

# **North America Land Mobile Radio Market Forecast to 2030 - Regional Analysis - by Type (Handheld and In-Vehicle), Technology (Analog and Digital), Frequency (25 - 174 VHF, 200 - 512 UHF, and 700 MHz and Above), and Application (Commercial, Industrial, Public Safety & Government, and Military)**

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## **Abstracts**

The North America land mobile radio market was valued at US\$ 3,184.12 million in 2022 and is expected to reach US\$ 5,641.23 million by 2030; it is estimated to grow at a CAGR of 7.4% from 2022 to 2030.

### **Shift from Analog to Digital Radio Systems fuel the North America Land Mobile Radio Market**

Analog radio systems have been in the market for a long time and are still used in many applications. These devices only have voice communications and are also known as professional mobile radios or walkie-talkies. As technology emerged, the demand for a better radio system with data communication technology increased from public safety agencies. Customer choice is evolving away from analog LMR systems and toward advanced digital variations that allow both voice and data connections. These cutting-edge technologies improve signal coverage, speech quality, radio capacity, and battery life.

The digital radio systems technology provides voice as well as data communications for use by professionals in mission-critical operations for sharing videos or data and accessing intensive applications. Furthermore, digital radio systems provide several additional features over analog radio systems, such as better coverage, high battery life,

better connectivity, and data transmission. This is increasing the demand for digital radio systems as a replacement for their analog counterparts. Several organizations in the market provide digital radio systems confirming different standards for digital wireless communication technology, such as TETRA, DMR, and P25. Transitions from analog to digital radio systems are increasing the applications of radio systems, and as a result, it is driving the land radio mobile market.

## North America Land Mobile Radio Market Overview

The LMR market in North America has witnessed remarkable growth in recent years due to advancements in communication technology; the increasing need for reliable, secure, and efficient wireless communication systems across various sectors; and the rapid expansion of public safety and emergency services. Law enforcement agencies, fire departments, and emergency medical services use LMR systems for mission-critical operations, enabling real-time communication, seamless coordination, and enhanced situational awareness. Moreover, the LMR market has experienced significant growth in the commercial sector. Transportation, utilities, construction, and manufacturing have embraced LMR solutions to improve operational efficiency, productivity, and safety. These industries rely on LMR systems to connect workers across large sites, remote locations, or challenging environments, allowing them to communicate effectively and respond promptly to operational needs and emergencies. Thus, the adoption of LMR technology is increasing across various sectors in North America. Major cities such as the US, Canada, and Mexico have invested heavily in upgrading their public safety communication networks, opting for modern, digital LMR systems that offer enhanced coverage, interoperability, and data capabilities.

## North America Land Mobile Radio Market Revenue and Forecast to 2030 (US\$ Million)

### North America Land Mobile Radio Market Segmentation

The North America land mobile radio market is segmented based on type, technology, frequency, application, and country. Based on type, the North America land mobile radio market is bifurcated into handheld and In-vehicle. The handheld segment held a larger market share in 2022.

Based on technology, the North America land mobile radio market is bifurcated into analog and digital. The digital segment held a larger market share in 2022.

Based on frequency, the North America land mobile radio market is segmented into 25 -

174 VHF, 200 - 512 UHF, and 700 MHz and above. The 700 MHz and above segment held the largest market share in 2022.

Based on application, the North America land mobile radio market is segmented into commercial, industrial, public safety & government, and military. The public safety & government segment held the largest market share in 2022.

Based on country, the North America land mobile radio market is segmented into the US, Canada, and Mexico. The US dominated the North America land mobile radio market share in 2022.

Icom Inc, Sepura Ltd, BK Technologies Corp, Hytera Communications Corp Ltd, JVCKENWOOD Corp, L3Harris Technologies Inc, Motorola Solutions Inc, Tait Communications Ltd, and Thales SA are some of the leading players operating in the North America land mobile radio market.

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