

Global RF Tunable Filter Market Size study, by Type (Band Pass and Band Reject), Tuning Mechanism (Mechanical, magnetic and Electronic), Tuning Component (DTC, SAW, and SMD Variant), End-Use (SDR, RF Amplifiers, and Radar Systems), Application (Aerospace & Defense, Smart Cities, Transportation, Energy & Power, Mining, Healthcare, TV white spaces) and Regional Forecasts 2021-2027

<https://marketpublishers.com/r/G26F25B6D576EN.html>

Date: November 2021

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G26F25B6D576EN

Abstracts

Global RF Tunable Filter Market is valued approximately USD 89 million in 2020 and is anticipated to grow with a healthy growth rate of more than 10.6 % over the forecast period 2021-2027. The most significant component of a wireless system is the RF (radio frequencies) tunable filter, which is designed to function on signals in the megahertz to gigahertz frequency range. The RF Tunable Filters market is expected to increase significantly throughout the forecast period, owing to rising demand for Smartphones, IoT, and military radar systems, as well as rising demand for smart TVs, computers, connected devices, and consumer electronics. Market expansion is expected to be fueled by rising demand for upgraded planes for both commercial and military applications. Increasing demand for RF tunable filters in transportation, logistics, and aerospace is expected to drive market growth for RF Tunable Filter from 2021 to 2027. For instance, Menlo Micro launched the MM6005 High-Power RF Filter in December 2020. This is aimed at UHF military bands all across the world. The RF front end's size, weight, and power performance have all been enhanced. Furthermore, it requires huge capital which hinders the global market during the forecasting years. Whereas, Telematics and infotainment equipment are in high demand in the automotive industry which creates opportunities for market players in forecasting years.

The main regions of Asia Pacific, North America, Europe, Latin America, and the Rest of the World are included in the geographical analysis of the worldwide RF Tunable Filter market. The RF tunable filter market in North America is dominating the market. Increased spending on defence equipment, the rapid commercialization of 5G networks, an increase in demand for communication devices such as smartphones, tablets, and Voice over IP (VoIP) equipment, and expanding data centre capacity are all contributing to the region's RF tunable filter market growth. Lightweight and narrow-band filters with low-loss and linear phase features are required for satellite-related applications, which will boost the market in this region even further.

Major market player included in this report are:

K&L Microwave

Analog Devices, Inc.

Benchmark Lark Technology

Pasternack

Smiths Interconnect

Anatech Electronics, Inc.

EXFO Inc.

Netcom, Inc.

Lorch Microwave

Pole/Zero Corporation

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 eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Mode of Operation offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Band Pass Filters

Band Reject Filters

By Tuning Mechanism:

Mechanical

Electronic

Magnetic

By Tuning Component:

Surface Acoustic Wave Filters

Varactor Diodes

MEMS Capacitors

Oscillator Filters

Digitally Tunable Capacitors

Surface-Mount Device (SMD) Variants

By End-use:

Handheld and Pocket Radios

Mobile Antennas

RF Amplifiers

Radar Systems

Software-Defined Radios

Avionics Communications Systems

Test and Measurement Instruments

By Application:

Aerospace & Defense

Smart Cities

Transportation

Energy & Power

Mining

Healthcare

TV white spaces

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
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019
Base year – 2020
Forecast period – 2021 to 2027

Target Audience of the Global RF Tunable Filter Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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