

Abstracts

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

P.M. Bacon and E. Filtzer. "What's Behind DBS Services: MMIC Technology and MPEG Digital Video Compression." 1995 Transactions on Microwave Theory and Techniques 43.7 (Jul. 1995, Part II [T-MTT] (Special Issue on Emerging Commercial and Consumer Circuits, Systems, and Their Applications)): 1680-1685.

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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