

# Abstracts

## High Data-Rate Solid-State Millimeter-Wave Transmitter Module

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Y.-W. Chang, H.J. Kuno and D.L. English. "High Data-Rate Solid-State Millimeter-Wave Transmitter Module." 1975 *Transactions on Microwave Theory and Techniques* 23.6 (Jun. 1975 [T-MTT]): 470-477.

This paper describes a solid-state millimeter-wave transmitter module consisting of an IMPATT oscillator, p-i-n quadri-phase modulator, and a three-stage IMPATT amplifier. The module has been operated up to 4-Gbits/s modulation rate with 500-mW output power in the 60-GHz range.

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