

Title (en)

METHOD FOR THE SIMULTANEOUS TRANSMISSION OF DIGITAL DATA SIGNALS IN BAND-LIMITED TRANSMISSION CHANNELS

Publication

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Application

EP 89107860 A 19890429

Priority

DE 3838228 A 19881111

Abstract (en)

[origin: EP0367896A2] The invention relates to a method for the simultaneous transmission of digital data signals in band-limited transmission channels. In the method, the data signals are rounded off before the transmission in order to achieve an adequate minimum signal/noise ratio between data signals and the other signals to be transmitted. The curve shapes for rounded-off data signals according to the invention are more severely band-limited (approximately 80 %) than the corresponding EBU curve shape for FM-RDS. The time functions of the rounded-off data signal sequences do not exhibit any saddles. The advantages of the method according to the invention consist, above all, a) in the minimum PM -> AM conversion, b) in the minimum bandwidth (referred to the data rate) and c) in the very good eye pattern. <IMAGE>

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H04H 1/00

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CPC (source: EP)

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Citation (search report)

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- [A] IEEE TRANS. ON COMMUNICATIONS, Band COM-28, Nr. 6, Juni 1980, Seiten 889-897, IEEE, NY, US; H. YAZDANI et al.: "Constant envelope bandlimited BPSK signal"

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