

Abstracts

Modular design of SAR electronics (Dec. 1999 [T-MTT])

F.A. Petz, J. Rosello-Guasch, C. Mavrocordatos and C.V. Narasimha Rao. "Modular design of SAR electronics (Dec. 1999 [T-MTT])." 1999 Transactions on Microwave Theory and Techniques 47.12 (Dec. 1999 [T-MTT] (Special Issue on 1999 International Microwave Symposium)): 2220-2227.

To achieve better balance between investment and return, the development of more generally applicable technologies (generic, modular, multifunctional) or the application of the proven off-the-shelf technologies are the key issues. Besides cost-effective design and manufacturing, the competitiveness can be significantly improved with a wider applicability of the technology. This paper discusses the modular design approach and the implementation-related aspects of a multifrequency multimode high-resolution synthetic-aperture-radar system.

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