

Highly Integrated Single Package Monolithic VCO/Up-Converter for Digital Microwave Radio Systems

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It is shown that with state-of-the-art microwave CAD and enhanced active and passive modelling, the concept of a highly integrated low cost macro-function inside a single package can be successfully extended up to microwave frequencies. Simulated and measured results are presented on three integrated VCO/frequency up-converters designed and fabricated at C-, X- and Ku-band frequencies.

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