

# Abstracts

## Wide-Band Varactor-Tuned X-Band Gunn Oscillators in Full-Height Waveguide Cavity (Short Papers)

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J.S. Joshi. "Wide-Band Varactor-Tuned X-Band Gunn Oscillators in Full-Height Waveguide Cavity (Short Papers)." 1973 *Transactions on Microwave Theory and Techniques* 21.3 (Mar. 1973 [T-MTT]): 137-139.

Some results on X-band varactor-tuned Gunn oscillators in a full-height waveguide cavity are presented. It is shown that it is possible to obtain an electronic tuning range of over 1 GHz at X band with an appreciable output power level, which is also nearly constant with frequency. Results of FM noise measurements on one such oscillator are also reported.

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