

Abstracts

Phase Control in Injection Locked Microstrip Active Antennas

P.S. Hall, I.L. Morrow, P.M. Haskins and J.S. Dahle. "Phase Control in Injection Locked Microstrip Active Antennas." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 1227-1230.

This paper describes experimental and theoretical investigations of active antennas using injection locking techniques to achieve phase control. We present a polarisation agile active antenna capable of selectively radiating circular or linearly polarised radiation and discuss oscillator instability considerations and initial results of active mutual coupling analysis that are applicable to this antenna and a recently published active patch scanned array.

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