

Abstracts

A Frequency Conversion Scheme for an Advanced Portable Microwave Spectrum Analyzer

T. Hill and L. Lockwood. "A Frequency Conversion Scheme for an Advanced Portable Microwave Spectrum Analyzer." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. 1 [MWSYM]): 447-450.

A block diagram is described with an unusually high frequency IF system resulting in a high performance spectrum analyzer. The phase noise and short term frequency stability are not seriously degraded and the sensitivity is enhanced at high center frequencies. This technique also has applications in modern receivers.

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