

Abstracts

Parametric Frequency Multiplication and Level Control in Broadband Microwave Signal Source

Y.D. Kim and R.E. Kmetovicz. "Parametric Frequency Multiplication and Level Control in Broadband Microwave Signal Source." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 83-86.

A frequency multiplier, formed from a step recovery diode and coupled to a YIG filter, is utilized to multiply a synthesized 2-6.2 GHz in-coming signal by factors of 1, 2, and 3 while simultaneously filtering the selected harmonic to generate a 2-1 8.6 GHz output.

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