

Wireless Power Transmission Market by Technology (Induction, Magnetic Resonance), Implementation, Transmitter, and Receiver Application (Smartphones, Electric Vehicles, Wearable Electronics, and Furniture) and Geography - Global Forecast to 2022

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Abstracts

“Wireless power transmission market is expected to exhibit significant growth between 2017 and 2022”

The wireless power transmission market is expected to be valued at USD 11.27 billion by 2022, growing at a CAGR of 23.15% during the forecast period. The market for the inductive technology is in the growth phase, while the market for the magnetic resonance is currently in the introductory phase. The market in Europe is expected to grow at the highest rate during the forecast period. The growth of this market is propelled by the factors such as the convenience offered by and consumer preference for wireless connectivity and need for effective charging systems. On the other hand, the impact of uncertified and non-standardized products on the industry, which delivers poor user experience is a key restraint to the growth of the market.

“The magnetic resonance technology yet to go mainstream”

The market for the magnetic resonance technology is expected to grow at the highest rate owing to the benefits such as wide charging range, drop and go charging, and simultaneous multiple device charging. This technology is more apt for electric vehicle and industrial applications. Airfuel Alliance and Wireless Power Consortium are working on the development of the magnetic resonance technology, which enables it to commercialize very soon.

“APAC held for the largest share of the wireless power transmission market in 2016”

APAC held the largest share of the global wireless power transmission market in 2016. The presence of large consumer electronics industries in the countries such as China, Japan, India, and South Korea has attributed to the huge market size of APAC in the global wireless power transmission market.

Break-up of the profile of primary participants:

By Company Type - Tier 1 – 30%, Tier 2 – 35%, and Tier 3 – 35%

By Designation – C-Level Executives – 55%, Directors – 30%, and Others – 15%

By Region – North America – 20%, Europe – 35%, APAC – 35%, and RoW – 10%

Major players in the wireless power transmission market are Samsung Electronics Co., Ltd. (South Korea), Qualcomm Inc. (U.S.), Texas Instruments Inc. (U.S.), TDK Corporation (Japan), WiTricity Corporation (U.S.), Integrated Device Technology, Inc. (U.S.), NuCurrent Inc. (U.S.), PowerbyProxi Ltd. (New Zealand), ConvenientPower HK Ltd. (Hong Kong), Salcomp Plc. (Finland), and Powermat Technologies Ltd. (Israel).

Research Coverage

The research report on the global wireless power transmission market covers different segments, namely technology, implementation, receiver application, transmitter application, and geography. The market has been segmented on the basis of technology into near-field and far-field technologies. Also, the wireless power transmission market has been classified based on implementation into integrated and aftermarket. Further, the wireless power transmission market has been segmented on the basis of receiver application into smartphones, tablets, wearable electronics, notebooks, electric vehicle charging, and industrial. The market has also been segmented on the basis of transmitter application into standalone chargers, automotive (in vehicle), electric vehicle charging, furniture, and industrial. The report covers four major geographical regions: North America, Europe, Asia Pacific (APAC), and Rest of the World (RoW).

Reasons to Buy the Report:

The report will help the market leaders/new entrants in this market in the following ways:

1. This report segments the wireless power transmission market comprehensively and provides the closest approximations of the revenue numbers for the overall market and the subsegments across different verticals and regions.
2. The report helps stakeholders to understand the pulse of the market and provides them information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to better understand the competitor and gain more insights to better their position in the business. The competitive landscape section includes competitor ecosystem, new product launches and developments, partnerships, and mergers and acquisitions.
4. This report will help stakeholders to gauge the start-up's ecosystem, funding and investments, and key innovative products.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVE OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
 - 1.3.1 MARKETS COVERED
 - 1.3.2 GEOGRAPHICAL SCOPE
 - 1.3.3 YEARS CONSIDER FOR THE STUDY
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
- 2.2 SECONDARY DATA
 - 2.2.1 LIST OF MAJOR SECONDARY SOURCES
 - 2.2.2 KEY DATA FROM SECONDARY SOURCES
- 2.3 PRIMARY DATA
 - 2.3.1 PRIMARY INTERVIEWS WITH EXPERTS
 - 2.3.2 BREAKDOWN OF PRIMARIES
 - 2.3.3 KEY DATA FROM PRIMARY SOURCES
 - 2.3.4 SECONDARY AND PRIMARY RESEARCH
 - 2.3.5 KEY INDUSTRY INSIGHTS
- 2.4 MARKET SIZE ESTIMATION
 - 2.4.1 BOTTOM-UP APPROACH
 - 2.4.1.1 Approach for capturing the market share by bottom-up analysis (demand side)
 - 2.4.2 TOP DOWN APPROACH
 - 2.4.2.1 Approach for capturing the market share by top-down analysis (supply side)
- 2.5 MARKET BREAKDOWN AND DATA TRIANGULATION
- 2.6 RESEARCH ASSUMPTION

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

4.1 WIRELESS POWER TRANSMISSION MARKET OPPORTUNITIES

4.2 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET, BY COMPONENT

4.3 WIRELESS POWER TRANSMISSION MARKET FOR INDUCTIVE TECHNOLOGY, BY IMPLEMENTATION

4.4 WIRELESS POWER TRANSMISSION MARKET FOR INDUCTIVE TECHNOLOGY, BY RECEIVER APPLICATION AND REGION

4.5 WIRELESS POWER TRANSMISSION MARKET FOR MAGNETIC RESONANCE TECHNOLOGY, BY TRANSMITTER APPLICATION

4.6 WIRELESS POWER TRANSMISSION MARKET FOR INDUCTIVE TECHNOLOGY, BY GEOGRAPHY

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET SEGMENTATION

5.2.1 BY TECHNOLOGY

5.2.2 BY IMPLEMENTATION

5.2.3 BY RECEIVER APPLICATION

5.2.4 BY TRANSMITTER APPLICATION

5.2.5 BY GEOGRAPHY

5.3 MARKET DYNAMICS

5.3.1 DRIVERS

5.3.1.1 Convenience offered by and consumer preference for wireless connectivity

5.3.1.2 Need for effective charging systems

5.3.2 RESTRAINTS

5.3.2.1 Impact of uncertified and non-standardized products on the industry coherence leads to poor user experience

5.3.2.2 High cost of wireless power transmission technology-based devices

5.3.3 OPPORTUNITIES

5.3.3.1 Significant opportunities in industrial applications and robotics market

5.3.3.1.1 Wireless power transmission in robotics (drones)

5.3.3.2 Adoption of wireless power transmission technology for automotive and electric vehicle charging applications

5.3.3.2.1 Development of the wireless charging system by Korea Advanced Institute of Science and Technology

5.3.4 CHALLENGES

5.3.4.1 Tradeoff between transmission range, efficiency, and safety of the wireless power system

5.3.4.2 Lack of common standards at present

6 INDUSTRY TRENDS

6.1 INTRODUCTION

6.2 VALUE CHAIN ANALYSIS

6.3 KEY INNOVATORS

6.4 ANALYSIS OF FUTURE APPLICATIONS

6.5 WIRELESS POWER STANDARDS DEVELOPING ALLIANCES

6.5.1 WIRELESS POWER CONSORTIUM

6.5.2 AIRFUEL ALLIANCE

6.5.3 OPEN DOTS ALLIANCE

6.5.4 ADOPTION OF STANDARDS

6.6 PORTER'S FIVE FORCES MODEL

6.6.1 BARGAINING POWER OF SUPPLIERS

6.6.2 BARGAINING POWER OF BUYERS

6.6.3 INTENSITY OF COMPETITIVE RIVALRY

6.6.4 THREAT OF SUBSTITUTES

6.6.5 THREAT OF NEW ENTRANTS

6.7 PRICING ANALYSIS FOR WIRELESS POWER TRANSMITTER AND RECEIVER

6.8 KEY FUNDING AND INVESTMENTS IN THE WIRELESS POWER TRANSMISSION MARKET

7 WIRELESS POWER TRANSMISSION MARKET, BY TECHNOLOGY

7.1 INTRODUCTION

7.2 NEAR-FIELD TECHNOLOGIES

7.2.1 INDUCTIVE TECHNOLOGY

7.2.2 MAGNETIC RESONANCE TECHNOLOGIES

7.2.3 CAPACITIVE COUPLING/CONDUCTIVE

7.3 FAR-FIELD TECHNOLOGIES

7.3.1 MICROWAVE/RF

7.3.2 LASER/INFRARED

8 WIRELESS POWER TRANSMISSION MARKET, BY IMPLEMENTATION

8.1 INTRODUCTION

8.2 AFTERMARKET

8.3 INTEGRATED

9 WIRELESS POWER TRANSMISSION MARKET, BY RECEIVER APPLICATION

- 9.1 INTRODUCTION
- 9.2 SMARTPHONES
- 9.3 TABLETS
- 9.4 WEARABLE ELECTRONICS
- 9.5 NOTEBOOKS
- 9.6 OTHER CONSUMER ELECTRONICS
- 9.7 ELECTRICAL VEHICLE CHARGING
- 9.8 INDUSTRIAL

10 WIRELESS POWER TRANSMISSION MARKET, BY TRANSMITTER APPLICATION

- 10.1 INTRODUCTION
- 10.2 STANDALONE CHARGERS
- 10.3 AUTOMOTIVE (IN-VEHICLE CHARGING SYSTEM)
- 10.4 ELECTRIC VEHICLE CHARGING
- 10.5 FURNITURE
- 10.6 INDUSTRIAL

11 WIRELESS POWER TRANSMISSION MARKET, BY GEOGRAPHY

- 11.1 INTRODUCTION
- 11.2 NORTH AMERICA
 - 11.2.1 U.S.
 - 11.2.2 REST OF NORTH AMERICA
- 11.3 EUROPE
 - 11.3.1 U.K.
 - 11.3.2 GERMANY
 - 11.3.3 FRANCE
 - 11.3.4 REST OF EUROPE
- 11.4 ASIA PACIFIC (APAC)
 - 11.4.1 CHINA
 - 11.4.2 JAPAN
 - 11.4.3 SOUTH KOREA
 - 11.4.4 INDIA
 - 11.4.5 REST OF APAC
- 11.5 REST OF THE WORLD

11.5.1 MIDDLE EAST & AFRICA

11.5.2 SOUTH AMERICA

12 COMPETITIVE LANDSCAPE

12.1 OVERVIEW

12.2 MARKET RANKING ANALYSIS: WIRELESS POWER TRANSMISSION MARKET

12.3 COMPETITIVE SITUATIONS AND TRENDS

12.3.1 NEW PRODUCT LAUNCHES

12.3.2 PARTNERSHIPS, AGREEMENTS, COLLABORATIONS, AND CONTRACTS

13 COMPANY PROFILE

(Company at a Glance, Recent Financials, Products & Services, Strategies & Insights, & Recent Developments)*

13.1 INTEGRATED DEVICE TECHNOLOGY, INC.

13.2 QUALCOMM, INC.

13.3 SAMSUNG ELECTRONICS CO., LTD.

13.4 TDK CORPORATION

13.5 TEXAS INSTRUMENTS, INC.

13.6 NUCURRENT, INC.

13.7 POWERMAT TECHNOLOGIES, LTD.

13.8 POWERBYPROXI, LTD.

13.9 WITRICITY CORPORATION

13.10 CONVENIENTPOWER HK, LTD.

13.11 SALCOMP PLC

*Details on company at a glance, recent financials, products & services, strategies & insights, & recent developments might not be captured in case of unlisted companies.

14 STARTUP ECOSYSTEM

14.1 INTRODUCTION

14.2 OSSIA INC.

14.3 ENERGOUS CORPORATION

14.4 FULTON INNOVATION LLC

14.5 HUMAVOX LTD.

14.6 WI CHARGE LTD.

14.7 ENERGYSQUARE

15 APPENDIX

15.1 INSIGHTS OF INDUSTRY EXPERTS

15.2 DISCUSSION GUIDE FOR THE WIRELESS POWER TRANSMISSION (WPT) MARKET

15.3 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

15.4 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE

15.5 AVAILABLE CUSTOMIZATIONS

15.6 RELATED REPORTS

15.7 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

Table 1 WIRELESS POWER TRANSMISSION MARKET SEGMENTATION, BY TECHNOLOGY

Table 2 WIRELESS POWER TRANSMISSION MARKET SEGMENTATION, BY IMPLEMENTATION

Table 3 WIRELESS POWER TRANSMISSION MARKET SEGMENTATION, BY RECEIVER APPLICATION

Table 4 WIRELESS POWER TRANSMISSION MARKET SEGMENTATION, BY TRANSMITTER APPLICATION

Table 5 FUTURE APPLICATIONS IN WIRELESS POWER TRANSMISSION TECHNOLOGY

Table 6 LIST OF WPC MEMBERS

Table 7 LIST OF BOARD MEMBER COMPANIES

Table 8 PRICES OF DIFFERENT PRODUCTS BASED ON WIRELESS POWER TRANSMISSION TECHNOLOGY

Table 9 FUNDING AND INVESTMENTS INTO THE WIRELESS CHARGING MARKET

Table 10 WIRELESS POWER TRANSMISSION MARKET, BY TECHNOLOGY, 2014–2022 (USD MILLION)

Table 11 WIRELESS POWER TRANSMISSION MARKET FOR INDUCTIVE TECHNOLOGY, BY COMPONENT, 2014–2022 (USD MILLION)

Table 12 WIRELESS POWER TRANSMISSION MARKET FOR INDUCTIVE TECHNOLOGY, BY COMPONENT, 2014–2022 (MILLION UNITS)

Table 13 WIRELESS POWER TRANSMISSION MARKET FOR INDUCTIVE TECHNOLOGY, BY RECEIVER APPLICATION, 2014–2022 (USD MILLION)

Table 14 WIRELESS POWER TRANSMISSION MARKET FOR INDUCTIVE TECHNOLOGY, BY TRANSMITTER APPLICATION, 2014–2022 (USD MILLION)

Table 15 WIRELESS POWER TRANSMISSION MARKET FOR MAGNETIC RESONANCE TECHNOLOGY, BY COMPONENT, 2014–2022 (USD MILLION)

Table 16 MAGNETIC RESONANCE TECHNOLOGY MARKET, BY RECEIVER APPLICATION, 2014–2022 (USD MILLION)

Table 17 MAGNETIC RESONANCE TECHNOLOGY MARKET, BY TRANSMITTER APPLICATION, 2014–2022 (USD MILLION)

Table 18 WIRELESS POWER TRANSMISSION MARKET FOR INDUCTIVE TECHNOLOGY, BY IMPLEMENTATION, 2014–2022 (USD MILLION)

Table 19 INDUCTIVE WPT MARKET FOR AFTERMARKET SOLUTIONS, BY RECEIVER APPLICATION, 2014–2022 (USD MILLION)

Table 20 INDUCTION WPT MARKET FOR INTEGRATED IMPLEMENTATION, BY RECEIVER APPLICATION, 2014–2022 (USD MILLION)

Table 21 WIRELESS POWER TRANSMISSION MARKET FOR RECEIVER APPLICATIONS, BY TECHNOLOGY, 2014–2022 (USD MILLION)

Table 22 GLOBAL WIRELESS POWER TRANSMISSION MARKET, BY RECEIVER APPLICATION, 2014–2022 (USD MILLION)

Table 23 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET FOR RECEIVER APPLICATION, BY REGION, 2014–2022 (USD MILLION)

Table 24 WIRELESS POWER TRANSMISSION MARKET FOR SMARTPHONE RECEIVERS, BY TECHNOLOGY, 2014–2022 (USD MILLION)

Table 25 WIRELESS POWER TRANSMISSION MARKET FOR SMARTPHONE RECEIVERS, BY IMPLEMENTATION, 2014–2020 (USD MILLION)

Table 26 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET FOR SMARTPHONES RECEIVERS, BY REGION, 2014–2022 (USD MILLION)

Table 27 WIRELESS POWER TRANSMISSION MARKET FOR TABLET RECEIVERS, BY TECHNOLOGY, 2014–2022 (USD MILLION)

Table 28 WIRELESS POWER TRANSMISSION MARKET FOR TABLET RECEIVERS, BY IMPLEMENTATION, 2014–2022 (USD MILLION)

Table 29 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET FOR TABLET RECEIVERS, BY REGION, 2014–2022 (USD MILLION)

Table 30 WIRELESS POWER TRANSMISSION MARKET FOR WEARABLE ELECTRONIC RECEIVERS, BY TECHNOLOGY, 2014–2022 (USD MILLION)

Table 31 WIRELESS POWER TRANSMISSION MARKET FOR WEARABLE ELECTRONICS RECEIVERS, BY IMPLEMENTATION, 2014–2020 (USD MILLION)

Table 32 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET FOR WEARABLE ELECTRONICS RECEIVERS, BY REGION, 2014–2020 (USD MILLION)

Table 33 WIRELESS POWER TRANSMISSION MARKET FOR NOTEBOOK RECEIVERS, BY TECHNOLOGY, 2014–2022 (USD MILLION)

Table 34 WIRELESS POWER TRANSMISSION MARKET FOR NOTEBOOK RECEIVERS, BY IMPLEMENTATION, 2014–2022 (USD MILLION)

Table 35 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET FOR NOTEBOOKS RECEIVERS, BY REGION, 2014–2022 (USD MILLION)

Table 36 WIRELESS POWER TRANSMISSION MARKET FOR OTHER CONSUMER ELECTRONICS RECEIVERS, BY TECHNOLOGY, 2014–2022 (USD MILLION)

Table 37 WIRELESS POWER TRANSMISSION MARKET FOR OTHER CONSUMER ELECTRONICS RECEIVERS, BY IMPLEMENTATION, 2014–2022 (USD MILLION)

Table 38 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET FOR OTHER CONSUMER ELECTRONICS RECEIVERS, BY REGION, 2014–2022 (USD MILLION)

Table 39 WIRELESS POWER TRANSMISSION MARKET FOR ELECTRIC VEHICLE

RECEIVERS, BY TECHNOLOGY, 2014–2022 (USD MILLION)

Table 40 WIRELESS POWER TRANSMISSION MARKET FOR ELECTRIC VEHICLE
RECEIVERS, BY IMPLEMENTATION, 2014–2022 (USD MILLION)

Table 41 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET BY ELECTRIC
VEHICLE RECEIVERS, BY REGION, 2014–2022 (USD MILLION)

Table 42 WIRELESS POWER TRANSMISSION MARKET FOR INDUSTRIAL
RECEIVERS, BY TECHNOLOGY, 2014–2022 (USD MILLION)

Table 43 WIRELESS POWER TRANSMISSION MARKET FOR INDUSTRIAL
RECEIVERS, BY IMPLEMENTATION, 2014–2022 (USD MILLION)

Table 44 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET FOR
INDUSTRIAL RECEIVERS, BY REGION, 2014–2022 (USD MILLION)

Table 45 WIRELESS POWER TRANSMISSION MARKET FOR TRANSMITTER
APPLICATION, BY TECHNOLOGY, 2014–2022 (USD MILLION)

Table 46 WIRELESS POWER TRANSMISSION MARKET, BY TRANSMITTER
APPLICATION, 2014–2022 (USD MILLION)

Table 47 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET FOR
TRANSMITTER APPLICATIONS, BY REGION, 2014–2022 (USD MILLION)

Table 48 WIRELESS POWER TRANSMISSION MARKET FOR STANDALONE
CHARGERS, BY TECHNOLOGY, 2014–2022 (USD MILLION)

Table 49 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET FOR
STANDALONE CHARGERS, BY REGION, 2014–2022 (USD MILLION)

Table 50 WIRELESS POWER TRANSMISSION MARKET FOR AUTOMOTIVE
TRANSMITTERS, BY TECHNOLOGY, 2014–2022 (USD MILLION)

Table 51 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET FOR
AUTOMOTIVE TRANSMITTERS, BY REGION, 2014–2022 (USD MILLION)

Table 52 WIRELESS POWER TRANSMISSION MARKET FOR ELECTRIC VEHICLE
CHARGING TRANSMITTERS, BY TECHNOLOGY, 2014–2022 (USD MILLION)

Table 53 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET FOR
ELECTRIC VEHICLE CHARGING TRANSMITTERS, BY REGION, 2014–2022 (USD
MILLION)

Table 54 WIRELESS POWER TRANSMISSION MARKET FOR FURNITURE
TRANSMITTERS, BY TECHNOLOGY, 2014–2022 (USD MILLION)

Table 55 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET, FOR
FURNITURE TRANSMITTERS, BY REGION, 2014–2022 (USD MILLION)

Table 56 WIRELESS POWER TRANSMISSION MARKET FOR INDUSTRIAL
TRANSMITTERS, BY TECHNOLOGY, 2014–2022 (USD MILLION)

Table 57 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET FOR
INDUSTRIAL TRANSMITTERS, BY REGION, 2014–2022 (USD MILLION)

Table 58 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET, BY REGION,

2014–2022 (USD MILLION)

Table 59 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET IN NORTH AMERICA, BY RECEIVER APPLICATION, 2014–2022 (USD MILLION)

Table 60 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET IN NORTH AMERICA, BY TRANSMITTER APPLICATION, 2014–2022 (USD MILLION)

Table 61 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET IN NORTH AMERICA, BY COUNTRY, 2014–2022 (USD MILLION)

Table 62 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET IN EUROPE, BY RECEIVER APPLICATION, 2014–2022 (USD MILLION)

Table 63 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET IN EUROPE, BY TRANSMITTER APPLICATION, 2014–2022 (USD MILLION)

Table 64 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET IN EUROPE, BY COUNTRY, 2014–2022 (USD MILLION)

Table 65 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET IN APAC, BY RECEIVER APPLICATION, 2014–2022 (USD MILLION)

Table 66 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET IN APAC, BY TRANSMITTER APPLICATION, 2014–2022 (USD MILLION)

Table 67 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET IN APAC, BY COUNTRY, 2014–2022 (USD MILLION)

Table 68 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET IN ROW, BY REGION, 2014–2022 (USD MILLION)

Table 69 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET, BY RECEIVER APPLICATION, 2014–2022 (USD MILLION)

Table 70 INDUCTIVE WIRELESS POWER TRANSMISSION MARKET IN ROW, BY TRANSMITTER APPLICATION, 2014–2022 (USD MILLION)

Table 71 WIRELESS POWER TRANSMISSION MARKET RANKING ANALYSIS, BY KEY IC SUPPLIER, 2016

Table 72 NEW PRODUCT LAUNCHES, 2016–2017

Table 73 PARTNERSHIPS, AGREEMENTS, COLLABORATIONS, AND CONTRACTS 2016–2017

About

Wireless power technology is a rapidly growing market in the 21st century. The concept of wireless charging was introduced by Nikola Tesla in 1899 where he demonstrated transmission of XX million volts of electricity across 26 miles. Wireless power transmission uses electromagnetic induction, electromagnetic radiation, and electrical conduction, for the transfer of energy from the transmitter to the receiver. Electromagnetic induction is used for short range while electromagnetic radiation is used for long range wireless power transmission.

Experiments are going on for the development of such transmitting and receiving devices which can use solar energy from the space to fulfill the power requirements on earth. Companies, globally, have been collaborating to develop the standards of the wireless power products and devices. These standards will help in such a way that any wireless power enabled device can be charged using any other transmitting device, which was earlier possible only with the compatible transmitting device.

Development of wireless power technology will ensure that there is no further need to carry wired charging devices. It has been witnessing a majority of demand especially for the device which runs on batteries.

Feature mobile phone's battery operates for a longer duration; however, smart phone batteries operate for a lesser duration and, thus, require more frequent charging. This has led to the increase in the demand of the wireless power charging systems. Consumer electronics enjoy the majority of the demand, whereas other applications such as industrial, automotive (electric vehicle), healthcare, and defense, also require wireless power devices.

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