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System engineering modeling of the broadcasting path with frequency pre-emphasis.

Part 1: Prerequisites for modeling and device description 15

***Abstract***

***The first part of the article is devoted to the analysis of the prerequisites for modeling a noise reduction system used in broadcasting and based on introducing frequency predistortions into the spectrum of the transmitted signal with their subsequent exclusion on the receiving side in order to reduce the influence of high-frequency channel interference on sound quality. A scheme of a device simulating a two-channel broadcasting path with frequency predistortions at the level of functional blocks is proposed, a detailed description of the operation of the device is given.***

***References***

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