

Abstracts

State-Preserving Intermittently Locked Loop (SPILL) Frequency Synthesizer for Portable Radio (Comments and Reply)

D.V. Thiel and S. Saito. "State-Preserving Intermittently Locked Loop (SPILL) Frequency Synthesizer for Portable Radio (Comments and Reply)." 1990 Transactions on Microwave Theory and Techniques 38.10 (Oct. 1990 [T-MTT]): 1532-1532.

This paper describes an interesting technique for reducing the power required to sustain a phase locked loop based frequency synthesizer. The technique adopted is to dramatically reduce the lock in time of the phase locked loop by resetting the programmable counter and prescaler in the feedback path of the loop.

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