

Abstracts

High-Speed QPSK Modulator and Demodulator with Subharmonic Pumping (1988 Vol. II [MWSYM])

R. Trambarulo, M.V. Schneider and M.J. Gans. "High-Speed QPSK Modulator and Demodulator with Subharmonic Pumping (1988 Vol. II [MWSYM])." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 857-859.

A high-speed QPSK modulator and demodulator are described. Both units are pumped with a common 6.5 GHz local oscillator giving a modulated carrier at 13 GHz. Data can be transmitted and recovered at speeds up to a total information rate of 3.6 Gbit/s with errors less than 10⁻¹¹.

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