Abstracts

A 20 GHz Doherty power amplifier MMIC with high efficiency and low distortion designed for broad band digital communication systems

C.P. McCarroll, G.D. Alley, S. Yates and R. Matreci. "A 20 GHz Doherty power amplifier MMIC with high efficiency and low distortion designed for broad band digital communication systems." 2000 MTT-S International Microwave Symposium Digest 00.1 (2000 Vol. I [MWSYM]): 537-540.

The design of an 18.8 GHz to 20.2 GHz GaAs PHEMT Doherty amplifier is described. Tested performance of this amplifier is presented including single tone performance and NPR performance with a broadband waveform. The broadband waveform is a digitally generated, 500 MHz, noise like signal. This broadband 500 MHz NPR test is described and is a new capability setup for testing broadband communication power amplifiers.

❑ Return to main document.