OF MASSIVE MIMO MARKET FOR FDD, BY COUNTRY, 2019 & 2027 (%)

FIGURE 20.GLOBAL MASSIVE MIMO MARKET, BY ANTENNA ARRAY TYPE, 2019-2027

FIGURE 21.COMPARATIVE SHARE ANALYSIS OF 16T16R IN MASSIVE MIMO MARKET, BY COUNTRY, 2019 & 2027 (%)

FIGURE 22.COMPARATIVE SHARE ANALYSIS OF MASSIVE MIMO MARKET FOR 32T32R, BY COUNTRY, 2019 & 2027 (%)

FIGURE 23.COMPARATIVE SHARE ANALYSIS OF 64T64R IN MASSIVE MIMO MARKET, BY COUNTRY, 2019 & 2027 (%)

FIGURE 24.COMPARATIVE SHARE ANALYSIS OF MASSIVE MIMO MARKET FOR OTHERS, BY COUNTRY, 2019 & 2027 (%)

FIGURE 25.GLOBAL MASSIVE MIMO MARKET, BY REGION, 2019-2027

- FIGURE 26. NORTH AMERICA MASSIVE MIMO MARKET, BY COUNTRY, 2019-2027
- FIGURE 27. U.S. MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 28. CANADA MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 29. MEXICO MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 30. EUROPE MASSIVE MIMO MARKET, BY COUNTRY, 2019-2027
- FIGURE 31. UK MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 32. GERMANY MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 33. FRANCE MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 34. ITALY MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 35. REST OF EUROPE MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 36. ASIA-PACIFIC MASSIVE MIMO MARKET, BY COUNTRY, 2019-2027
- FIGURE 37. CHINA MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 38. JAPAN MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 39. INDIA MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 40. SOUTH KOREA MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 41. REST OF ASIA-PACIFIC MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 42. LAMEA MASSIVE MIMO MARKET, BY COUNTRY, 2019-2027
- FIGURE 43. LATIN AMERICA MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 44. MIDDLE EAST MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 45. AFRICA MASSIVE MIMO MARKET, 2019-2027 (\$MILLION)
- FIGURE 46. TELEFONAKTIEBOLAGET L M ERICSSON: REVENUE, 2016–2018 (\$MILLION)
- FIGURE 47. TELEFONAKTIEBOLAGET L M ERICSSON: REVENUE SHARE BY SEGMENT, 2018 (%)
- FIGURE 48. TELEFONAKTIEBOLAGET L M ERICSSON: REVENUE SHARE BY REGION, 2018 (%)
- FIGURE 49. HUAWEI TECHNOLOGIES CO., LTD.: REVENUE, 2016–2018 (\$MILLION)
- FIGURE 50. HUAWEI TECHNOLOGIES CO., LTD.: REVENUE SHARE BY SEGMENT, 2018 (%)
- FIGURE 51. HUAWEI TECHNOLOGIES CO., LTD.: REVENUE SHARE BY REGION, 2018 (%)
- FIGURE 52. SAMSUNG CORPORATION: NET SALES, 2017–2019 (\$MILLION)
- FIGURE 53. SAMSUNG CORPORATION: REVENUE SHARE BY SEGMENT, 2019 (%)
- FIGURE 54. SAMSUNG CORPORATION: REVENUE SHARE BY REGION, 2018 (%)
- FIGURE 55. ZTE CORPORATION: REVENUE, 2016–2018 (\$MILLION)
- FIGURE 56. ZTE CORPORATION: REVENUE SHARE BY REGION SEGMENT, 2018 (%)
- FIGURE 57. CHINA MOBILE LTD.: NET SALES, 2016–2018 (\$MILLION)

FIGURE 58.CHINA MOBILE LTD.: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 59.COMMSCOPE, INC.: REVENUE, 2016–2018 (\$MILLION)

FIGURE 60.COMMSCOPE, INC.: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 61.COMMSCOPE, INC.: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 62.DEUTSCHE TELEKOM: REVENUE, 2016–2018 (\$MILLION)

FIGURE 63.DEUTSCHE TELEKOM: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 64.DEUTSCHE TELEKOM: REVENUE SHARE BY REGION, 2018 (%)

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