

Abstracts

Holographic Imaging of Microwave Propagation

H. Kitayoshi, B. Rossiter, A. Kitai, H. Ashida and M. Hirose. "Holographic Imaging of Microwave Propagation." 1993 MTT-S International Microwave Symposium Digest 93.1 (1993 Vol. I [MWSYM]): 241-244.

A comparatively small plane scanning antenna and a general-purpose microwave spectrum analyzer were used to record two-tone continuous-wave holograms. Phase differences in the reconstructed holograms and the amplitude data on images extracted from these holograms enabled highly sensitive three-dimensional high-resolution electromagnetic wave propagation imaging and holographic radar imaging.

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