

Abstracts

A high efficiency slot antenna push-pull power amplifier

W.R. Deal, V. Radisic, Yongxi Qian and T. Itoh. "A high efficiency slot antenna push-pull power amplifier." 1999 MTT-S International Microwave Symposium Digest 99.2 (1999 Vol. II [MWSYM]): 659-662 vol.2.

The integrated antenna concept is applied to the push-pull amplifier. A dual-feed slot antenna is used as a compact and efficient combiner for the fundamental and tuned load for harmonics. Maximum PAE of 63%, PAE greater than 55% over an 8% bandwidth and good linearity with CDMA modulation is obtained.

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