

Abstracts

Design Optimization of a Satellite Communications Subsystem

A.B. Bell, L.A. Keyes, C.K. Mok and A.R. Raab. "Design Optimization of a Satellite Communications Subsystem." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 251-253.

This paper covers technology and design features used in current satellite communications subsystems to improve weight, size and performance. Low-noise receivers in MIC form, lightweighted multiplexer, solid-state power amplifiers and antennas with beam shaping and capable of polarization frequency reuse are discussed.

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