Abstracts

An X-Band High-Efficiency Ion-Implanted MMIC Power Amplifier (1991 Vol. I [MWSYM])

H. Le, Y.C. Shih, Y. Hwang, T. Chi, K. Kasel and D.C. Wang. "An X-Band High-Efficiency Ion-Implanted MMIC Power Amplifier (1991 Vol. I [MWSYM])." 1991 MTT-S International Microwave Symposium Digest 91.1 (1991 Vol. I [MWSYM]): 323-325.

A state-of-the-art X-band high efficiency monolithic power amplifier has been demonstrated. An average output power of 3.6 Watts at an average 41% power-added efficiency over a 40% bandwidth from 7.0 to 10.5 GHz has been achieved. An excellent average power density of 500 mW/mm and peak power density of 550 mW/mm has been measured across this bandwidth.

❑ Return to main document.