

Abstracts

A broadband microstrip-to-waveguide transition using quasi-Yagi antenna

N. Kaneda, Yongxi Qian and T. Itoh. "A broadband microstrip-to-waveguide transition using quasi-Yagi antenna." 1999 MTT-S International Microwave Symposium Digest 99.4 (1999 Vol. IV [MWSYM]): 1431-1434 vol.4.

A novel microstrip-to-waveguide transition utilizing a coplanar strips Yagi-like antenna is presented. The X-band transition demonstrates about 40% bandwidth with return loss better than -12 dB. This transition should find wide applications due to its high compatibility with MIC/MMIC technology at very low fabrication cost.

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