

Abstracts

A MM-Wave Frequency Divider

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At lower GHz frequencies, frequency dividers are widely used - in conjunction with PLL circuits - for frequency stabilization. This was, up to now, difficult for mm-wave frequencies. This paper presents, for the first time, a mm-wave frequency divider with a division ratio sufficiently high (e.g. 8) so that digital dividers can be used next. The mm-wave divider is based on a combination of analogue and digital components, and it may easily be realized using (monolithically) integrated circuits.

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