

Abstracts

Broadband power amplifier integrated with slot antenna and novel harmonic tuning structure

V. Radisic, Yongxi Qian and T. Itoh. "Broadband power amplifier integrated with slot antenna and novel harmonic tuning structure." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1895-1898.

A high efficiency class-AB GaAs FET power amplifier integrated with a slot antenna has been designed and fabricated. Broadband second harmonic tuning was achieved using a microstrip line with a periodically etched ground plane. Power-added efficiency greater than 50% was achieved in the 3.7-4.0 GHz bandwidth.

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