

# Abstracts

## A low-power X-band frequency synthesizer module

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*T. Nakagawa, H. Okazaki and Y. Yamaguchi. "A low-power X-band frequency synthesizer module." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1209-1212.*

This paper describes an X-band frequency synthesizer that features low power consumption. To save power and reduce cost, new MMIC's were developed and combined with commercially available components. With +10 dBm output, the power consumption is 270 mW, the lowest ever reported for X-band synthesizers.

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