

# Abstracts

## Frequency Multiplication by a Prime Number Using Multiplier Chains

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*A.I. Grayzel and W. Emswiler. "Frequency Multiplication by a Prime Number Using Multiplier Chains." 1978 MTT-S International Microwave Symposium Digest 78.1 (1978 [MWSYM]): 321-322.*

This paper describes the design of varactor frequency multiplier chains for frequency multiplication by a prime number. The design and performance of a times-eleven and times-nineteen frequency multiplier is presented. The use of this configuration for a times-fourteen multiplier is also presented.

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