

# Global ISM?LPWAN and LoRaWAN Antennas Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global ISM?LPWAN and LoRaWAN Antennas market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

ISM, LPWAN, and LoRaWAN antennas are types of antennas designed for specific wireless communication applications, often associated with the Internet of Things (IoT) and low-power, long-range connectivity. Each of these antennas serves distinct purposes in wireless communication.

ISM antennas are designed for applications operating in the Industrial, Scientific, and Medical frequency bands, which are unlicensed radio bands available for short-range, low-power devices. ISM bands are commonly used for wireless communications in applications such as remote control, telemetry, wireless sensors, and consumer electronics.

LPWAN antennas are designed for wide-area, low-power wireless network communication, primarily for IoT applications. They are designed to cover larger geographic areas with low energy consumption. LPWAN technologies, such as LoRaWAN and Sigfox, use these antennas to enable long-range connectivity with minimal power requirements.

LoRaWAN antennas are specifically designed for LoRaWAN technology, which is a type of LPWAN designed for long-range, low-power communication in the unlicensed ISM bands. LoRaWAN antennas are optimized for the transmission and reception of LoRa (Long Range) signals, which can travel several kilometers and penetrate obstacles

effectively.

In summary, ISM antennas are designed for unlicensed industrial, scientific, and medical applications with short to moderate range. LPWAN antennas are optimized for low-power, long-range communication networks like LoRaWAN and Sigfox, enabling IoT devices to operate over wide areas with minimal power consumption. LoRaWAN antennas, in particular, are tailored to LoRaWAN technology, which is known for its extended range and coverage, making it a popular choice for various IoT use cases.

The Global Info Research report includes an overview of the development of the ISM?LPWAN and LoRaWAN Antennas industry chain, the market status of Indoor Application (ISM Antennas, LPWAN Antennas), Outdoor Application (ISM Antennas, LPWAN Antennas), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of ISM?LPWAN and LoRaWAN Antennas.

Regionally, the report analyzes the ISM?LPWAN and LoRaWAN Antennas markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global ISM?LPWAN and LoRaWAN Antennas market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the ISM?LPWAN and LoRaWAN Antennas market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the ISM?LPWAN and LoRaWAN Antennas industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., ISM Antennas, LPWAN Antennas).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges

influencing the ISM?LPWAN and LoRaWAN Antennas market.

**Regional Analysis:** The report involves examining the ISM?LPWAN and LoRaWAN Antennas market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the ISM?LPWAN and LoRaWAN Antennas market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to ISM?LPWAN and LoRaWAN Antennas:

**Company Analysis:** Report covers individual ISM?LPWAN and LoRaWAN Antennas manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards ISM?LPWAN and LoRaWAN Antennas. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Indoor Application, Outdoor Application).

**Technology Analysis:** Report covers specific technologies relevant to ISM?LPWAN and LoRaWAN Antennas. It assesses the current state, advancements, and potential future developments in ISM?LPWAN and LoRaWAN Antennas areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the ISM?LPWAN and LoRaWAN Antennas market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

**Market Segmentation**

ISM?LPWAN and LoRaWAN Antennas market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

#### Market segment by Type

ISM Antennas

LPWAN Antennas

LoRaWAN Antennas

#### Market segment by Application

Indoor Application

Outdoor Application

#### Major players covered

Laird Connectivity

TE Con??nectivity

Taoglas

Antenova

PCTEL

Molex

MikroTik

Embedded Antenna Design (EAD)

Pulse Electronics

Mobile Mark

Phoenix Contact

Adafruit

Data Alliance

SparkFun Electronics

C&T RF Antennas

Delock

Pycom

Sunway Communication

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe ISM?LPWAN and LoRaWAN Antennas product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of ISM?LPWAN and LoRaWAN Antennas, with price, sales, revenue and global market share of ISM?LPWAN and LoRaWAN Antennas from 2018 to 2023.

Chapter 3, the ISM?LPWAN and LoRaWAN Antennas competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the ISM?LPWAN and LoRaWAN Antennas breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022.and ISM?LPWAN and LoRaWAN Antennas market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of ISM?LPWAN and LoRaWAN Antennas.

Chapter 14 and 15, to describe ISM?LPWAN and LoRaWAN Antennas sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of ISM?LPWAN and LoRaWAN Antennas
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global ISM?LPWAN and LoRaWAN Antennas Consumption Value by Type: 2018 Versus 2022 Versus 2029
  - 1.3.2 ISM Antennas
  - 1.3.3 LPWAN Antennas
  - 1.3.4 LoRaWAN Antennas
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global ISM?LPWAN and LoRaWAN Antennas Consumption Value by Application: 2018 Versus 2022 Versus 2029
  - 1.4.2 Indoor Application
  - 1.4.3 Outdoor Application
- 1.5 Global ISM?LPWAN and LoRaWAN Antennas Market Size & Forecast
  - 1.5.1 Global ISM?LPWAN and LoRaWAN Antennas Consumption Value (2018 & 2022 & 2029)
  - 1.5.2 Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity (2018-2029)
  - 1.5.3 Global ISM?LPWAN and LoRaWAN Antennas Average Price (2018-2029)

### 2 MANUFACTURERS PROFILES

- 2.1 Laird Connectivity
  - 2.1.1 Laird Connectivity Details
  - 2.1.2 Laird Connectivity Major Business
  - 2.1.3 Laird Connectivity ISM?LPWAN and LoRaWAN Antennas Product and Services
  - 2.1.4 Laird Connectivity ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.1.5 Laird Connectivity Recent Developments/Updates
- 2.2 TE Con??nectivity
  - 2.2.1 TE Con??nectivity Details
  - 2.2.2 TE Con??nectivity Major Business
  - 2.2.3 TE Con??nectivity ISM?LPWAN and LoRaWAN Antennas Product and Services
  - 2.2.4 TE Con??nectivity ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.2.5 TE Con??nectivity Recent Developments/Updates

## 2.3 Taoglas

### 2.3.1 Taoglas Details

### 2.3.2 Taoglas Major Business

### 2.3.3 Taoglas ISM?LPWAN and LoRaWAN Antennas Product and Services

### 2.3.4 Taoglas ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.3.5 Taoglas Recent Developments/Updates

## 2.4 Antenova

### 2.4.1 Antenova Details

### 2.4.2 Antenova Major Business

### 2.4.3 Antenova ISM?LPWAN and LoRaWAN Antennas Product and Services

### 2.4.4 Antenova ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.4.5 Antenova Recent Developments/Updates

## 2.5 PCTEL

### 2.5.1 PCTEL Details

### 2.5.2 PCTEL Major Business

### 2.5.3 PCTEL ISM?LPWAN and LoRaWAN Antennas Product and Services

### 2.5.4 PCTEL ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.5.5 PCTEL Recent Developments/Updates

## 2.6 Molex

### 2.6.1 Molex Details

### 2.6.2 Molex Major Business

### 2.6.3 Molex ISM?LPWAN and LoRaWAN Antennas Product and Services

### 2.6.4 Molex ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.6.5 Molex Recent Developments/Updates

## 2.7 MikroTik

### 2.7.1 MikroTik Details

### 2.7.2 MikroTik Major Business

### 2.7.3 MikroTik ISM?LPWAN and LoRaWAN Antennas Product and Services

### 2.7.4 MikroTik ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

### 2.7.5 MikroTik Recent Developments/Updates

## 2.8 Embedded Antenna Design (EAD)

### 2.8.1 Embedded Antenna Design (EAD) Details

### 2.8.2 Embedded Antenna Design (EAD) Major Business

### 2.8.3 Embedded Antenna Design (EAD) ISM?LPWAN and LoRaWAN Antennas



## Product and Services

2.8.4 Embedded Antenna Design (EAD) ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.8.5 Embedded Antenna Design (EAD) Recent Developments/Updates

## 2.9 Pulse Electronics

2.9.1 Pulse Electronics Details

2.9.2 Pulse Electronics Major Business

2.9.3 Pulse Electronics ISM?LPWAN and LoRaWAN Antennas Product and Services

2.9.4 Pulse Electronics ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.9.5 Pulse Electronics Recent Developments/Updates

## 2.10 Mobile Mark

2.10.1 Mobile Mark Details

2.10.2 Mobile Mark Major Business

2.10.3 Mobile Mark ISM?LPWAN and LoRaWAN Antennas Product and Services

2.10.4 Mobile Mark ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.10.5 Mobile Mark Recent Developments/Updates

## 2.11 Phoenix Contact

2.11.1 Phoenix Contact Details

2.11.2 Phoenix Contact Major Business

2.11.3 Phoenix Contact ISM?LPWAN and LoRaWAN Antennas Product and Services

2.11.4 Phoenix Contact ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.11.5 Phoenix Contact Recent Developments/Updates

## 2.12 Adafruit

2.12.1 Adafruit Details

2.12.2 Adafruit Major Business

2.12.3 Adafruit ISM?LPWAN and LoRaWAN Antennas Product and Services

2.12.4 Adafruit ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.12.5 Adafruit Recent Developments/Updates

## 2.13 Data Alliance

2.13.1 Data Alliance Details

2.13.2 Data Alliance Major Business

2.13.3 Data Alliance ISM?LPWAN and LoRaWAN Antennas Product and Services

2.13.4 Data Alliance ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.13.5 Data Alliance Recent Developments/Updates

## 2.14 SparkFun Electronics

2.14.1 SparkFun Electronics Details

2.14.2 SparkFun Electronics Major Business

2.14.3 SparkFun Electronics ISM?LPWAN and LoRaWAN Antennas Product and Services

2.14.4 SparkFun Electronics ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.14.5 SparkFun Electronics Recent Developments/Updates

## 2.15 C&T RF Antennas

2.15.1 C&T RF Antennas Details

2.15.2 C&T RF Antennas Major Business

2.15.3 C&T RF Antennas ISM?LPWAN and LoRaWAN Antennas Product and Services

2.15.4 C&T RF Antennas ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.15.5 C&T RF Antennas Recent Developments/Updates

## 2.16 Delock

2.16.1 Delock Details

2.16.2 Delock Major Business

2.16.3 Delock ISM?LPWAN and LoRaWAN Antennas Product and Services

2.16.4 Delock ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.16.5 Delock Recent Developments/Updates

## 2.17 Pycom

2.17.1 Pycom Details

2.17.2 Pycom Major Business

2.17.3 Pycom ISM?LPWAN and LoRaWAN Antennas Product and Services

2.17.4 Pycom ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.17.5 Pycom Recent Developments/Updates

## 2.18 Sunway Communication

2.18.1 Sunway Communication Details

2.18.2 Sunway Communication Major Business

2.18.3 Sunway Communication ISM?LPWAN and LoRaWAN Antennas Product and Services

2.18.4 Sunway Communication ISM?LPWAN and LoRaWAN Antennas Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.18.5 Sunway Communication Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: ISM?LPWAN AND LORAWAN ANTENNAS BY MANUFACTURER**

3.1 Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Manufacturer (2018-2023)

3.2 Global ISM?LPWAN and LoRaWAN Antennas Revenue by Manufacturer (2018-2023)

3.3 Global ISM?LPWAN and LoRaWAN Antennas Average Price by Manufacturer (2018-2023)

3.4 Market Share Analysis (2022)

3.4.1 Producer Shipments of ISM?LPWAN and LoRaWAN Antennas by Manufacturer Revenue (\$MM) and Market Share (%): 2022

3.4.2 Top 3 ISM?LPWAN and LoRaWAN Antennas Manufacturer Market Share in 2022

3.4.2 Top 6 ISM?LPWAN and LoRaWAN Antennas Manufacturer Market Share in 2022

3.5 ISM?LPWAN and LoRaWAN Antennas Market: Overall Company Footprint Analysis

3.5.1 ISM?LPWAN and LoRaWAN Antennas Market: Region Footprint

3.5.2 ISM?LPWAN and LoRaWAN Antennas Market: Company Product Type Footprint

3.5.3 ISM?LPWAN and LoRaWAN Antennas Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

### **4 CONSUMPTION ANALYSIS BY REGION**

4.1 Global ISM?LPWAN and LoRaWAN Antennas Market Size by Region

4.1.1 Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Region (2018-2029)

4.1.2 Global ISM?LPWAN and LoRaWAN Antennas Consumption Value by Region (2018-2029)

4.1.3 Global ISM?LPWAN and LoRaWAN Antennas Average Price by Region (2018-2029)

4.2 North America ISM?LPWAN and LoRaWAN Antennas Consumption Value (2018-2029)

4.3 Europe ISM?LPWAN and LoRaWAN Antennas Consumption Value (2018-2029)

4.4 Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Consumption Value (2018-2029)

4.5 South America ISM?LPWAN and LoRaWAN Antennas Consumption Value (2018-2029)

4.6 Middle East and Africa ISM?LPWAN and LoRaWAN Antennas Consumption Value (2018-2029)

## **5 MARKET SEGMENT BY TYPE**

5.1 Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2018-2029)

5.2 Global ISM?LPWAN and LoRaWAN Antennas Consumption Value by Type (2018-2029)

5.3 Global ISM?LPWAN and LoRaWAN Antennas Average Price by Type (2018-2029)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2018-2029)

6.2 Global ISM?LPWAN and LoRaWAN Antennas Consumption Value by Application (2018-2029)

6.3 Global ISM?LPWAN and LoRaWAN Antennas Average Price by Application (2018-2029)

## **7 NORTH AMERICA**

7.1 North America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2018-2029)

7.2 North America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2018-2029)

7.3 North America ISM?LPWAN and LoRaWAN Antennas Market Size by Country

7.3.1 North America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Country (2018-2029)

7.3.2 North America ISM?LPWAN and LoRaWAN Antennas Consumption Value by Country (2018-2029)

7.3.3 United States Market Size and Forecast (2018-2029)

7.3.4 Canada Market Size and Forecast (2018-2029)

7.3.5 Mexico Market Size and Forecast (2018-2029)

## **8 EUROPE**

8.1 Europe ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2018-2029)

8.2 Europe ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2018-2029)

8.3 Europe ISM?LPWAN and LoRaWAN Antennas Market Size by Country

8.3.1 Europe ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Country (2018-2029)

8.3.2 Europe ISM?LPWAN and LoRaWAN Antennas Consumption Value by Country (2018-2029)

8.3.3 Germany Market Size and Forecast (2018-2029)

8.3.4 France Market Size and Forecast (2018-2029)

8.3.5 United Kingdom Market Size and Forecast (2018-2029)

8.3.6 Russia Market Size and Forecast (2018-2029)

8.3.7 Italy Market Size and Forecast (2018-2029)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2018-2029)

9.2 Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Market Size by Region

9.3.1 Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Consumption Value by Region (2018-2029)

9.3.3 China Market Size and Forecast (2018-2029)

9.3.4 Japan Market Size and Forecast (2018-2029)

9.3.5 Korea Market Size and Forecast (2018-2029)

9.3.6 India Market Size and Forecast (2018-2029)

9.3.7 Southeast Asia Market Size and Forecast (2018-2029)

9.3.8 Australia Market Size and Forecast (2018-2029)

## **10 SOUTH AMERICA**

10.1 South America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2018-2029)

10.2 South America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2018-2029)

10.3 South America ISM?LPWAN and LoRaWAN Antennas Market Size by Country

10.3.1 South America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by

Country (2018-2029)

10.3.2 South America ISM?LPWAN and LoRaWAN Antennas Consumption Value by Country (2018-2029)

10.3.3 Brazil Market Size and Forecast (2018-2029)

10.3.4 Argentina Market Size and Forecast (2018-2029)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2018-2029)

11.2 Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2018-2029)

11.3 Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Market Size by Country

11.3.1 Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Country (2018-2029)

11.3.2 Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Consumption Value by Country (2018-2029)

11.3.3 Turkey Market Size and Forecast (2018-2029)

11.3.4 Egypt Market Size and Forecast (2018-2029)

11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)

11.3.6 South Africa Market Size and Forecast (2018-2029)

## **12 MARKET DYNAMICS**

12.1 ISM?LPWAN and LoRaWAN Antennas Market Drivers

12.2 ISM?LPWAN and LoRaWAN Antennas Market Restraints

12.3 ISM?LPWAN and LoRaWAN Antennas Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of ISM?LPWAN and LoRaWAN Antennas and Key Manufacturers

13.2 Manufacturing Costs Percentage of ISM?LPWAN and LoRaWAN Antennas

- 13.3 ISM?LPWAN and LoRaWAN Antennas Production Process
- 13.4 ISM?LPWAN and LoRaWAN Antennas Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 ISM?LPWAN and LoRaWAN Antennas Typical Distributors
- 14.3 ISM?LPWAN and LoRaWAN Antennas Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Laird Connectivity Basic Information, Manufacturing Base and Competitors

Table 4. Laird Connectivity Major Business

Table 5. Laird Connectivity ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 6. Laird Connectivity ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Laird Connectivity Recent Developments/Updates

Table 8. TE Con??nectivity Basic Information, Manufacturing Base and Competitors

Table 9. TE Con??nectivity Major Business

Table 10. TE Con??nectivity ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 11. TE Con??nectivity ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. TE Con??nectivity Recent Developments/Updates

Table 13. Taoglas Basic Information, Manufacturing Base and Competitors

Table 14. Taoglas Major Business

Table 15. Taoglas ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 16. Taoglas ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Taoglas Recent Developments/Updates

Table 18. Antenova Basic Information, Manufacturing Base and Competitors

Table 19. Antenova Major Business

Table 20. Antenova ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 21. Antenova ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. Antenova Recent Developments/Updates

Table 23. PCTEL Basic Information, Manufacturing Base and Competitors



Table 24. PCTEL Major Business

Table 25. PCTEL ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 26. PCTEL ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. PCTEL Recent Developments/Updates

Table 28. Molex Basic Information, Manufacturing Base and Competitors

Table 29. Molex Major Business

Table 30. Molex ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 31. Molex ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. Molex Recent Developments/Updates

Table 33. MikroTik Basic Information, Manufacturing Base and Competitors

Table 34. MikroTik Major Business

Table 35. MikroTik ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 36. MikroTik ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. MikroTik Recent Developments/Updates

Table 38. Embedded Antenna Design (EAD) Basic Information, Manufacturing Base and Competitors

Table 39. Embedded Antenna Design (EAD) Major Business

Table 40. Embedded Antenna Design (EAD) ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 41. Embedded Antenna Design (EAD) ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. Embedded Antenna Design (EAD) Recent Developments/Updates

Table 43. Pulse Electronics Basic Information, Manufacturing Base and Competitors

Table 44. Pulse Electronics Major Business

Table 45. Pulse Electronics ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 46. Pulse Electronics ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. Pulse Electronics Recent Developments/Updates

Table 48. Mobile Mark Basic Information, Manufacturing Base and Competitors

Table 49. Mobile Mark Major Business

Table 50. Mobile Mark ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 51. Mobile Mark ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. Mobile Mark Recent Developments/Updates

Table 53. Phoenix Contact Basic Information, Manufacturing Base and Competitors

Table 54. Phoenix Contact Major Business

Table 55. Phoenix Contact ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 56. Phoenix Contact ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. Phoenix Contact Recent Developments/Updates

Table 58. Adafruit Basic Information, Manufacturing Base and Competitors

Table 59. Adafruit Major Business

Table 60. Adafruit ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 61. Adafruit ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. Adafruit Recent Developments/Updates

Table 63. Data Alliance Basic Information, Manufacturing Base and Competitors

Table 64. Data Alliance Major Business

Table 65. Data Alliance ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 66. Data Alliance ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 67. Data Alliance Recent Developments/Updates

Table 68. SparkFun Electronics Basic Information, Manufacturing Base and Competitors

Table 69. SparkFun Electronics Major Business

Table 70. SparkFun Electronics ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 71. SparkFun Electronics ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 72. SparkFun Electronics Recent Developments/Updates

Table 73. C&T RF Antennas Basic Information, Manufacturing Base and Competitors

Table 74. C&T RF Antennas Major Business

Table 75. C&T RF Antennas ISM?LPWAN and LoRaWAN Antennas Product and

## Services

Table 76. C&T RF Antennas ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. C&T RF Antennas Recent Developments/Updates

Table 78. Delock Basic Information, Manufacturing Base and Competitors

Table 79. Delock Major Business

Table 80. Delock ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 81. Delock ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 82. Delock Recent Developments/Updates

Table 83. Pycom Basic Information, Manufacturing Base and Competitors

Table 84. Pycom Major Business

Table 85. Pycom ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 86. Pycom ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 87. Pycom Recent Developments/Updates

Table 88. Sunway Communication Basic Information, Manufacturing Base and Competitors

Table 89. Sunway Communication Major Business

Table 90. Sunway Communication ISM?LPWAN and LoRaWAN Antennas Product and Services

Table 91. Sunway Communication ISM?LPWAN and LoRaWAN Antennas Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 92. Sunway Communication Recent Developments/Updates

Table 93. Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Manufacturer (2018-2023) & (K Units)

Table 94. Global ISM?LPWAN and LoRaWAN Antennas Revenue by Manufacturer (2018-2023) & (USD Million)

Table 95. Global ISM?LPWAN and LoRaWAN Antennas Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 96. Market Position of Manufacturers in ISM?LPWAN and LoRaWAN Antennas, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 97. Head Office and ISM?LPWAN and LoRaWAN Antennas Production Site of Key Manufacturer

Table 98. ISM?LPWAN and LoRaWAN Antennas Market: Company Product Type

**Footprint**

Table 99. ISM?LPWAN and LoRaWAN Antennas Market: Company Product Application Footprint

Table 100. ISM?LPWAN and LoRaWAN Antennas New Market Entrants and Barriers to Market Entry

Table 101. ISM?LPWAN and LoRaWAN Antennas Mergers, Acquisition, Agreements, and Collaborations

Table 102. Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Region (2018-2023) & (K Units)

Table 103. Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Region (2024-2029) & (K Units)

Table 104. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value by Region (2018-2023) & (USD Million)

Table 105. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value by Region (2024-2029) & (USD Million)

Table 106. Global ISM?LPWAN and LoRaWAN Antennas Average Price by Region (2018-2023) & (US\$/Unit)

Table 107. Global ISM?LPWAN and LoRaWAN Antennas Average Price by Region (2024-2029) & (US\$/Unit)

Table 108. Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2018-2023) & (K Units)

Table 109. Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2024-2029) & (K Units)

Table 110. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value by Type (2018-2023) & (USD Million)

Table 111. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value by Type (2024-2029) & (USD Million)

Table 112. Global ISM?LPWAN and LoRaWAN Antennas Average Price by Type (2018-2023) & (US\$/Unit)

Table 113. Global ISM?LPWAN and LoRaWAN Antennas Average Price by Type (2024-2029) & (US\$/Unit)

Table 114. Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2018-2023) & (K Units)

Table 115. Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2024-2029) & (K Units)

Table 116. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value by Application (2018-2023) & (USD Million)

Table 117. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value by Application (2024-2029) & (USD Million)

Table 118. Global ISM?LPWAN and LoRaWAN Antennas Average Price by Application (2018-2023) & (US\$/Unit)

Table 119. Global ISM?LPWAN and LoRaWAN Antennas Average Price by Application (2024-2029) & (US\$/Unit)

Table 120. North America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2018-2023) & (K Units)

Table 121. North America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2024-2029) & (K Units)

Table 122. North America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2018-2023) & (K Units)

Table 123. North America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2024-2029) & (K Units)

Table 124. North America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Country (2018-2023) & (K Units)

Table 125. North America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Country (2024-2029) & (K Units)

Table 126. North America ISM?LPWAN and LoRaWAN Antennas Consumption Value by Country (2018-2023) & (USD Million)

Table 127. North America ISM?LPWAN and LoRaWAN Antennas Consumption Value by Country (2024-2029) & (USD Million)

Table 128. Europe ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2018-2023) & (K Units)

Table 129. Europe ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2024-2029) & (K Units)

Table 130. Europe ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2018-2023) & (K Units)

Table 131. Europe ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2024-2029) & (K Units)

Table 132. Europe ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Country (2018-2023) & (K Units)

Table 133. Europe ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Country (2024-2029) & (K Units)

Table 134. Europe ISM?LPWAN and LoRaWAN Antennas Consumption Value by Country (2018-2023) & (USD Million)

Table 135. Europe ISM?LPWAN and LoRaWAN Antennas Consumption Value by Country (2024-2029) & (USD Million)

Table 136. Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2018-2023) & (K Units)

Table 137. Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type

(2024-2029) & (K Units)

Table 138. Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2018-2023) & (K Units)

Table 139. Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2024-2029) & (K Units)

Table 140. Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Region (2018-2023) & (K Units)

Table 141. Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Region (2024-2029) & (K Units)

Table 142. Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Consumption Value by Region (2018-2023) & (USD Million)

Table 143. Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Consumption Value by Region (2024-2029) & (USD Million)

Table 144. South America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2018-2023) & (K Units)

Table 145. South America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2024-2029) & (K Units)

Table 146. South America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2018-2023) & (K Units)

Table 147. South America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2024-2029) & (K Units)

Table 148. South America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Country (2018-2023) & (K Units)

Table 149. South America ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Country (2024-2029) & (K Units)

Table 150. South America ISM?LPWAN and LoRaWAN Antennas Consumption Value by Country (2018-2023) & (USD Million)

Table 151. South America ISM?LPWAN and LoRaWAN Antennas Consumption Value by Country (2024-2029) & (USD Million)

Table 152. Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2018-2023) & (K Units)

Table 153. Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Type (2024-2029) & (K Units)

Table 154. Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2018-2023) & (K Units)

Table 155. Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Application (2024-2029) & (K Units)

Table 156. Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Region (2018-2023) & (K Units)

Table 157. Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Sales Quantity by Region (2024-2029) & (K Units)

Table 158. Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Consumption Value by Region (2018-2023) & (USD Million)

Table 159. Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Consumption Value by Region (2024-2029) & (USD Million)

Table 160. ISM?LPWAN and LoRaWAN Antennas Raw Material

Table 161. Key Manufacturers of ISM?LPWAN and LoRaWAN Antennas Raw Materials

Table 162. ISM?LPWAN and LoRaWAN Antennas Typical Distributors

Table 163. ISM?LPWAN and LoRaWAN Antennas Typical Customers

## LIST OF FIGURE

s

Figure 1. ISM?LPWAN and LoRaWAN Antennas Picture

Figure 2. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value Market Share by Type in 2022

Figure 4. ISM Antennas Examples

Figure 5. LPWAN Antennas Examples

Figure 6. LoRaWAN Antennas Examples

Figure 7. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 8. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value Market Share by Application in 2022

Figure 9. Indoor Application Examples

Figure 10. Outdoor Application Examples

Figure 11. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 12. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 13. Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity (2018-2029) & (K Units)

Figure 14. Global ISM?LPWAN and LoRaWAN Antennas Average Price (2018-2029) & (US\$/Unit)

Figure 15. Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Manufacturer in 2022

Figure 16. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value Market Share by Manufacturer in 2022

- Figure 17. Producer Shipments of ISM?LPWAN and LoRaWAN Antennas by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021
- Figure 18. Top 3 ISM?LPWAN and LoRaWAN Antennas Manufacturer (Consumption Value) Market Share in 2022
- Figure 19. Top 6 ISM?LPWAN and LoRaWAN Antennas Manufacturer (Consumption Value) Market Share in 2022
- Figure 20. Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Region (2018-2029)
- Figure 21. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value Market Share by Region (2018-2029)
- Figure 22. North America ISM?LPWAN and LoRaWAN Antennas Consumption Value (2018-2029) & (USD Million)
- Figure 23. Europe ISM?LPWAN and LoRaWAN Antennas Consumption Value (2018-2029) & (USD Million)
- Figure 24. Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Consumption Value (2018-2029) & (USD Million)
- Figure 25. South America ISM?LPWAN and LoRaWAN Antennas Consumption Value (2018-2029) & (USD Million)
- Figure 26. Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Consumption Value (2018-2029) & (USD Million)
- Figure 27. Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Type (2018-2029)
- Figure 28. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value Market Share by Type (2018-2029)
- Figure 29. Global ISM?LPWAN and LoRaWAN Antennas Average Price by Type (2018-2029) & (US\$/Unit)
- Figure 30. Global ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Application (2018-2029)
- Figure 31. Global ISM?LPWAN and LoRaWAN Antennas Consumption Value Market Share by Application (2018-2029)
- Figure 32. Global ISM?LPWAN and LoRaWAN Antennas Average Price by Application (2018-2029) & (US\$/Unit)
- Figure 33. North America ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Type (2018-2029)
- Figure 34. North America ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Application (2018-2029)
- Figure 35. North America ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Country (2018-2029)
- Figure 36. North America ISM?LPWAN and LoRaWAN Antennas Consumption Value



## Market Share by Country (2018-2029)

Figure 37. United States ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 38. Canada ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 39. Mexico ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 40. Europe ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Type (2018-2029)

Figure 41. Europe ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Application (2018-2029)

Figure 42. Europe ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Country (2018-2029)

Figure 43. Europe ISM?LPWAN and LoRaWAN Antennas Consumption Value Market Share by Country (2018-2029)

Figure 44. Germany ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 45. France ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 46. United Kingdom ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. Russia ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. Italy ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Type (2018-2029)

Figure 50. Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Application (2018-2029)

Figure 51. Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Region (2018-2029)

Figure 52. Asia-Pacific ISM?LPWAN and LoRaWAN Antennas Consumption Value Market Share by Region (2018-2029)

Figure 53. China ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 54. Japan ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 55. Korea ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 56. India ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Southeast Asia ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Australia ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. South America ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Type (2018-2029)

Figure 60. South America ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Application (2018-2029)

Figure 61. South America ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Country (2018-2029)

Figure 62. South America ISM?LPWAN and LoRaWAN Antennas Consumption Value Market Share by Country (2018-2029)

Figure 63. Brazil ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 64. Argentina ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 65. Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Type (2018-2029)

Figure 66. Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Application (2018-2029)

Figure 67. Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Sales Quantity Market Share by Region (2018-2029)

Figure 68. Middle East & Africa ISM?LPWAN and LoRaWAN Antennas Consumption Value Market Share by Region (2018-2029)

Figure 69. Turkey ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 70. Egypt ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 71. Saudi Arabia ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. South Africa ISM?LPWAN and LoRaWAN Antennas Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. ISM?LPWAN and LoRaWAN Antennas Market Drivers

Figure 74. ISM?LPWAN and LoRaWAN Antennas Market Restraints

Figure 75. ISM?LPWAN and LoRaWAN Antennas Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of ISM?LPWAN and LoRaWAN

Antennas in 2022

Figure 78. Manufacturing Process Analysis of ISM?LPWAN and LoRaWAN Antennas

Figure 79. ISM?LPWAN and LoRaWAN Antennas Industrial Chain

Figure 80. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source

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