

THE CHARACTERISTICS OF ENERGETICAL DETECTION OF AN UNKNOWN RADIO SIGNALS WITH THE LICHTER'S NOISE BACKGROUND.

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The analysis of energetical detection operation in case of non-Gauss noise is carried out. The analytical expression of the probability of the correct detection and false alarm based upon the samples method when receiving unknown signals with Lichter's noise background with constant spectral power density within the limits of the low-pass filter's transmission band are received. The conclusions about the impact of the Lichter's noise model parameters upon the statistics are made.