

# Abstracts

## Surface Elastic Wave Bandpass Filters for Frequency Synthesis (Short Papers)

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*F.S. Hickernell, A.J. Kline, D.E. Allen and W.C. Brown. "Surface Elastic Wave Bandpass Filters for Frequency Synthesis (Short Papers)." 1973 Transactions on Microwave Theory and Techniques 21.4 (Apr. 1973 [T-MTT] (Special Issue on Microwave Acoustic Signal Processing)): 300-302.*

Surface elastic wave bandpass filter techniques have been applied to the development of a minaturized frequency synthesizer for satellite communications systems. A bandpass filter centered at 247 MHz has been developed exhibiting less than 7-dB insertion loss over a 6-MHz 1-dB band, with sidelobe rejection greater than 45 dB.

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