

Abstracts

A Time-Domain Technique for Characterizing Leaky Coaxial Cables

M.F. Iskander and M.A.K. Hamid. "A Time-Domain Technique for Characterizing Leaky Coaxial Cables." 1977 MTT-S International Microwave Symposium Digest 77.1 (1977 [MWSYM]): 151-154.

A time-domain technique for the measurement of return loss, attenuation and coupling loss of leaky coaxial cables is described. The technique is based on a simple signal flow graph procedure where the leaky cable is represented by a three-port network, with the third port being introduced to represent the leakage from the cable. The measurement procedure is described, while experimental results for three different leaky coaxial cables are presented and compared with frequency-domain data.

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