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Liquid Crystal (LC) Antenna Market by Type (Electronically Steered Phase Array Antenna, Metasurface-based Antenna)- Global Forecast to 2028

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Abstracts

The LC antenna market is projected to reach USD 12.3 million by 2028 from USD 9.1 million in 2023, at a CAGR of 6.2% from 2023 to 2028. The major factors driving the market growth of the LC antenna includes the growing deployment of LC antennas in 5G communications and in automotive sector. Moreover, continuous technological advancement in LC antennas is expected to provide several growth opportunities for market players in the LC antenna market.

Metasurface-based antennas is expected to account for the highest CAGR in LC antenna market during the forecast period

Metasurface-based antennas have a lower profile, simpler design and higher energy efficiency as compared to the electronically steered phased array antennas which makes them highly suitable for specific applications like beam scanning and syntetic-aperture radar (SAR) imaging. Therefore, the increasing integration of metasurface-based antennas in applications such as beam scanning and SAR imaging drives the market growth.

The break-up of profile of primary participants in the LC antenna market-

By Company Type: Tier 1 – 50%, Tier 2 – 30%, Tier 3 – 20%

By Designation Type: C Level – 35%, Director Level – 30% , Others – 35%

By Region Type: North America – 40%, Europe – 25%, Asia Pacific – 20%, Rest of the World (RoW) – 15%

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The major players of LC antenna market are Merck KGaA (Germany), Kymeta Corporation (US), ALCAN Systems GmbH i.L. (Germany), and Spatialite Antenna Systems (Latvia).

Research Coverage

The report segments the LC antenna market and forecasts its size based on type. The report also provides a comprehensive review of drivers, restraints, opportunities, and challenges influencing the market growth. The report also covers qualitative aspects in addition to the quantitative aspects of the market.

Reasons to buy the report:

The report will help the market leaders/new entrants in this market with information on the closest approximate revenues for the overall LC antenna market and related segments. This report will help stakeholders understand the competitive landscape and gain more insights to strengthen their position in the market and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Analysis of key drivers (growing adoption of LC antenna in satellite applications, Growing use of LC antennas in 5G communications and the increasing applications of LC antennas in automotive sector), restraints (limited frequency range of LC antennas), opportunities (growing deployment of LC antennas in IoT networks, growing deployment of LC antennas in aerospace applications), and challenges (performance limitations of LC antennas) influencing the growth of the LC antenna market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the LC antenna market.

Market Diversification: Exhaustive information about new products, recent developments, and investments in the LC antenna market

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Competitive Assessment: In-depth assessment of market shares, growth strategies and product offerings of leading players like are Merck KGaA (Germany), Kymeta Corporation (US), ALCAN Systems GmbH i.L. (Germany), and Spatialite Antenna Systems (Latvia).

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*Details on Business Overview, Products/Services/Solutions Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

9 APPENDIX

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