

# Abstracts

## Space Wave Leakage from Higher Order Modes on Various Planar Transmission Line Structures

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Z. Ma and E. Yamashita. "Space Wave Leakage from Higher Order Modes on Various Planar Transmission Line Structures." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 1033-1036.

The existence of space wave leakage from higher order modes on various planar transmission line structures is demonstrated by numerical results based on a rigorous mode-matching method. Transition characteristics between the bound-wave and leaky-wave regions of the higher order modes are illustrated and discussed for the first time. The leaky modes on the offset groove-guide structures and those on the planar transmission structures are compared.

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