

# Abstracts

## Microstrip Varactor-Tuned Millimeter-Wave Transmitter (Letters)

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*B.S. Glance. "Microstrip Varactor-Tuned Millimeter-Wave Transmitter (Letters)." 1976 Transactions on Microwave Theory and Techniques 24.3 (Mar. 1976 [T-MTT]): 156-157.*

A 60-GHz varactor-tuned microstrip oscillator intended for use in a millimeter-wave radio relay experiment has been designed and tested. The output power of the transmitter is  $110 \pm 15$  mW from 58.5 to 60.1 GHz. The oscillator can be frequency-shift keyed (FSK) at a rate up to 200 Mbit/s. The rms FM noise of about  $400 \text{ Hz}/(\text{kHz})^{1/2}$  meets the required system specifications.

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