

Abstracts

Fiberoptic Based Recirculating Memory Loop

R. Saedi, A. Daryoush and P. Herczfeld. "Fiberoptic Based Recirculating Memory Loop." 1992 MTT-S International Microwave Symposium Digest 92.2 (1992 Vol. II [MWSYM]): 677-680.

This paper presents the analysis and experimental results of a recirculating memory loop operating over 2-4GHz with delays up to millisecond using an adaptive gain equalizing technique. The effect of the number of recirculation on the fidelity of the coded microwave signals is studied. The spectral purity characteristic of recirculated signals are quantified for various recirculation times.

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