

Abstracts

Optical Frequency Modulation Link for Microwave Signal Transmission

B. Cai and A.J. Seeds. "Optical Frequency Modulation Link for Microwave Signal Transmission." 1994 MTT-S International Microwave Symposium Digest 94.1 (1994 Vol. I [MWSYM]): 163-166.

The first theoretical analysis and experimental realisation of an optical frequency modulation link working at microwave frequencies is reported. Advantages over conventional optical intensity modulation links in terms of reduced effects of fibre non-linearity, facilitation of multi-channel operation and bandwidth/signal to noise ratio trade-offs are identified theoretically, and results from an experimental demonstrator are presented.

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