

# **RF Front End Module Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028**

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## **Abstracts**

The global RF front end module market size reached US\$ 20.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 43.8 Billion by 2028, exhibiting a growth rate (CAGR) of 14.3% during 2023-2028.

A radio frequency (RF) front end module refers to a device panel that combines all circuits between the antenna and the receiver. It consists of an RF filter, amplifier, local oscillator, mixer and multiple switches. It is commonly used to minimize the image response and prevent strong out-of-band signals from saturating the input stages. The module is also used for switching between the radio signal and baseband frequency in wireless systems and frequency modulation (FM) radios to encode/decode the signals during transmission. Thus, it is widely used in the manufacturing of consumer electronics, automobiles, military equipment and wireless communication tools, such as in-home devices, smart thermostats, wearables, internet of things (IoT) devices, smart lighting, sensors and range extenders.

Rapid digitalization, along with growing industrial automation, especially in developing economies, represents one of the key factors creating a positive outlook for the market. Furthermore, with the increasing use of social networking platforms and IoT devices, there is a substantial rise in the traffic generated from data-intensive industries, such as banking, financial services and insurance (BFSI). This has enhanced the consumer preference for smart devices equipped with innovative RF front end modules, which, in turn, is contributing to the market growth. Additionally, various technological advancements, such as the development of silicon-on-insulator (SOI) substrates, are acting as other growth-inducing factors. RF-SOI substrates support the functioning of 3G, 4G/LTE and future network requirements to enable faster and reliable data

transmission. Other factors, including the commercialization of 5G technology, along with significant improvements in the information technology (IT) infrastructure, are anticipated to drive the market further.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global RF front end module market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on component and application.

#### Breakup by Component:

- RF Filters
- RF Switches
- RF Power Amplifiers
- Others

#### Breakup by Application:

- Consumer Electronics
- Automotive
- Wireless Communication
- Others

#### Breakup by Region:

- North America
  - United States
  - Canada
- Asia Pacific
  - China
  - Japan
  - India
  - South Korea
  - Australia
  - Indonesia
  - Others
- Europe
  - Germany

France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Broadcom Inc., Infineon Technologies AG, Murata Manufacturing Co. Ltd., NXP Semiconductors N.V., Qorvo Inc., Skyworks Solutions Inc., STMicroelectronics N.V., Taiyo Yuden Co. Ltd., TDK Corporation, Teradyne Inc. and Texas Instruments Incorporated.

#### Key Questions Answered in This Report

1. What was the size of the global RF front end module market in 2022?
2. What is the expected growth rate of the global RF front end module market during 2023-2028?
3. What are the key factors driving the global RF front end module market?
4. What has been the impact of COVID-19 on the global RF front end module market?
5. What is the breakup of the global RF front end module market based on the component?
6. What are the key regions in the global RF front end module market?
7. Who are the key players/companies in the global RF front end module market?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL RF FRONT END MODULE MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY COMPONENT**

- 6.1 RF Filters
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 RF Switches
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast
- 6.3 RF Power Amplifiers

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Others
  - 6.4.1 Market Trends
  - 6.4.2 Market Forecast

## **7 MARKET BREAKUP BY APPLICATION**

- 7.1 Consumer Electronics
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 Automotive
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast
- 7.3 Wireless Communication
  - 7.3.1 Market Trends
  - 7.3.2 Market Forecast
- 7.4 Others
  - 7.4.1 Market Trends
  - 7.4.2 Market Forecast

## **8 MARKET BREAKUP BY REGION**

- 8.1 North America
  - 8.1.1 United States
    - 8.1.1.1 Market Trends
    - 8.1.1.2 Market Forecast
  - 8.1.2 Canada
    - 8.1.2.1 Market Trends
    - 8.1.2.2 Market Forecast
- 8.2 Asia Pacific
  - 8.2.1 China
    - 8.2.1.1 Market Trends
    - 8.2.1.2 Market Forecast
  - 8.2.2 Japan
    - 8.2.2.1 Market Trends
    - 8.2.2.2 Market Forecast
  - 8.2.3 India
    - 8.2.3.1 Market Trends

- 8.2.3.2 Market Forecast
- 8.2.4 South Korea
  - 8.2.4.1 Market Trends
  - 8.2.4.2 Market Forecast
- 8.2.5 Australia
  - 8.2.5.1 Market Trends
  - 8.2.5.2 Market Forecast
- 8.2.6 Indonesia
  - 8.2.6.1 Market Trends
  - 8.2.6.2 Market Forecast
- 8.2.7 Others
  - 8.2.7.1 Market Trends
  - 8.2.7.2 Market Forecast
- 8.3 Europe
  - 8.3.1 Germany
    - 8.3.1.1 Market Trends
    - 8.3.1.2 Market Forecast
  - 8.3.2 France
    - 8.3.2.1 Market Trends
    - 8.3.2.2 Market Forecast
  - 8.3.3 United Kingdom
    - 8.3.3.1 Market Trends
    - 8.3.3.2 Market Forecast
  - 8.3.4 Italy
    - 8.3.4.1 Market Trends
    - 8.3.4.2 Market Forecast
  - 8.3.5 Spain
    - 8.3.5.1 Market Trends
    - 8.3.5.2 Market Forecast
  - 8.3.6 Russia
    - 8.3.6.1 Market Trends
    - 8.3.6.2 Market Forecast
  - 8.3.7 Others
    - 8.3.7.1 Market Trends
    - 8.3.7.2 Market Forecast
- 8.4 Latin America
  - 8.4.1 Brazil
    - 8.4.1.1 Market Trends
    - 8.4.1.2 Market Forecast

## 8.4.2 Mexico

### 8.4.2.1 Market Trends

### 8.4.2.2 Market Forecast

## 8.4.3 Others

### 8.4.3.1 Market Trends

### 8.4.3.2 Market Forecast

## 8.5 Middle East and Africa

### 8.5.1 Market Trends

### 8.5.2 Market Breakup by Country

### 8.5.3 Market Forecast

## **9 SWOT ANALYSIS**

### 9.1 Overview

### 9.2 Strengths

### 9.3 Weaknesses

### 9.4 Opportunities

### 9.5 Threats

## **10 VALUE CHAIN ANALYSIS**

## **11 PORTERS FIVE FORCES ANALYSIS**

### 11.1 Overview

### 11.2 Bargaining Power of Buyers

### 11.3 Bargaining Power of Suppliers

### 11.4 Degree of Competition

### 11.5 Threat of New Entrants

### 11.6 Threat of Substitutes

## **12 PRICE ANALYSIS**

## **13 COMPETITIVE LANDSCAPE**

### 13.1 Market Structure

### 13.2 Key Players

### 13.3 Profiles of Key Players

#### 13.3.1 Broadcom Inc.

##### 13.3.1.1 Company Overview

- 13.3.1.2 Product Portfolio
- 13.3.1.3 Financials
- 13.3.1.4 SWOT Analysis
- 13.3.2 Infineon Technologies AG
  - 13.3.2.1 Company Overview
  - 13.3.2.2 Product Portfolio
  - 13.3.2.3 Financials
  - 13.3.2.4 SWOT Analysis
- 13.3.3 Murata Manufacturing Co. Ltd.
  - 13.3.3.1 Company Overview
  - 13.3.3.2 Product Portfolio
  - 13.3.3.3 Financials
  - 13.3.3.4 SWOT Analysis
- 13.3.4 NXP Semiconductors N.V.
  - 13.3.4.1 Company Overview
  - 13.3.4.2 Product Portfolio
  - 13.3.4.3 Financials
  - 13.3.4.4 SWOT Analysis
- 13.3.5 Qorvo Inc.
  - 13.3.5.1 Company Overview
  - 13.3.5.2 Product Portfolio
  - 13.3.5.3 Financials
  - 13.3.5.4 SWOT Analysis
- 13.3.6 Skyworks Solutions Inc.
  - 13.3.6.1 Company Overview
  - 13.3.6.2 Product Portfolio
  - 13.3.6.3 Financials
  - 13.3.6.4 SWOT Analysis
- 13.3.7 STMicroelectronics N.V.
  - 13.3.7.1 Company Overview
  - 13.3.7.2 Product Portfolio
  - 13.3.7.3 Financials
- 13.3.8 Taiyo Yuden Co. Ltd
  - 13.3.8.1 Company Overview
  - 13.3.8.2 Product Portfolio
  - 13.3.8.3 Financials
- 13.3.9 TDK Corporation
  - 13.3.9.1 Company Overview
  - 13.3.9.2 Product Portfolio



13.3.9.3 Financials

13.3.9.4 SWOT Analysis

13.3.10 Teradyne Inc.

13.3.10.1 Company Overview

13.3.10.2 Product Portfolio

13.3.10.3 Financials

13.3.10.4 SWOT Analysis

13.3.11 Texas Instruments Incorporated

13.3.11.1 Company Overview

13.3.11.2 Product Portfolio

13.3.11.3 Financials

13.3.11.4 SWOT Analysis

## List Of Tables

### LIST OF TABLES

Table 1: Global: RF Front End Module Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: RF Front End Module Market Forecast: Breakup by Component (in Million US\$), 2023-2028

Table 3: Global: RF Front End Module Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: RF Front End Module Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 5: Global: RF Front End Module Market Structure

Table 6: Global: RF Front End Module Market: Key Players

## List Of Figures

### LIST OF FIGURES

- Figure 1: Global: RF Front End Module Market: Major Drivers and Challenges
- Figure 2: Global: RF Front End Module Market: Sales Value (in Billion US\$), 2017-2022
- Figure 3: Global: RF Front End Module Market: Breakup by Component (in %), 2022
- Figure 4: Global: RF Front End Module Market: Breakup by Application (in %), 2022
- Figure 5: Global: RF Front End Module Market: Breakup by Region (in %), 2022
- Figure 6: Global: RF Front End Module Market Forecast: Sales Value (in Billion US\$), 2023-2028
- Figure 7: Global: RF Front End Module (RF Filters) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 8: Global: RF Front End Module (RF Filters) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 9: Global: RF Front End Module (RF Switches) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 10: Global: RF Front End Module (RF Switches) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 11: Global: RF Front End Module (RF Power Amplifiers) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 12: Global: RF Front End Module (RF Power Amplifiers) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 13: Global: RF Front End Module (Other Components) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 14: Global: RF Front End Module (Other Components) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 15: Global: RF Front End Module (Consumer Electronics) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 16: Global: RF Front End Module (Consumer Electronics) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 17: Global: RF Front End Module (Automotive) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 18: Global: RF Front End Module (Automotive) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 19: Global: RF Front End Module (Wireless Communication) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 20: Global: RF Front End Module (Wireless Communication) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: RF Front End Module (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: Global: RF Front End Module (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: North America: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: North America: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: United States: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: United States: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Canada: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Canada: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Asia Pacific: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Asia Pacific: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: China: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: China: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: Japan: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: Japan: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: India: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: India: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: South Korea: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: South Korea: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: Australia: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: Australia: RF Front End Module Market Forecast: Sales Value (in Million

US\$), 2023-2028

Figure 41: Indonesia: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Indonesia: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: Others: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Others: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: Europe: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: Europe: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: Germany: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: Germany: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: France: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: France: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: United Kingdom: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: United Kingdom: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Italy: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Italy: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Spain: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Spain: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Russia: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: Russia: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: Others: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: Others: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: Latin America: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: Latin America: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: Brazil: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Brazil: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: Mexico: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Mexico: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Others: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Others: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Middle East and Africa: RF Front End Module Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Middle East and Africa: RF Front End Module Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Global: RF Front End Module Industry: SWOT Analysis

Figure 72: Global: RF Front End Module Industry: Value Chain Analysis

Figure 73: Global: RF Front End Module Industry: Porter's Five Forces Analysis

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