

Survey of the effect of high-power amplifiers on OFDM multi-carrier systems

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Abstract: This topic focuses on investigating the influence of high-power amplifiers (HPA) on the performance of transmission systems using OFDM technology. The objective is to identify potential challenges and propose solutions to improve performance for systems using HPA in multi-carrier communications. The research methodology includes theoretical and experimental analysis, aiming to provide a comprehensive perspective on the application of HPA in OFDM. The expected outcome is to provide an important scientific basis for optimizing communication performance for future systems.

Keywords: OFDM, high power amplifier, performance improvement