

Global Spectrum and Signal Analyzers Market Size study & Forecast, by Frequency Range (less than 6 GHz, 6-18 GHz, more than 18 GHz), by End-user Industry (IT & Telecommunication, Automotive, Aerospace & Defense, Healthcare), and Regional Analysis, 2022-2029

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Abstracts

The global Spectrum and Signal Analyzers Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than 8 % over the forecast period 2022-2029. A spectrum analyzer is a measuring instrument that displays an electrical signal according to its frequency. Each frequency component in the input signal is represented as a signal level corresponding to that frequency. The spectrum analyzer measures the amplitude of an input signal against frequency over the instrument's entire frequency range. The Spectrum and Signal Analyzers market is expanding because of factors such as the rising demand for automotive industry and rising demand for spectrum Analyzers with Multi-Tasking Capabilities.

According to the International Energy Agency in 2018, consumers' spending towards electric vehicles increased from USD 66 billion to USD 79 billion during 2018-2020. Also in 2020, consumers' spending towards electric vehicles reached around USD 119 billion. And, also according to Statista in 2021, the sales of Mercedes-Benz was around 2.2 million and Volkswagen was 1.7 million in 2020. The revenue generation in the Luxury Cars market segment is estimated to attain USD 21,778 million in 2022. Thus, with the rising automotive industry, the market is expected to grow. Whereas growing R&D activities by market players and technological advancements leading to innovation in Spectrum Analyzer offering create lucrative opportunities for the market. However, requirement for cost-effective Spectrum Analyzers with maximum features hampers the

market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Spectrum and Signal Analyzers Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. Asia Pacific dominated the market in terms of revenue, owing to the increasing demand for automotive sector, growing infrastructure, and expanding population across the region. Whereas the Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to factors such as increasing penetration of market players, increasing adoption by end-user industries and growing R&D activities in the forecast period.

Major market players included in this report are:

Keysight Technologies Inc.
Anritsu Corporation
Yokogawa Electric Corporation
National Instruments Corporation
B&K Precision Corporation
Rohde & Schwarz GmbH & Co.
Advantest Corporation
Teledyne Lecroy, Inc.
LP Technologies Inc.
Stanford Research Systems, Inc.

Recent Developments in the Market:

In September 2022, Siglent expanded its Performance Series with two new products. The first and second are the SSA5000A spectrum analyzer and the SSG5000A RF/MW signal generator, respectively. With these two new products, Siglents' RF portfolio now includes frequencies greater than 20 GHz.

In September 2022, Rohde & Schwarz introduced the R&S FSV and R&S FSVA signals, as well as spectrum analyzers. The R&S FSVA3050 and R&S FSV3050 models now have a frequency bandwidth of up to 50 GHz.

Global Spectrum and Signal Analyzers Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Frequency Range, End-user, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Frequency Range:

less than 6 GHz

6-18 GHz

more than 18 GHz

By End-user Industry:

IT & Telecommunication

Automotive

Aerospace & Defense

Healthcare

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
RoLA
Rest of the World

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