

Abstracts

Two Gbps QPSK Modem

G.S. Des Brisay, Jr., D.F. Horwood and G.E. Lee. "Two Gbps QPSK Modem." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 522-524.

A 2 Gbps QPSK modulator and demodulator were developed and BER performance was evaluated over a millimeter wave data channel. The error rate measurements taken with the breadboard equipment showed system performance to be less than 2 dB from theoretical at an error rate of 10^{-5} . Additionally, a second QPSK modulator was constructed and combined with the first to generate 4 Gbps QASK data for future evaluation.

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