

Abstracts

A novel RF to baseband monolithic microwave receiver with on-chip tuning

L.A. Geis, M.A. Wyatt and D. Starratt. "A novel RF to baseband monolithic microwave receiver with on-chip tuning." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1151-1154.

A novel single-chip monolithic microwave receiver on silicon with integrated high Q inductors and laser-trimmable capacitors and resistors is presented. All functions, including some elementary mixed signal circuitry, necessary to demodulate a 1.5 GHz signal and convert it to baseband digital data are described.

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