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Abstract

In this paper, we will discuss the DVB-SH standard and address the need for mobile TV reception via satellite. The advantage of a satellite based mobile TV service compared to terrestrial based mobile TV service is emphasized in this paper. The technical challenges of a satellite based mobile television reception technology are addressed. The salient features of the DVB-SH standard have been discussed and the features, which make the standard appropriate for mobile satellite networks, have been explained. Mobile Satellite Network requirements and how well DVB-SH handles those issues have been discussed. The paper also discusses the ongoing work in DVB-SH standard along with the inferences achieved from these experiments.

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Index Terms

Computer Science

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Keywords

DVB-SH

DVB-H

DMB-T

ISDB-T

S-DMB

CMMB

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MPE-FEC

Turbo Codes

