

SECURE VHF/UHF COMMUNICATION USING CHAOS SIGNAL GENERATOR

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ABSTRACT

The nonlinear phenomenon is the complex, random-like behaviour, which is being addressed in various fields of research in communication. In this paper we use to prove the harness effects of chaotic signals in Aerospace Communication and apply them to ground to air Communication in VHF/UHF band. Some of the most promising issues involve privacy and security for processing communication signals. There are also potential applications involving military, radar and sonar with important implications for addressing such challenges as urban warfare and the remote detection of improvised explosive devices and suicide bombers. This practice is evolving on many fronts and levels, reaching a state of maturity where it can be applied to real-world problems.

KEYWORDS: Chaos, Nonlinear, Synchronization