THE COMPLEX ANALYSIS OF A NOISE STABILITY OF MULTIFREQUENCY SIGNALS COFDM WITH FREQUENCY MODULATION

Rodionov A.J., Statcenko L.G.

In article problems of multi-frequency digital systems of communication are considered. The basic problem of multi-frequency signals is the large value Peak-to-Average Power Ratio (PAPR), lowering a power system effectiveness, and also effect of infringement of orthogonality subcarrier frequencies in multi-path Rayleigh channels. The author considers the decisions allowing not only to reduce PAPR of a signal, raising, thus, a power system effectiveness but also to resolve a problem multi-path Rayleigh fading for a multi-frequency signal.