

Application of electric and electronic engineering to microwave ultra-stable signals and their distribution and characterization

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Abstract: Electric and electronic engineering is a wide field of research. We focus here on researches led on resonators and oscillators, signal characterization, wave propagation and distribution of signals. There is a need for temperature control to minimize the influence of thermal variation on frequency stability. Electronic development are also necessary to ensure frequency characterization of delivered signals and various devices such as amplifiers. Typical applications are in aerospace, automotive, energy and telecommunications.