

# **Asia Pacific 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 Asia Pacific land mobile radio market was valued at US\$ 1,467.98 million in 2022 and is expected to reach US\$ 3,562.59 million by 2030; it is estimated to grow at a CAGR of 11.7% from 2022 to 2030.

Growing Importance of Effective Critical Communication Operations fuel the Asia Pacific Land Mobile Radio Market

Land mobile radio (LMR) technology has evolved over time from traditional analog voice service (such as two-way communications) to complex systems with trunking and digital capabilities that enable features such as group calling, rapid voice call setup, high-quality audio, and guaranteed priority access to the end user. With an increase in crime, terrorism, and natural disasters, industries are required to adopt new technologies to enable rapid and effective real-time reaction. Effective communication is critical for public safety responders who must keep connected with one another at the control center while also acquiring situational information in real time when reacting to situations. To tackle critical communication operations, the LMR technology is witnessing advancements. For example, TETRA, the most widely used land mobile radio standard, has evolved and now it offers high spectrum efficiency and operates on a standardized spectrum. Tetra also includes exceptional vital communication characteristics such as security, a rapid call start-up time, a feature set for voice calls,

and high-speed data services. It is used in present and new market areas such as public safety and commercial applications. Furthermore, TETRA does not require broadband data. With increasing security threats and demands for greater efficiency, cross-agency coordination, and better information sharing, the development of efficient public safety communications networks has emerged as a top priority for organizations, thereby driving the Asia Pacific market for LMR technology.

## Asia Pacific Land Mobile Radio Market Overview

The demand for LMR is increasing rapidly in Asia Pacific. Technologically developed nations, such as China, Japan, South Korea, and Australia, have invested heavily in upgrading their communication infrastructure to enhance emergency response capabilities and support smart city initiatives. In May 2023, Fire and Rescue of New South Wales chose an integrated public safety technology suite of Motorola Solutions. Furthermore, advancements in digital technologies, such as integrating LMR with broadband networks, would create opportunities for the LMR market in Asia Pacific. Hybrid LMR systems that combine traditional narrowband communications with broadband data capabilities are gaining traction, enabling real-time data transmission, video streaming, and remote asset monitoring. Several countries in Asia Pacific are piloting projects that leverage this convergence, further boosting the market growth. Therefore, the land mobile radio market in Asia Pacific is witnessing substantial growth due to technological innovations, increased adoption across various sectors, and the integration of LMR with broadband networks. With governments and businesses recognizing the importance of secure and efficient communication, the demand for advanced LMR solutions is projected to propel in the future.

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

### Asia Pacific Land Mobile Radio Market Segmentation

The Asia Pacific land mobile radio market is segmented based on type, technology, frequency, application, and country. Based on type, the Asia Pacific 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 Asia Pacific land mobile radio market is bifurcated into analog and digital. The digital segment held a larger market share in 2022.

Based on frequency, the Asia Pacific 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 Asia Pacific 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 Asia Pacific land mobile radio market is segmented into Australia, China, India, Japan, South Korea, and the Rest of Asia Pacific. China dominated the Asia Pacific land mobile radio market share in 2022.

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

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