Abstract

In this work, a review has been presented on filter designs based on microstrip technology with the implementation of metamaterials. It briefly describes the properties of various types of resonators that behave as Left handed materials. Some of the implications of SRRs, CSRRs and other structures in filter design have also been discussed.

References

- M. Gil, J. Bonache, I. Gil, J. García-García, F. Martín, "Miniaturization of planar microwave circuits by using resonant-type left handed transmission lines", IET Microwave
- Shelby, RA; Smith, DR; Schultz, S; Smith D. R; Shultz S. , "Experimental Verification of a Negative Index of Refraction", Science 292 (5514)(2001) 77.
- J. Lezec, Henri; Jennifer A. Dionne, Harry A. Atwater, Frequencies", Science 316
Review of Metamaterials in Microstrip Technology for Filter Applications

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