

Research on some methods to reduce the impact of interference in the DVB_S2 system

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Abstract: This topic focuses on researching and applying noise reduction methods in the DVB_S2 digital transmission system. The practical context shows that improving signal quality is necessary to enhance the performance of digital television systems. The objective of the topic is to build a comprehensive solution, combining both theoretical and experimental methods, to minimize the impact of noise on broadcast quality. The research methodology includes evaluating existing methods, implementing tests on a real system, and analyzing effectiveness. This topic not only contributes to the understanding of DVB_S2 technology but also brings practical application value in digital television.

Keywords: Noise reduction, DVB_S2, Digital transmission system