

# Abstracts

## 48/24 GHz and 20/10 GHz Regenerative Frequency Dividers

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*I. Angelov, H. Zirath, N. Rorsman and C. Karlsson. "48/24 GHz and 20/10 GHz Regenerative Frequency Dividers." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 971-974.*

Low power regenerative frequency dividers have been designed and experimentally evaluated. The dividers consist of a resistive FET (HEMT) mixer, bandpass filters and an amplifier.

Experimental verification of the dividers at 48/24 GHz and 20/10 GHz shows that stable division in a bandwidth of 3-5% can easily be obtained. This is, to our knowledge, the highest frequency of operation of such type of dividers.

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