

Abstracts

GaAs ICs for 5 GHz Microwave Landing System Front-End (1992 [MCS])

J.L. De Gouy, P.H. Boutigny, P. Jean and A. Grancher. "GaAs ICs for 5 GHz Microwave Landing System Front-End (1992 [MCS])." 1992 Microwave and Millimeter-Wave Monolithic Circuits Symposium Digest 92.1 (1992 [MCS]): 193-196.

The full integration of the 5 GHz front-end of MLS (Microwave Landing System) equipment shows the maturity of the GaAs ASIC design. All the different functions as amplifiers, switches, oscillators, mixers have been integrated as well as digital functions needed for fractional divider frequency synthesis. All the designed ASICs fully comply with specifications and allow the equipment to run in a military environment. The results in terms of spectral purity are very satisfactory.

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