

Abstracts

GaAs FET Linear Power Amplifiers for 16 QAM Signals at 6 and 11 GHz

A. Barzaghi, F. Oggionni and G. Pratesi. "GaAs FET Linear Power Amplifiers for 16 QAM Signals at 6 and 11 GHz." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 340-342.

This paper describes design and realisation criteria for linear power amplifiers used in novel 16 QAM radio link systems. The 6.4-7.1 GHz amplifiers use 6 cascaded stages and perform a .9 W mean output power with a 42 dB linear gain and -37 dBc 3rd order IM. The 10.7-11.7 GHz version uses 8 cascaded stages to perform a .5 W mean output power with the same distortion value.

[Return to main document.](#)