

Abstracts

A Solid State, X-Band, Exciter/Local Oscillator/Down Converter Subsystem for an Airborne, Coherent Radar Fire Control System

J.B. Vuong, G. Keogh, A.M. Madni and L.A. Wan. "A Solid State, X-Band, Exciter/Local Oscillator/Down Converter Subsystem for an Airborne, Coherent Radar Fire Control System." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 161-163.

A "state-of-the-art", low cost, lightweight Exciter/Local Oscillator/Down Converter (EX/LO/DC) subsystem is presented for use in airborne applications. It plays a triple role of providing TWT excitation, local oscillator drive and dual channel RF-IF conversion. The overall subsystem design together with experimental results is presented.

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