

Abstracts

What's Behind DBS Services: MMIC Technology and MPEG Digital Video Compression

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This paper discusses recent developments in Direct-Broadcast Satellite (DBS) television systems, and specifically how these developments are implemented using today's MMIC technology. A brief review of Raytheon's experience in supplying low cost GaAs devices to the commercial DBS market place included. A description of a dual-channel downconverter is provided as an example of applying GaAs MMIC technology to the advanced technical needs of the DBS market. A discussion of the MPEG-2 digital compression standard and its relationship to DBS is also included.

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