

Abstracts

Novel Fiber Optic BPSK and QPSK Modulation Links

H. Ogawa, K. Horikawa and Y. Nakasuka. "Novel Fiber Optic BPSK and QPSK Modulation Links." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 1113-1116.

This paper proposes novel fiber optic BPSK and QPSK modulation links that use various combinations of optical sources, photodetectors, optical modulators, microwave hybrid circuits and microwave switches. Two BPSK modulation links, one consisting of two laser diodes (LDs) and two photodetectors (PDs), and the other two PDs and two external optical modulators (EOMs) are developed. One BPSK link is experimentally investigated and good performance is obtained. The configurations of two QPSK modulation links are also described.

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