

Abstracts

A fast frequency switching synthesizer with an integration circuit

H. Nosaka, T. Nakagawa and A. Yamagishi. "A fast frequency switching synthesizer with an integration circuit." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1839-1842.

A new type of direct frequency synthesizer which can complete frequency switching in less than a microsecond is proposed. This yields low-spurious outputs by low-power analog integration circuit whose operating principle is similar to a digital accumulator. Experimental results confirm successful frequency synthesizer operation.

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