

Abstracts

A 14.5 GHz, 0.35 μ m frequency divider for dual-modulus prescaler

E. Tournier, M. Sie and J. Graffeuil. "A 14.5 GHz, 0.35 μ m frequency divider for dual-modulus prescaler." 2002 Radio Frequency Integrated Circuits (RFIC) Symposium 02. (2002 [RFIC]): 227-230.

This paper reports on structures of frequency divider to be used in the first stage of a dual modulus prescaler. A divider by 2, the prescaler elementary cell, has been designed and characterized. A 4/5 divider is presented as a natural extension of the divider by 2. A first realization has been characterized. We show that an asynchronous structure can overcome the synchronous structure frequency limitations.

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