

Abstracts

Modified conductor loaded cavity resonator with improved spurious performance

H. Salehi, R.R. Mansour and V. Dokas. "Modified conductor loaded cavity resonator with improved spurious performance." 2001 MTT-S International Microwave Symposium Digest 01.3 (2001 Vol. III [MWSYM]): 1779-1782 vol.3.

The paper introduces a new resonator configuration to realize conductor-loaded cavity filters with improved spurious performance. Theoretical results are presented for the field distribution and resonant frequencies of the proposed structure. The results show that shaping the metal resonator inside the cavity can considerably improve its spurious performance. Experimental results are presented to verify the concept presented in this paper.

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