

Abstracts

Constructive Coupling in Directional Couplers (Correspondence)

J.W. Gewartowski and C.B. Swan. "Constructive Coupling in Directional Couplers (Correspondence)." 1967 Transactions on Microwave Theory and Techniques 15.2 (Feb. 1967 [T-MTT]): 134-134.

During the course of some diagnostic studies of varactor harmonic generators, we discovered a surprising result using the experimental setup shown in Fig. 1. A signal source is connected through an isolator to port 1 of a 10-dB directional coupler, with the output load connected to port 4 through a slide-screw tuner. Port 2 is internally terminated, and port 3 has connected to it a slide-screw tuner and termination.

[Return to main document.](#)