Abstract

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"Multiple carrier CDMA telecommunication systems for variable bit-rate multi-user transmission over low orbit satellite channels"

The task of this thesis is the evaluation of the performances of Multiple Carrier - Code Division Multiple Access (McCdma) techniques applied in a telecommunication system between ground mobile terminals and a non-geostationary satellite for multimedia applications. McCdma is a modern digital modulation technique that can be considered a good method for network multiple access: each user take advantage of the same set of subcarriers but has a different code that is orthogonal to the other users codes