

# **G315 Plus Portable Broadcast Monitoring Receiver: Redefining New Standards for Broadcast Monitoring and Evaluation**

## **Doewe Technologies Application Notes-024-V1.0**

<https://www.doewe.com>

In today's rapidly evolving broadcast technology landscape, broadcast programs, as a cornerstone of the media field, continue to drive the vigorous development of China's radio and television industry, with their influence deeply rooted in our daily lives. To ensure broadcast programs maintain excellent quality in complex and changing transmission environments, the technical requirements for broadcast monitoring equipment are increasingly demanding. The G315 Plus Portable Broadcast Monitoring Receiver emerged precisely against this backdrop. With its outstanding performance and broad application potential, it has rapidly become a star product in the broadcast industry.



The G315 Plus, designed as a portable broadcast monitoring instrument for outdoor environments, integrates numerous advantages including high sensitivity, wide dynamic range, broad frequency coverage (9 kHz to 1800 MHz), and high cost-effectiveness. Its exceptional sensitivity ensures even the faintest broadcast signals are detectable, guaranteeing the comprehensiveness and accuracy of monitoring data. Simultaneously, its extensive frequency coverage meets the monitoring needs for various broadcast signals from low to high frequencies. Whether for traditional broadcast bands or emerging digital broadcast bands, the G315 Plus handles them with

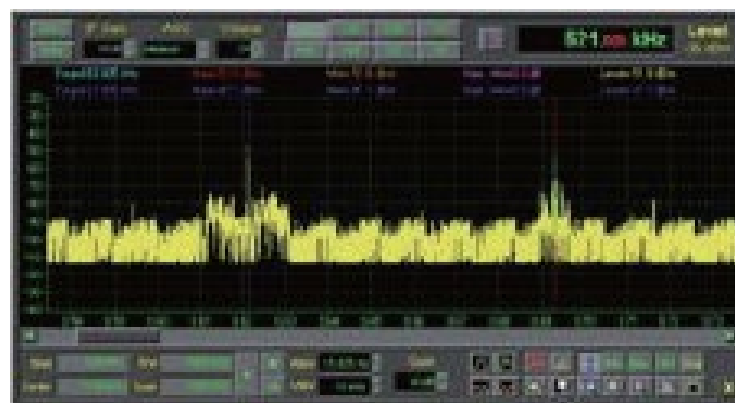
case.



## Software-Defined Design, Flexible Adaptation to Change

### Real-Time Spectrum Analysis, Precisely Grasping Signal Status

The G315 Plus is also equipped with real-time spectrum analysis capabilities. It can visually display highly sensitive signal levels and supports multiple unit displays (such as dBm,  $\mu$ V, or field strength levels), providing operators with rich signal information. Combined with its powerful internal spurious interference rejection capability, the G315 Plus ensures the purity and accuracy of monitored signals, offering users more reliable decision-making basis.



### Multi-Functional Applications, Meeting Diverse Needs

Beyond the core functionalities mentioned above, the G315 Plus is equipped with abundant application software and practical tools. It supports multiple modulation

modes (AM, AMS, LSB, USB, etc.) and features audio and Intermediate Frequency (IF) recording and playback functions, facilitating subsequent analysis and processing for users. Furthermore, the inclusion of customized monitoring and scoring software enables simultaneous signal monitoring/evaluation and broadcast quality scoring, greatly enhancing work efficiency. Additionally, frequency switching alerts and anomaly notification functions further improve the user experience.



**Wide Range of Application Scenarios, Showcasing Infinite Possibilities**