

# **Research on some methods to reduce the impact of interference in the DVB\_T2 system**

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**Abstract:** This topic focuses on analyzing and researching effective noise reduction methods for the DVB-T2 broadcasting system. The practical context requires improving the transmission quality of digital TV signals to meet increasing usage demands. The objective of the topic is to develop and implement a number of optimized noise reduction solutions, based on a combination of theoretical research and experimentation. Through this research process, it is hoped to contribute to the technical improvement of digital TV transmission, aiming to enhance service quality and meet the growing needs of users.

**Keywords:** DVB\_T2, Noise reduction, Transmission technique, Experiment