

Abstracts

35% PAE 6 W Ku-band power amplifier module

A. Ishimaru, M. Maeda, T. Yoshida, J. Ozaki and S. Kamihashi. "35% PAE 6 W Ku-band power amplifier module." 1999 MTT-S International Microwave Symposium Digest 99.3 (1999 Vol. III [MWSYM]): 955-958 vol.3.

Power amplifiers with 6 W output power in Ku- and X-band are demonstrated. The amplifier is a miniaturized hybrid module consisting of an MMIC and an internally matched FET which employs a DH-HEMT device technology. The amplifiers have exhibited PAEs of 35% and 45% in Ku and X bands.

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