

Abstracts

Wideband Integrated Varactor - Tunable Active Notch Antennas and Power Combiners

J.A. Navarro, Y.-H. Shu and K. Chang. "Wideband Integrated Varactor - Tunable Active Notch Antennas and Power Combiners." 1991 MTT-S International Microwave Symposium Digest 91.3 (1991 Vol. III [MWSYM]): 1257-1260.

A Gunn device in a varactor tuned slotline-coplanar waveguide (CPW) resonator has been integrated with a planar, end re notch antenna. The varactor provides more than 14 percent tuning bandwidth centered at 9.6 GHz with a power output of 14.5 ± 0.8 dBm. Wideband tunable quasi-optical power combiners have also been developed using these active elements.

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