

Abstracts

Scattering Parameters Measurement of a Nonreciprocal Coupling Structure (Reply to Comments)

C. Vittoria. "Scattering Parameters Measurement of a Nonreciprocal Coupling Structure (Reply to Comments)." 1994 Transactions on Microwave Theory and Techniques 42.5 (May 1994 [T-MTT]): 924-924.

Matrices (1), (3), and (5) in our paper represent a concise and compact description of the experimental data. The matrices do not represent our theory or modeling of the data. It is the "raw" data of the experiments. Dr. V. Dmitriev has predicted reciprocal behavior for the forward and reverse transmissions for Case III in our experiment; i.e., S_{12} is equal to S_{21} (please refer to (10) in Dr. Dmitriev's comments). However, Dr. Dmitriev's theory is in direct contradiction with our experimental data as shown in Fig. 8(a) on page 657 of our paper.

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